TRIMATRIX
LABORATORIES

SECTION - F

GC/MS VOLATILE ORGANICS

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The quality control batch(s), associated with the following samples and analyses, do not contain an MS/MSD or MS/DUP because client specific matrix QC was not requested. An LCS and LCSD were analyzed as the measure of batch precision and accuracy.

Analysis: USEPA-8260B

Sample/Analyte:
1205226-01 106091
1205226-02 106191
1205358-01 1060SL

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was less than 5 times the MB value, is considered estimated.

Analysis: USEPA-8260B

Sample/Analyte:		
1205226-01	106091	Methyl Acetate
1205226-02	106191	Methyl Acetate
1205358-01	1060SL	Methyl Acetate

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM050712

USEPA-8260B

SAMPLE ID SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

Client Sample Id:	Lab Sample Id:
106091	1205226-01
106191	1205226-02
1060SL	1205358-01
106RCT	1205374-01

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2E22019

SDG: KNM050712
Project: KNM
Calibration: 2E22009
Instrument: 224

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
LCS (1206463-BS1)		**Lab File ID: CCV0521.D**		**Analyzed: 05/21/12 08:16**			
Dibromofluoromethane	5.50	5.50	0.00	+/-0.5	101	85 - 118	
1,2-Dichloroethane-d4	6.04	6.04	0.00	+/-0.5	97	87 - 122	
Toluene-d8	8.91	8.91	0.00	+/-0.5	100	85 - 113	
4-Bromofluorobenzene	12.30	12.30	0.00	+/-0.5	101	82 - 110	
Calibration Check (2E22019-CCV1)		**Lab File ID: CCV0521.D**		**Analyzed: 05/21/12 08:16**			
Dibromofluoromethane	5.50	5.50	0.00	+/-0.5	101	75 - 125	
1,2-Dichloroethane-d4	6.04	6.04	0.00	+/-0.5	97	75 - 125	
Toluene-d8	8.91	8.91	0.00	+/-0.5	100	75 - 125	
4-Bromofluorobenzene	12.30	12.30	0.00	+/-0.5	101	75 - 125	
LCS Dup (1206463-BSD1)		**Lab File ID: BS0521.D**		**Analyzed: 05/21/12 08:44**			
Dibromofluoromethane	5.50	5.50	0.00	+/-0.5	101	85 - 118	
1,2-Dichloroethane-d4	6.04	6.04	0.00	+/-0.5	97	87 - 122	
Toluene-d8	8.91	8.91	0.00	+/-0.5	101	85 - 113	
4-Bromofluorobenzene	12.30	12.30	0.00	+/-0.5	100	82 - 110	
Blank (1206463-BLK1)		**Lab File ID: BLK0521.D**		**Analyzed: 05/21/12 09:39**			
Dibromofluoromethane	5.49	5.50	-0.01	+/-0.5	100	85 - 118	
1,2-Dichloroethane-d4	6.04	6.04	0.00	+/-0.5	98	87 - 122	
Toluene-d8	8.91	8.91	0.00	+/-0.5	99	85 - 113	
4-Bromofluorobenzene	12.30	12.30	0.00	+/-0.5	98	82 - 110	
106091 (1205226-01)		**Lab File ID: 1205226-01.D**		**Analyzed: 05/21/12 10:07**			
Dibromofluoromethane	5.49	5.50	-0.01	+/-0.5	98	85 - 118	
1,2-Dichloroethane-d4	6.04	6.04	0.00	+/-0.5	97	87 - 122	
Toluene-d8	8.91	8.91	0.00	+/-0.5	100	85 - 113	
4-Bromofluorobenzene	12.30	12.30	0.00	+/-0.5	101	82 - 110	
106191 (1205226-02)		**Lab File ID: 1205226-02.D**		**Analyzed: 05/21/12 10:34**			
Dibromofluoromethane	5.49	5.50	-0.01	+/-0.5	98	85 - 118	
1,2-Dichloroethane-d4	6.04	6.04	0.00	+/-0.5	97	87 - 122	
Toluene-d8	8.91	8.91	0.00	+/-0.5	100	85 - 113	
4-Bromofluorobenzene	12.30	12.30	0.00	+/-0.5	101	82 - 110	
1060SL (1205358-01)		**Lab File ID: 1205358-01.D**		**Analyzed: 05/21/12 11:02**			
Dibromofluoromethane	5.49	5.50	-0.01	+/-0.5	99	85 - 118	
1,2-Dichloroethane-d4	6.04	6.04	0.00	+/-0.5	97	87 - 122	
Toluene-d8	8.91	8.91	0.00	+/-0.5	99	85 - 113	
4-Bromofluorobenzene	12.30	12.30	0.00	+/-0.5	99	82 - 110	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2F04013

SDG: KNM050712
Project: KNM
Calibration: 2E25004
Instrument: 328

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
LCS (1206965-BS1)		**Lab File ID: CCV0531A.D**		**Analyzed: 05/31/12 08:04**			
Dibromofluoromethane	4.65	4.66	-0.01	+/-0.5	94	85 - 118	
1,2-Dichloroethane-d4	5.25	5.26	-0.01	+/-0.5	92	87 - 122	
Toluene-d8	8.34	8.34	-0.01	+/-0.5	101	85 - 113	
4-Bromofluorobenzene	11.83	11.84	-0.01	+/-0.5	99	82 - 110	
Calibration Check (2F04013-CCV1)		**Lab File ID: CCV0531A.D**		**Analyzed: 05/31/12 08:04**			
Dibromofluoromethane	4.65	4.66	-0.01	+/-0.5	94	75 - 125	
1,2-Dichloroethane-d4	5.25	5.26	-0.01	+/-0.5	92	75 - 125	
Toluene-d8	8.34	8.34	-0.01	+/-0.5	101	75 - 125	
4-Bromofluorobenzene	11.83	11.84	-0.01	+/-0.5	99	75 - 125	
LCS Dup (1206965-BSD1)		**Lab File ID: BS0531A.D**		**Analyzed: 05/31/12 08:31**			
Dibromofluoromethane	4.65	4.66	-0.01	+/-0.5	95	85 - 118	
1,2-Dichloroethane-d4	5.24	5.26	-0.01	+/-0.5	91	87 - 122	
Toluene-d8	8.34	8.34	-0.01	+/-0.5	100	85 - 113	
4-Bromofluorobenzene	11.83	11.84	-0.01	+/-0.5	99	82 - 110	
Blank (1206965-BLK1)		**Lab File ID: BLK0531AA.D**		**Analyzed: 05/31/12 09:54**			
Dibromofluoromethane	4.64	4.66	-0.02	+/-0.5	94	85 - 118	
1,2-Dichloroethane-d4	5.24	5.26	-0.01	+/-0.5	92	87 - 122	
Toluene-d8	8.34	8.34	-0.01	+/-0.5	96	85 - 113	
4-Bromofluorobenzene	11.83	11.84	-0.01	+/-0.5	97	82 - 110	
106RCT (1205374-01)		**Lab File ID: 1205374-01.D**		**Analyzed: 05/31/12 10:22**			
Dibromofluoromethane	4.64	4.66	-0.02	+/-0.5	96	85 - 118	
1,2-Dichloroethane-d4	5.24	5.26	-0.01	+/-0.5	92	87 - 122	
Toluene-d8	8.34	8.34	-0.01	+/-0.5	97	85 - 113	
4-Bromofluorobenzene	11.83	11.84	-0.01	+/-0.5	97	82 - 110	

LCS / LCS DUPLICATE RECOVERY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
QC Batch: 1206463

SDG: KNM050712
Project: KNM
Laboratory ID: 1206463-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL
Sequence: 2E22019

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	41.5	104	84 - 119	ug/L
Chlorobenzene	40.0	41.0	103	84 - 118	ug/L
1,1-Dichloroethene	40.0	41.9	105	77 - 123	ug/L
Toluene	40.0	41.4	103	85 - 118	ug/L
Trichloroethene	40.0	41.5	104	82 - 119	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206463-BSD1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1206463
Sequence: 2E22019

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Benzene	40.0	42.4	106	2	20	84 - 119	ug/L
Chlorobenzene	40.0	41.6	104	1	20	84 - 118	ug/L
1,1-Dichloroethene	40.0	43.3	108	3	20	77 - 123	ug/L
Toluene	40.0	42.4	106	2	20	85 - 118	ug/L
Trichloroethene	40.0	42.2	105	2	20	82 - 119	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206965-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1206965
Sequence: 2F04013

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	42.2	106	84 - 119	ug/L
Chlorobenzene	40.0	39.6	99	84 - 118	ug/L
1,1-Dichloroethene	40.0	41.5	104	77 - 123	ug/L
Toluene	40.0	41.6	104	85 - 118	ug/L
Trichloroethene	40.0	41.4	103	82 - 119	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206965-BSD1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1206965
Sequence: 2F04013

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Benzene	40.0	41.5	104	2	20	84 - 119	ug/L
Chlorobenzene	40.0	39.1	98	1	20	84 - 118	ug/L
1,1-Dichloroethene	40.0	40.2	100	3	20	77 - 123	ug/L
Toluene	40.0	40.8	102	2	20	85 - 118	ug/L
Trichloroethene	40.0	40.6	101	2	20	82 - 119	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206463-BLK1 File ID: BLK0521.D

Prepared: 05/21/12 07:00 Analyzed: 05/21/12 09:39

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206463 Sequence: 2E22019 Calibration: 2E22009 Instrument: 224

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
67-64-1	Acetone	5.0	ug/L	1.1	5.0	U
71-43-2	Benzene	1.0	ug/L	0.11	1.0	U
75-27-4	Bromodichloromethane	1.0	ug/L	0.13	1.0	U
75-25-2	Bromoform	1.0	ug/L	0.26	1.0	U
74-83-9	Bromomethane	1.0	ug/L	0.21	1.0	U
75-15-0	Carbon Disulfide	5.0	ug/L	0.23	5.0	U
56-23-5	Carbon Tetrachloride	1.0	ug/L	0.26	1.0	U
108-90-7	Chlorobenzene	1.0	ug/L	0.17	1.0	U
75-00-3	Chloroethane	1.0	ug/L	0.14	1.0	U
67-66-3	Chloroform	1.0	ug/L	0.098	1.0	U
74-87-3	Chloromethane	1.0	ug/L	0.29	1.0	U
110-82-7	Cyclohexane	5.0	ug/L	0.18	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/L	0.13	1.0	U
124-48-1	Dibromochloromethane	1.0	ug/L	0.15	1.0	U
106-93-4	1,2-Dibromoethane	1.0	ug/L	0.15	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	ug/L	0.24	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	ug/L	0.24	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	ug/L	0.25	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	ug/L	0.21	1.0	U
75-34-3	1,1-Dichloroethane	1.0	ug/L	0.18	1.0	U
107-06-2	1,2-Dichloroethane	1.0	ug/L	0.21	1.0	U
75-35-4	1,1-Dichloroethene	1.0	ug/L	0.21	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	0.12	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	0.20	1.0	U
78-87-5	1,2-Dichloropropane	1.0	ug/L	0.28	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	0.19	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	0.19	1.0	U
100-41-4	Ethylbenzene	1.0	ug/L	0.21	1.0	U
591-78-6	2-Hexanone	5.0	ug/L	0.49	5.0	U
98-82-8	Isopropylbenzene	1.0	ug/L	0.22	1.0	U
79-20-9	Methyl Acetate	0.96	ug/L	0.42	5.0	J
1634-04-4	Methyl tert-Butyl Ether	1.0	ug/L	0.19	1.0	U
108-87-2	Methylcyclohexane	5.0	ug/L	0.37	5.0	U
75-09-2	Methylene Chloride	1.9	ug/L	0.24	1.0	
78-93-3	2-Butanone (MEK)	5.0	ug/L	0.63	5.0	U

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206463-BLK1 File ID: BLK0521.D

Prepared: 05/21/12 07:00 Analyzed: 05/21/12 09:39

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206463 Sequence: 2E22019 Calibration: 2E22009 Instrument: 224

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	0.40	5.0	U
100-42-5	Styrene	1.0	ug/L	0.20	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	0.26	1.0	U
127-18-4	Tetrachloroethene	1.0	ug/L	0.23	1.0	U
108-88-3	Toluene	1.0	ug/L	0.18	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	ug/L	0.13	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	ug/L	0.14	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	ug/L	0.20	1.0	U
79-01-6	Trichloroethene	1.0	ug/L	0.21	1.0	U
75-69-4	Trichlorofluoromethane	1.0	ug/L	0.27	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	ug/L	0.24	1.0	U
75-01-4	Vinyl Chloride	1.0	ug/L	0.21	1.0	U
1330-20-7	Xylene (Total)	3.0	ug/L	0.39	3.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	39.8	100	85 - 118	
1,2-Dichloroethane-d4	40.0	39.0	98	87 - 122	
Toluene-d8	40.0	39.5	99	85 - 113	
4-Bromofluorobenzene	40.0	39.2	98	82 - 110	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	827318	6.6	825179	6.6	
Chlorobenzene-d5	621546	10.8	622853	10.79	
1,4-Dichlorobenzene-d4	325751	13.75	337935	13.74	

QC BATCH SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
QC Batch: 1206463
QC Batch Matrix: Water
Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
106091	1205226-01	05/21/12 07:00	
106191	1205226-02	05/21/12 07:00	
1060SL	1205358-01	05/21/12 07:00	
Blank	1206463-BLK1	05/21/12 07:00	
LCS	1206463-BS1	05/21/12 07:00	
LCS Dup	1206463-BSD1	05/21/12 07:00	

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206965-BLK1 File ID: BLK0531AA.D

Prepared: 05/31/12 07:00 Analyzed: 05/31/12 09:54

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206965 Sequence: 2F04013 Calibration: 2E25004 Instrument: 328

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
67-64-1	Acetone	5.0	ug/L	1.1	5.0	U
71-43-2	Benzene	1.0	ug/L	0.11	1.0	U
75-27-4	Bromodichloromethane	1.0	ug/L	0.13	1.0	U
75-25-2	Bromoform	1.0	ug/L	0.26	1.0	U
74-83-9	Bromomethane	1.0	ug/L	0.21	1.0	U
75-15-0	Carbon Disulfide	5.0	ug/L	0.23	5.0	U
56-23-5	Carbon Tetrachloride	1.0	ug/L	0.26	1.0	U
108-90-7	Chlorobenzene	1.0	ug/L	0.17	1.0	U
75-00-3	Chloroethane	1.0	ug/L	0.14	1.0	U
67-66-3	Chloroform	1.0	ug/L	0.098	1.0	U
74-87-3	Chloromethane	1.0	ug/L	0.29	1.0	U
110-82-7	Cyclohexane	5.0	ug/L	0.18	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/L	0.13	1.0	U
124-48-1	Dibromochloromethane	1.0	ug/L	0.15	1.0	U
106-93-4	1,2-Dibromoethane	1.0	ug/L	0.15	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	ug/L	0.24	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	ug/L	0.24	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	ug/L	0.25	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	ug/L	0.21	1.0	U
75-34-3	1,1-Dichloroethane	1.0	ug/L	0.18	1.0	U
107-06-2	1,2-Dichloroethane	1.0	ug/L	0.21	1.0	U
75-35-4	1,1-Dichloroethene	1.0	ug/L	0.21	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	0.12	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	0.20	1.0	U
78-87-5	1,2-Dichloropropane	1.0	ug/L	0.28	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	0.19	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	0.19	1.0	U
100-41-4	Ethylbenzene	1.0	ug/L	0.21	1.0	U
591-78-6	2-Hexanone	5.0	ug/L	0.49	5.0	U
98-82-8	Isopropylbenzene	1.0	ug/L	0.22	1.0	U
79-20-9	Methyl Acetate	5.0	ug/L	0.42	5.0	U
1634-04-4	Methyl tert-Butyl Ether	1.0	ug/L	0.19	1.0	U
108-87-2	Methylcyclohexane	5.0	ug/L	0.37	5.0	U
75-09-2	Methylene Chloride	1.0	ug/L	0.24	1.0	U
78-93-3	2-Butanone (MEK)	5.0	ug/L	0.63	5.0	U

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206965-BLK1 File ID: BLK0531AA.D

Prepared: 05/31/12 07:00 Analyzed: 05/31/12 09:54

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206965 Sequence: 2F04013 Calibration: 2E25004 Instrument: 328

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	0.40	5.0	U
100-42-5	Styrene	1.0	ug/L	0.20	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	0.26	1.0	U
127-18-4	Tetrachloroethene	1.0	ug/L	0.23	1.0	U
108-88-3	Toluene	1.0	ug/L	0.18	1.0	U
120-82-1	1,2,4-Trichlorobenzene	2.1	ug/L	0.13	1.0	
71-55-6	1,1,1-Trichloroethane	1.0	ug/L	0.14	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	ug/L	0.20	1.0	U
79-01-6	Trichloroethene	1.0	ug/L	0.21	1.0	U
75-69-4	Trichlorofluoromethane	1.0	ug/L	0.27	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	ug/L	0.24	1.0	U
75-01-4	Vinyl Chloride	1.0	ug/L	0.21	1.0	U
1330-20-7	Xylene (Total)	3.0	ug/L	0.39	3.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	37.6	94	85 - 118	
1,2-Dichloroethane-d4	40.0	36.9	92	87 - 122	
Toluene-d8	40.0	38.6	96	85 - 113	
4-Bromofluorobenzene	40.0	38.7	97	82 - 110	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	1615907	5.86	1251709	5.872	
Chlorobenzene-d5	1266757	10.28	977526	10.292	
1,4-Dichlorobenzene-d4	687850	13.285	588837	13.292	

QC BATCH SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206965 QC Batch Matrix: Water

Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
106RCT	1205374-01	05/31/12 07:00	
Blank	1206965-BLK1	05/31/12 07:00	
LCS	1206965-BS1	05/31/12 07:00	
LCS Dup	1206965-BSD1	05/31/12 07:00	

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Lab Sample ID: 2E22014-TUN1
Injection Date: 05/18/12
Sequence: 2E22014

SDG: KNM050712
Project: KNM
Lab File ID: BFB0518.D
Injection Time: 08:23
Calibration: 2E22009
Instrument ID: 224

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	18.2	PASS
75	30 - 60% of 95	46.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.61	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	97.6	PASS
175	5 - 9% of 174	7.22	PASS
176	95 - 101% of 174	98.4	PASS
177	5 - 9% of 176	6.52	PASS

INITIAL CALIBRATION STANDARDS
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E22014

SDG: KNM050712
Project: KNM
Calibration: 2E22009
Instrument: 224

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2031374	8260 Tune Working Standard 03-29-12	2E22014-TUN1	BFB0518.D	05/18/12 08:23
2041196	1 UG/L B	2E22014-CAL1	1P0518.D	05/18/12 11:42
2041198	10 UG/L B	2E22014-CAL3	10P0518.D	05/18/12 12:40
2041197	5 UG/L B	2E22014-CAL2	5P0518A.D	05/18/12 13:08
2041199	20 UG/L B	2E22014-CAL4	20P0518.D	05/18/12 13:35
2041200	40 UG/L B	2E22014-CAL5	40P0518.D	05/18/12 14:03
2041201	100 UG/L B	2E22014-CAL6	100P0518.D	05/18/12 14:31
2041318	200 UG/L B	2E22014-CAL7	200P0518.D	05/18/12 15:26
2041016	40 UG/L A	2E22014-SCV1	SCV0518.D	05/18/12 16:22

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2E22019-TUN1
Lab File ID: BFB0521.D
Injection Date: 05/21/12
Injection Time: 07:49
Sequence: 2E22019
Instrument ID: 224

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	18.2	PASS
75	30 - 60% of 95	47.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.49	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	97.8	PASS
175	5 - 9% of 174	7.52	PASS
176	95 - 101% of 174	97.2	PASS
177	5 - 9% of 176	6.66	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E22019

SDG: KNM050712
Project: KNM
Calibration: 2E22009
Instrument: 224

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E22019-TUN1	BFB0521.D	05/21/12 07:49
Calibration Check	2E22019-CCV1	CCV0521.D	05/21/12 08:16
LCS	1206463-BS1	CCV0521.D	05/21/12 08:16
LCS Dup	1206463-BSD1	BS0521.D	05/21/12 08:44
Blank	1206463-BLK1	BLK0521.D	05/21/12 09:39
106091	1205226-01	1205226-01.D	05/21/12 10:07
106191	1205226-02	1205226-02.D	05/21/12 10:34
1060SL	1205358-01	1205358-01.D	05/21/12 11:02

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Lab Sample ID: 2E25022-TUN1
Injection Date: 05/24/12
Sequence: 2E25022

SDG: KNM050712
Project: KNM
Lab File ID: BFB0524.D
Injection Time: 07:50
Calibration: 2E25004
Instrument ID: 328

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	17	PASS
75	30 - 60% of 95	48	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.48	PASS
173	Less than 2% of 174	0.658	PASS
174	50 - 100% of 95	95.3	PASS
175	5 - 9% of 174	6.81	PASS
176	95 - 101% of 174	95.4	PASS
177	5 - 9% of 176	6.42	PASS

INITIAL CALIBRATION STANDARDS

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E25022

SDG: KNM050712

Project: KNM

Calibration: 2E25004

Instrument: 328

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2031374	8260 Tune Working Standard 03-29-12	2E25022-TUN1	BFB0524.D	05/24/12 07:50
2051221	1 UG/L A	2E25022-CAL1	1P0524.D	05/24/12 11:03
2051229	5.0 UG/L A	2E25022-CAL2	5P0524.D	05/24/12 11:30
2051230	10 UG/L A	2E25022-CAL3	10P0524.D	05/24/12 11:58
2051231	20 UG/L A	2E25022-CAL4	20P0524.D	05/24/12 12:26
2051232	40 UG/L A	2E25022-CAL5	40P0524.D	05/24/12 12:54
2051234	100 UG/L A	2E25022-CAL6	100P0524.D	05/24/12 13:22
2051235	200 UG/L A	2E25022-CAL7	200P0524.D	05/24/12 14:17
2051226	40 UG/L B	2E25022-SCV1	SCV0524.D	05/24/12 15:13

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2F04013-TUN1
Lab File ID: BFB0531.D
Injection Date: 05/31/12
Injection Time: 07:08
Sequence: 2F04013
Instrument ID: 328

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	17	PASS
75	30 - 60% of 95	46.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.79	PASS
173	Less than 2% of 174	0.518	PASS
174	50 - 100% of 95	88.4	PASS
175	5 - 9% of 174	6.83	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 9% of 176	6.66	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2F04013

SDG: KNM050712
Project: KNM
Calibration: 2E25004
Instrument: 328

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2F04013-TUN1	BFB0531.D	05/31/12 07:08
Calibration Check	2F04013-CCV1	CCV0531A.D	05/31/12 08:04
LCS	1206965-BS1	CCV0531A.D	05/31/12 08:04
LCS Dup	1206965-BSD1	BS0531A.D	05/31/12 08:31
Blank	1206965-BLK1	BLK0531AA.D	05/31/12 09:54
106RCT	1205374-01	1205374-01.D	05/31/12 10:22

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2E22019

SDG: KNM050712
Project: KNM
Calibration: 2E22009
Instrument: 224

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (1206463-BS1)			**Lab File ID:**	**CCV0521.D**		**Analyzed:**	**05/21/12 08:16**		
Fluorobenzene	839610	6.6	825179	6.6	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	636359	10.8	622853	10.79	102	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	343986	13.75	337935	13.74	102	50 - 200	0.0100	+/-0.50	
Calibration Check (2E22019-CCV1)			**Lab File ID:**	**CCV0521.D**		**Analyzed:**	**05/21/12 08:16**		
Fluorobenzene	839610	6.6	825179	6.6	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	636359	10.8	622853	10.79	102	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	343986	13.75	337935	13.74	102	50 - 200	0.0100	+/-0.50	
LCS Dup (1206463-BSD1)			**Lab File ID:**	**BS0521.D**		**Analyzed:**	**05/21/12 08:44**		
Fluorobenzene	834244	6.6	825179	6.6	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	635252	10.8	622853	10.79	102	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	343979	13.74	337935	13.74	102	50 - 200	0.0000	+/-0.50	
Blank (1206463-BLK1)			**Lab File ID:**	**BLK0521.D**		**Analyzed:**	**05/21/12 09:39**		
Fluorobenzene	827318	6.6	825179	6.6	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	621546	10.8	622853	10.79	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	325751	13.75	337935	13.74	96	50 - 200	0.0100	+/-0.50	
106091 (1205226-01)			**Lab File ID:**	**1205226-01.D**		**Analyzed:**	**05/21/12 10:07**		
Fluorobenzene	814908	6.6	825179	6.6	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	625700	10.8	622853	10.79	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	330070	13.74	337935	13.74	98	50 - 200	0.0000	+/-0.50	
106191 (1205226-02)			**Lab File ID:**	**1205226-02.D**		**Analyzed:**	**05/21/12 10:34**		
Fluorobenzene	828291	6.6	825179	6.6	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	629191	10.8	622853	10.79	101	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	332104	13.74	337935	13.74	98	50 - 200	0.0000	+/-0.50	
1060SL (1205358-01)			**Lab File ID:**	**1205358-01.D**		**Analyzed:**	**05/21/12 11:02**		
Fluorobenzene	802234	6.6	825179	6.6	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	603132	10.8	622853	10.79	97	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	313856	13.74	337935	13.74	93	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2F04013

SDG: KNM050712
Project: KNM
Calibration: 2E25004
Instrument: 328

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (1206965-BS1)			**Lab File ID:**	**CCV0531A.D**		**Analyzed:**	**05/31/12 08:04**		
Fluorobenzene	1780222	5.86	1251709	5.872	142	50 - 200	-0.0120	+/-0.50	
Chlorobenzene-d5	1413983	10.28	977526	10.292	145	50 - 200	-0.0120	+/-0.50	
1,4-Dichlorobenzene-d4	800337	13.28	588837	13.292	136	50 - 200	-0.0120	+/-0.50	
Calibration Check (2F04013-CCV1)			**Lab File ID:**	**CCV0531A.D**		**Analyzed:**	**05/31/12 08:04**		
Fluorobenzene	1780222	5.86	1251709	5.872	142	50 - 200	-0.0120	+/-0.50	
Chlorobenzene-d5	1413983	10.28	977526	10.292	145	50 - 200	-0.0120	+/-0.50	
1,4-Dichlorobenzene-d4	800337	13.28	588837	13.292	136	50 - 200	-0.0120	+/-0.50	
LCS Dup (1206965-BSD1)			**Lab File ID:**	**BS0531A.D**		**Analyzed:**	**05/31/12 08:31**		
Fluorobenzene	1740875	5.86	1251709	5.872	139	50 - 200	-0.0120	+/-0.50	
Chlorobenzene-d5	1383058	10.28	977526	10.292	141	50 - 200	-0.0120	+/-0.50	
1,4-Dichlorobenzene-d4	777713	13.279	588837	13.292	132	50 - 200	-0.0130	+/-0.50	
Blank (1206965-BLK1)			**Lab File ID:**	**BLK0531AA.D**		**Analyzed:**	**05/31/12 09:54**		
Fluorobenzene	1615907	5.86	1251709	5.872	129	50 - 200	-0.0120	+/-0.50	
Chlorobenzene-d5	1266757	10.28	977526	10.292	130	50 - 200	-0.0120	+/-0.50	
1,4-Dichlorobenzene-d4	687850	13.285	588837	13.292	117	50 - 200	-0.0070	+/-0.50	
106RCT (1205374-01)			**Lab File ID:**	**1205374-01.D**		**Analyzed:**	**05/31/12 10:22**		
Fluorobenzene	1582742	5.86	1251709	5.872	126	50 - 200	-0.0120	+/-0.50	
Chlorobenzene-d5	1238817	10.28	977526	10.292	127	50 - 200	-0.0120	+/-0.50	
1,4-Dichlorobenzene-d4	672650	13.285	588837	13.292	114	50 - 200	-0.0070	+/-0.50	

HOLDING TIME SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

Method: Volatile Organic Compounds by EPA Method 8260B

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
106091	05/09/12	05/10/12		05/21/12	12	NA	05/21/12	12	14	
106191	05/09/12	05/10/12		05/21/12	12	NA	05/21/12	12	14	
1060SL	05/17/12	05/18/12		05/21/12	4	NA	05/21/12	4	14	
106RCT	05/18/12	05/21/12		05/31/12	13	NA	05/31/12	13	14	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106091

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205226-01 File ID: 1205226-01.D

Sampled: 05/09/12 10:00 Prepared: 05/21/12 07:00 Analyzed: 05/21/12 10:07

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206463 Sequence: 2E22019 Calibration: 2E22009 Instrument: 224

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
67-64-1	Acetone	1	8.2	1.1	5.0	
71-43-2	Benzene	1	1.0	0.11	1.0	U
75-27-4	Bromodichloromethane	1	1.0	0.13	1.0	U
75-25-2	Bromoform	1	1.0	0.26	1.0	U
74-83-9	Bromomethane	1	1.0	0.21	1.0	U
75-15-0	Carbon Disulfide	1	5.0	0.23	5.0	U
56-23-5	Carbon Tetrachloride	1	1.0	0.26	1.0	U
108-90-7	Chlorobenzene	1	1.0	0.17	1.0	U
75-00-3	Chloroethane	1	1.0	0.14	1.0	U
67-66-3	Chloroform	1	1.0	0.098	1.0	U
74-87-3	Chloromethane	1	1.0	0.29	1.0	U
110-82-7	Cyclohexane	1	1.3	0.18	5.0	J
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.13	1.0	U
124-48-1	Dibromochloromethane	1	1.0	0.15	1.0	U
106-93-4	1,2-Dibromoethane	1	1.0	0.15	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	0.24	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	0.24	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	0.25	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	0.21	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	0.18	1.0	U
107-06-2	1,2-Dichloroethane	1	1.7	0.21	1.0	
75-35-4	1,1-Dichloroethene	1	1.0	0.21	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	0.12	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.20	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	0.28	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	0.19	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	0.19	1.0	U
100-41-4	Ethylbenzene	1	1.0	0.21	1.0	U
591-78-6	2-Hexanone	1	5.0	0.49	5.0	U
98-82-8	Isopropylbenzene	1	1.4	0.22	1.0	
79-20-9	Methyl Acetate	1	0.95	0.42	5.0	J
1634-04-4	Methyl tert-Butyl Ether	1	1.0	0.19	1.0	U
108-87-2	Methylcyclohexane	1	5.0	0.37	5.0	U
75-09-2	Methylene Chloride	1	1.0	0.24	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106091

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205226-01 File ID: 1205226-01.D

Sampled: 05/09/12 10:00 Prepared: 05/21/12 07:00 Analyzed: 05/21/12 10:07

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206463 Sequence: 2E22019 Calibration: 2E22009 Instrument: 224

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
78-93-3	2-Butanone (MEK)	1	5.0	0.63	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	5.0	0.40	5.0	U
100-42-5	Styrene	1	1.0	0.20	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	0.26	1.0	U
127-18-4	Tetrachloroethene	1	1.0	0.23	1.0	U
108-88-3	Toluene	1	1.0	0.18	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	0.13	1.0	U
71-55-6	1,1,1-Trichloroethane	1	1.0	0.14	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	0.20	1.0	U
79-01-6	Trichloroethene	1	1.0	0.21	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	0.27	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	0.24	1.0	U
75-01-4	Vinyl Chloride	1	1.0	0.21	1.0	U
1330-20-7	Xylene (Total)	1	3.0	0.39	3.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	39.3	98	85 - 118	
1,2-Dichloroethane-d4	40.0	38.8	97	87 - 122	
Toluene-d8	40.0	40.1	100	85 - 113	
4-Bromofluorobenzene	40.0	40.4	101	82 - 110	

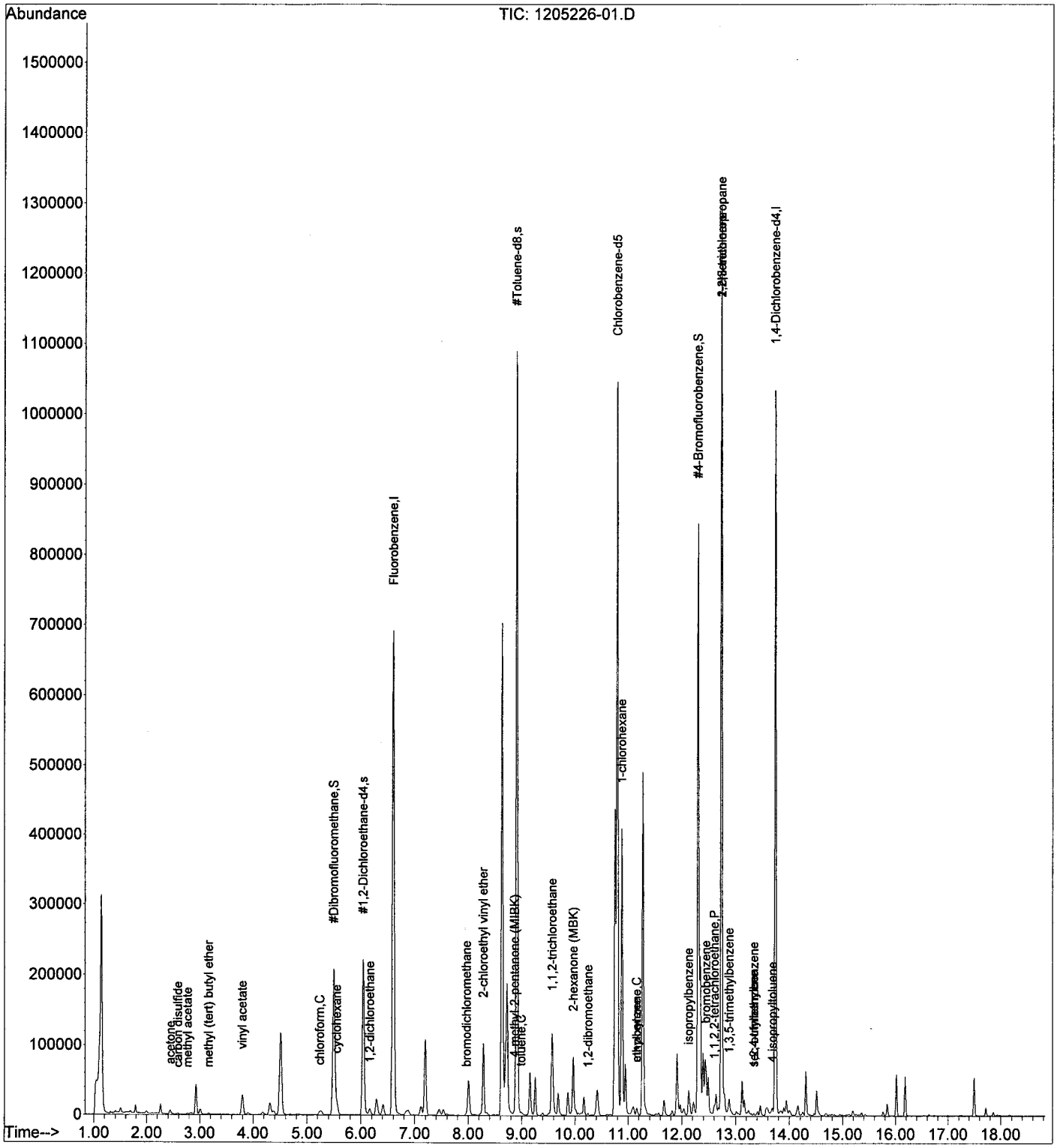
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	814908	6.6	825179	6.6	
Chlorobenzene-d5	625700	10.8	622853	10.79	
1,4-Dichlorobenzene-d4	330070	13.74	337935	13.74	

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : 1205226-01.D
InstName : 224
Acq On : 21 May 2012 10:07 am
Operator : DLV
Sample : 1205226-01
Misc : TL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 21 10:26:14 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration



00592

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : 1205226-01.D
InstName : 224
Acq On : 21 May 2012 10:07 am
Operator : DLV
Sample : 1205226-01
Misc : TL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 21 10:26:14 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	814908	40.00	ug/L	0.00 98.76%
51) Chlorobenzene-d5	10.80	117	625700	40.00	ug/L	0.00 100.46%
66) 1,4-Dichlorobenzene-d4	13.74	152	330070	40.00	ug/L	0.00 97.67%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.49	111	183407	39.33	ug/L	-0.01
Spiked Amount 40.000			Recovery = 98.32%			
37) #1,2-Dichloroethane-d4	6.04	65	200442	38.82	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.05%			
47) #Toluene-d8	8.91	98	812051	40.12	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.30%			
65) #4-Bromofluorobenzene	12.30	95	298096	40.36	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.90%			

Target Compounds						Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.		
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	0.00	62	0	N.D.		
5) bromomethane	0.00	94	0	N.D.		
6) chloroethane	0.00	64	0	N.D.		
7) dichlorofluoromethane	0.00	67	0	N.D.		
8) trichlorofluoromethane	0.00	101	0	N.D.		
9) ethyl ether	0.00	74	0	N.D.		
10) acrolein	0.00	56	0	N.D.		
11) 1,1,2-trichloro-1,2,2-tr	0.00	101	0	N.D.		
12) 1,1-dichloroethene	0.00	96	0	N.D.		
13) acetone	2.44	43	9464	8.19	ug/L	91
14) iodomethane	0.00	142	0	N.D.		
15) carbon disulfide	2.58	76	1883	0.16	ug/L #	75
16) methyl acetate	2.77	43	2575	0.95	ug/L #	61
17) methylene chloride	0.00	49	0	N.D.		
18) acrylonitrile	0.00	53	0	N.D.		
19) trans-1,2-dichloroethene	0.00	96	0	N.D.		
20) methyl (tert) butyl ether	3.17	73	1712	0.19	ug/L #	52
21) 1,1-dichloroethane	0.00	63	0	N.D.		
22) vinyl acetate	3.80	43	1297	4.25	ug/L #	74
23) 2,2-dichloropropane	0.00	77	0	N.D.		
24) cis-1,2-dichloroethene	0.00	96	0	N.D.		
25) 2-butanone (MEK)	0.00	43	0	N.D.		
26) bromochloromethane	0.00	49	0	N.D.		
27) tetrahydrofuran	0.00	71	0	N.D.		
28) chloroform	5.24	83	5136	PS ~~0.73~~	ug/L #	18
30) 1,1,1-trichloroethane	0.00	97	0	N.D.		
31) cyclohexane	5.55	56	10104	1.31	ug/L	98
32) carbon tetrachloride	0.00	117	0	N.D.		
33) 1,1-dichloropropene	0.00	75	0	N.D.		
34) benzene	0.00	78	0	N.D.		
35) 1,2-dichloroethane	6.17	62	8693	1.67	ug/L #	72
36) heptane	6.60	57	26707	No Calib	#	

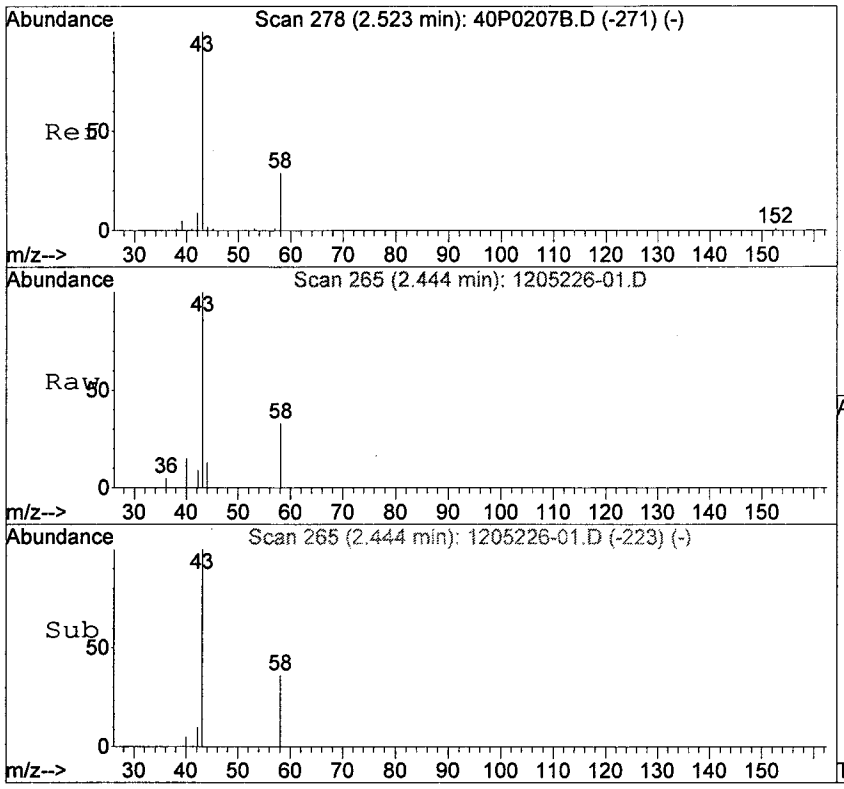
Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : 1205226-01.D
InstName : 224
Acq On : 21 May 2012 10:07 am
Operator : DLV
Sample : 1205226-01
Misc : TL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 21 10:26:14 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	0.00	130	0	N.D.	
39) methylcyclohexane	0.00	83	0	N.D.	
40) 1,2-dichloropropane	0.00	63	0	N.D.	
41) dibromomethane	0.00	93	0	N.D.	
42) 1,4-dioxane	0.00	88	0	N.D.	
43) bromodichloromethane	7.96	83	1292	RT ~~0.26~~ ug/L #	25
44) 2-chloroethyl vinyl ether	8.28	63	1221	0.94 ug/L #	1
45) cis-1,3-dichloropropene	0.00	75	0	N.D.	
46) 4-methyl-2-pentanone (MIBK	8.86	43	2121	RT ~~0.68~~ ug/L #	48
48) toluene	9.00	91	2330	0.12 ug/L	95
49) trans-1,3-dichloropropen	0.00	75	0	N.D.	
50) 1,1,2-trichloroethane	9.58	83	8213	RS ~~3.00~~ ug/L #	1
52) tetrachloroethene	0.00	166	0	N.D.	
53) 1,3-dichloropropane	0.00	76	0	N.D.	
54) 2-hexanone (MBK)	9.97	43	15454	RS ~~10.26~~ ug/L #	31
55) dibromochloromethane	0.00	129	0	N.D.	
56) 1,2-dibromoethane	10.24	109	2818	RT ~~0.93~~ ug/L #	2
57) chlorobenzene	0.00	112	0	N.D.	
58) 1-chlorohexane	10.88	55	134805	31.77 ug/L #	2
59) 1,1,1,2-tetrachloroethan	0.00	131	0	N.D.	
60) ethylbenzene	11.16	91	5530	RT ~~0.26~~ ug/L	73
61) m+p-xylene	11.16	106	2630	0.31 ug/L	88
62) o-xylene	0.00	106	0	N.D.	
63) styrene	0.00	104	0	N.D.	
64) bromoform	0.00	173	0	N.D.	
67) isopropylbenzene	12.13	105	23651	OK ~~1.38~~ ug/L	99
68) bromobenzene	12.45	77	1481	0.20 ug/L #	15
69) 1,1,2,2-tetrachloroethane	12.61	83	9760	RT ~~2.41~~ ug/L #	18
70) 1,2,3-trichloropropane	12.73	110	2751	2.18 ug/L #	1
71) 1,4-dichloro-2-butene	0.00	53	0	N.D.	
72) n-propylbenzene	0.00	120	0	N.D.	
73) 2-chlorotoluene	12.73	126	47007	10.56 ug/L #	1
74) 1,3,5-trimethylbenzene	12.88	105	11246	0.80 ug/L	99
75) 4-chlorotoluene	0.00	126	0	N.D.	
76) tert-butylbenzene	0.00	119	0	N.D.	
77) 1,2,4-trimethylbenzene	13.34	105	2846	0.20 ug/L	98
78) sec-butylbenzene	13.34	105	2846	0.18 ug/L #	54
79) 1,3-dichlorobenzene	0.00	146	0	N.D.	
80) 4-isopropyltoluene	13.69	119	6602	0.48 ug/L	92
81) 1,4-dichlorobenzene	0.00	146	0	N.D.	
82) 1,2-dichlorobenzene	0.00	146	0	N.D.	
83) n-butylbenzene	0.00	91	0	N.D.	
84) hexachloroethane	0.00	201	0	N.D.	
85) 1,2-dibromo-3-chloroprop	0.00	157	0	N.D.	
86) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
87) hexachlorobutadiene	0.00	225	0	N.D.	
88) naphthalene	0.00	128	0	N.D.	
89) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	
90) 2-methylnaphthalene	0.00	142	0	N.D.	

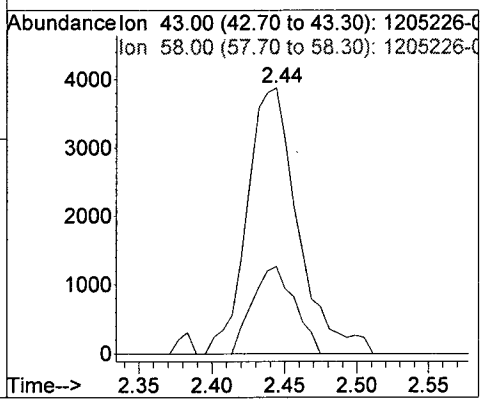
(#) = qualifier out of range (m) = manual integration (+) = signals summed

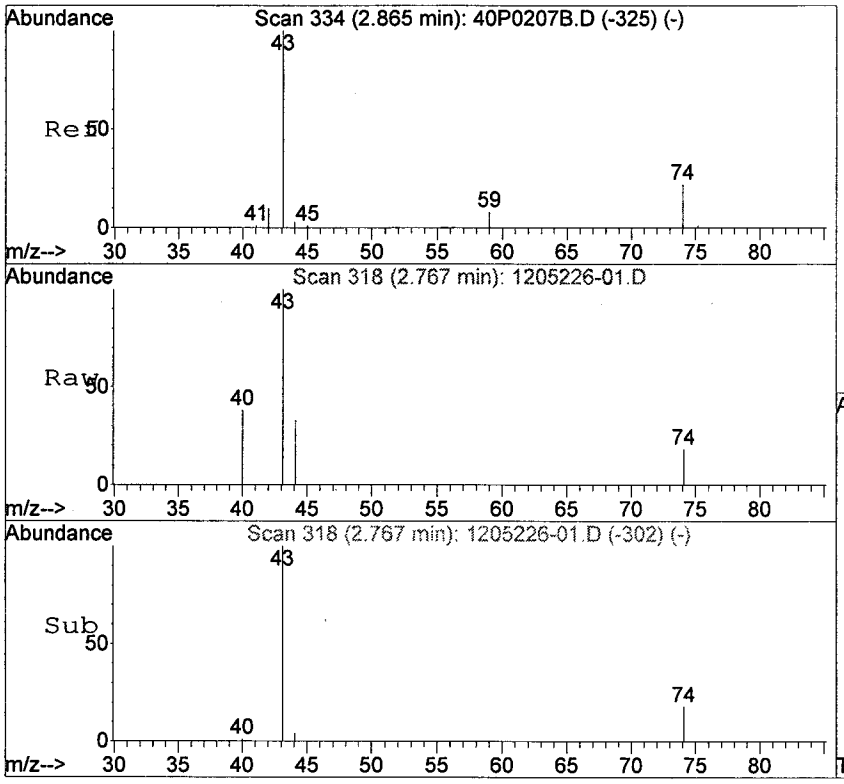


#13
acetone
Concen: 8.19 ug/L
RT: 2.44 min Scan# 265
Delta R.T. 0.01 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion: 43 Resp: 9464

Ion	Ratio	Lower	Upper
43	100		
58	27.2	12.3	52.3

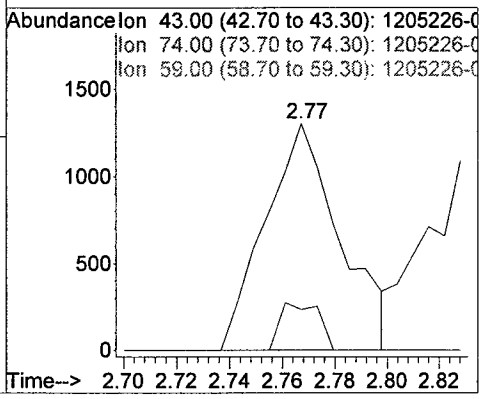


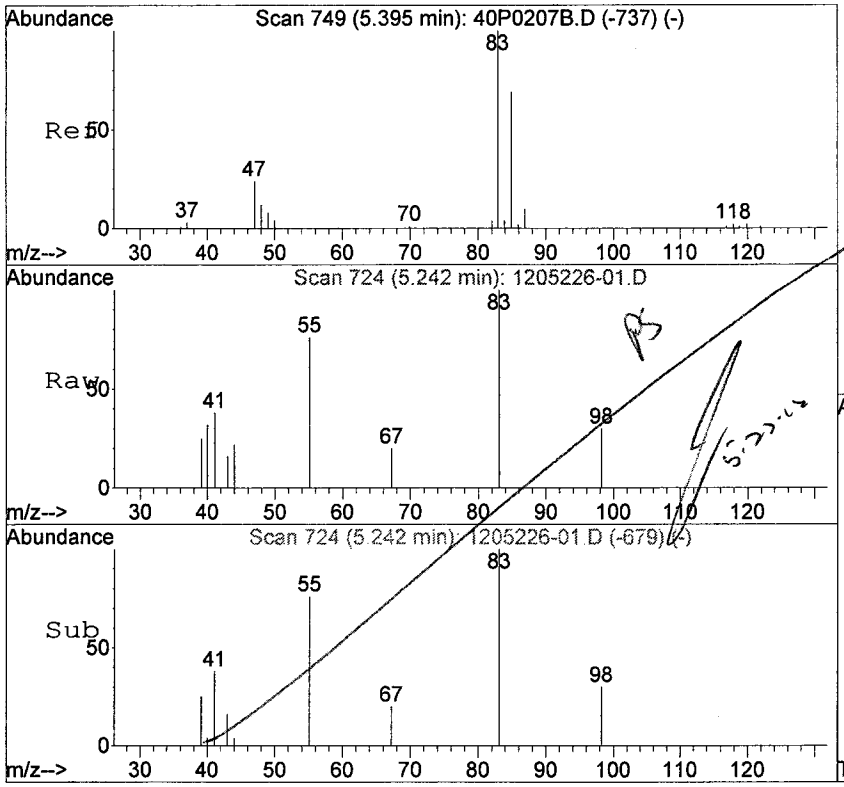


#16
methyl acetate
Concen: 0.95 ug/L
RT: 2.77 min Scan# 318
Delta R.T. 0.00 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion: 43 Resp: 2575

Ion	Ratio	Lower	Upper
43	100		
74	0.0	1.4	41.4#
59	0.0	0.0	27.5

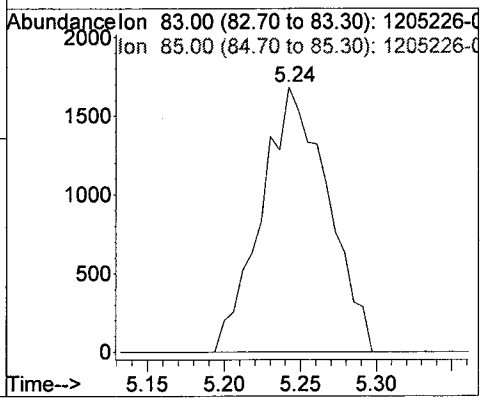


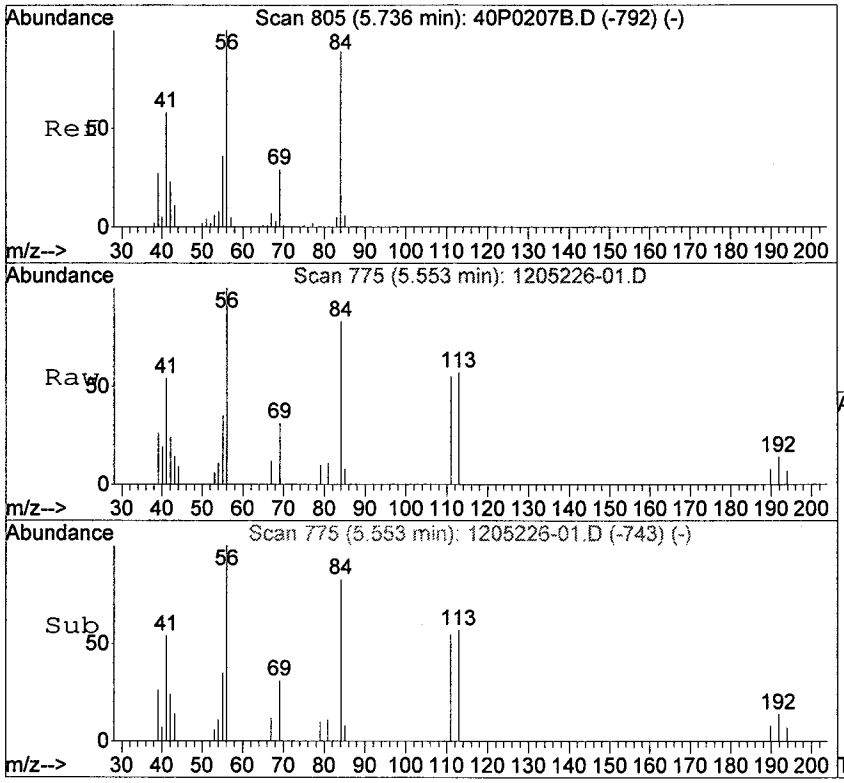


#28
chloroform
Concen: 0.73 ug/L
RT: 5.24 min Scan# 724
Delta R.T. 0.02 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion: 83 Resp: 5136

Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.3	84.3#

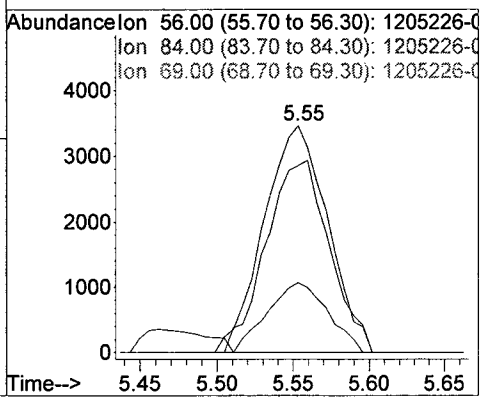


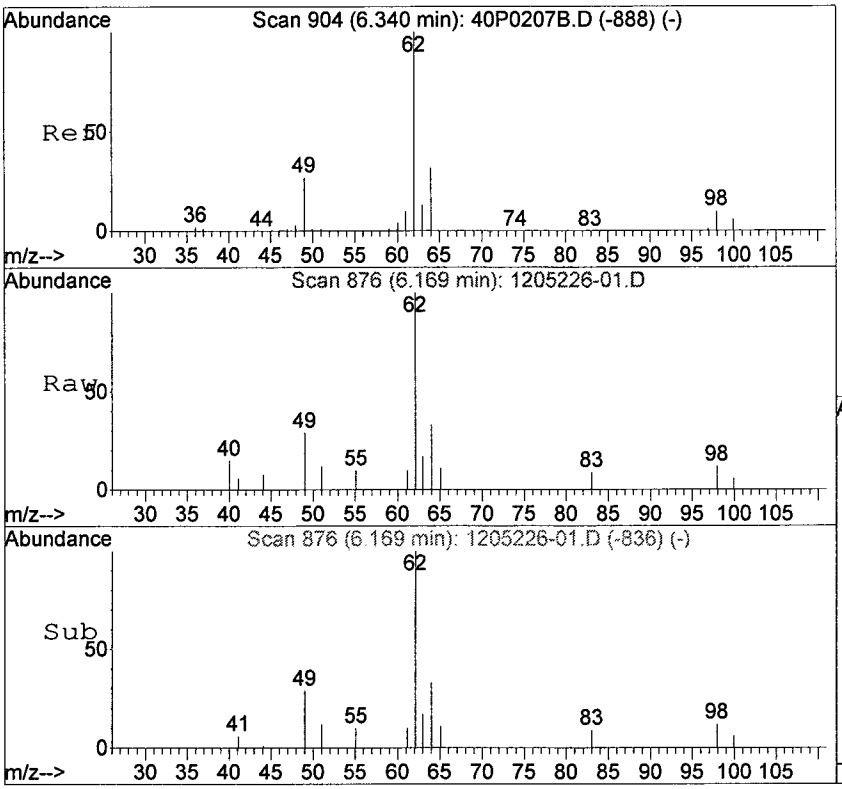


#31
cyclohexane
Concen: 1.31 ug/L
RT: 5.55 min Scan# 775
Delta R.T. -0.01 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion: 56 Resp: 10104

Ion	Ratio	Lower	Upper
56	100		
84	83.9	68.9	103.3
69	29.3	23.8	35.8

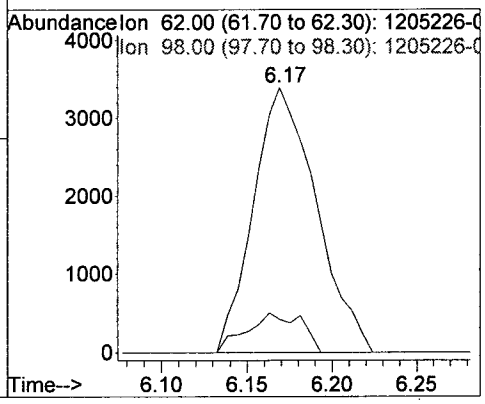


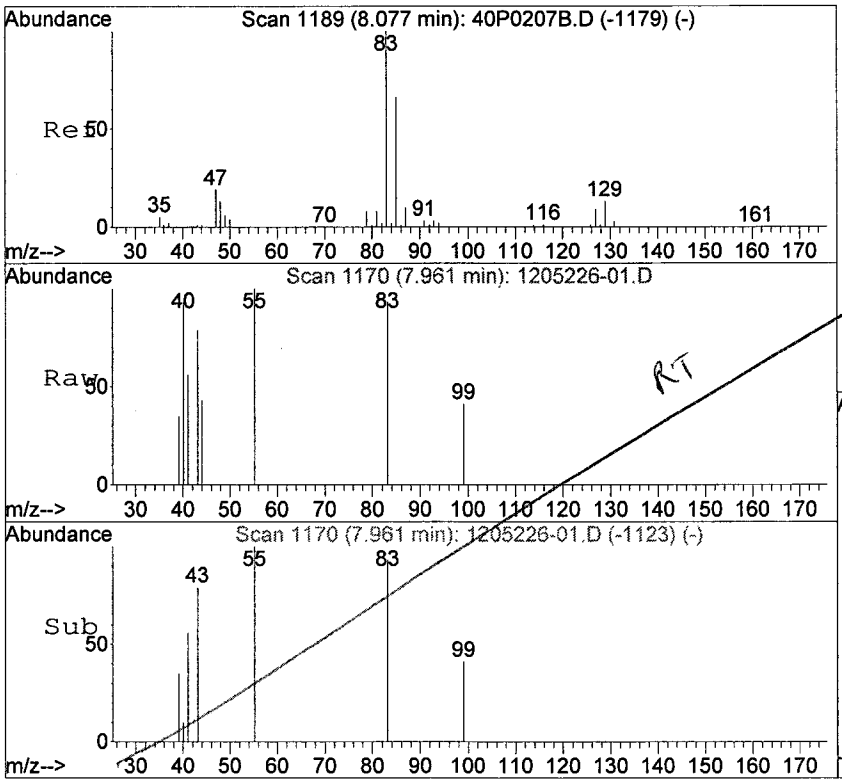


#35
1,2-dichloroethane
Concen: 1.67 ug/L
RT: 6.17 min Scan# 876
Delta R.T. -0.01 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion: 62 Resp: 8693

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	30.4

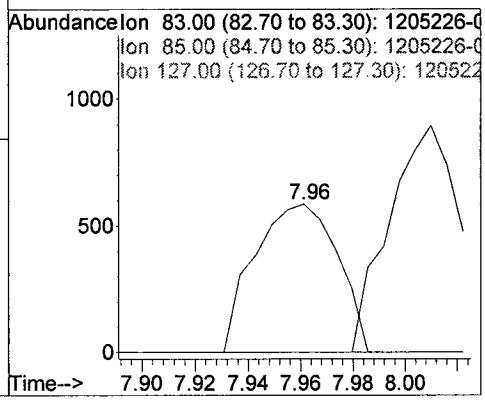




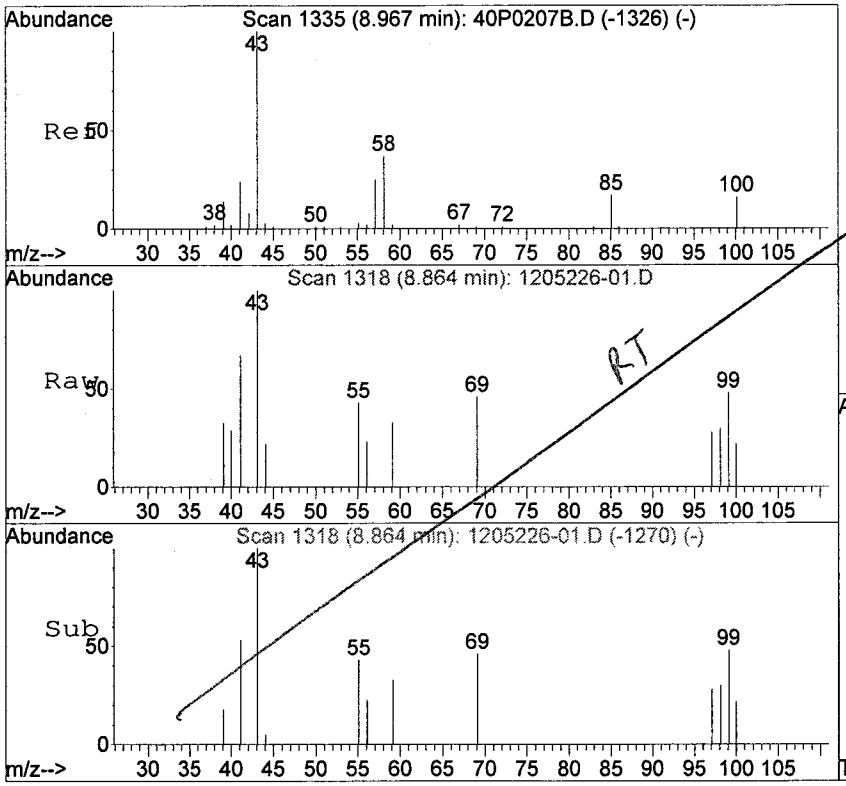
#43
bromodichloromethane
Concen: 0.26 ug/L
RT: 7.96 min Scan# 1170
Delta R.T. 0.04 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion: 83 Resp: 1292

Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.0	84.0#
127	0.0	0.0	28.8



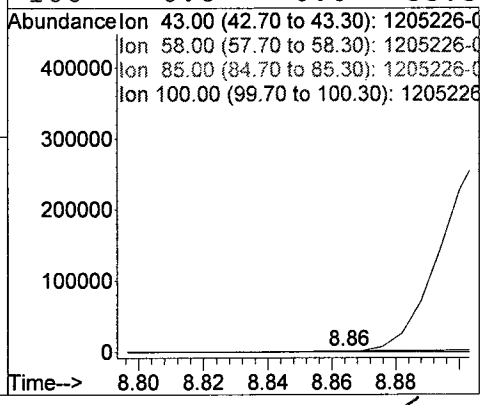
RT

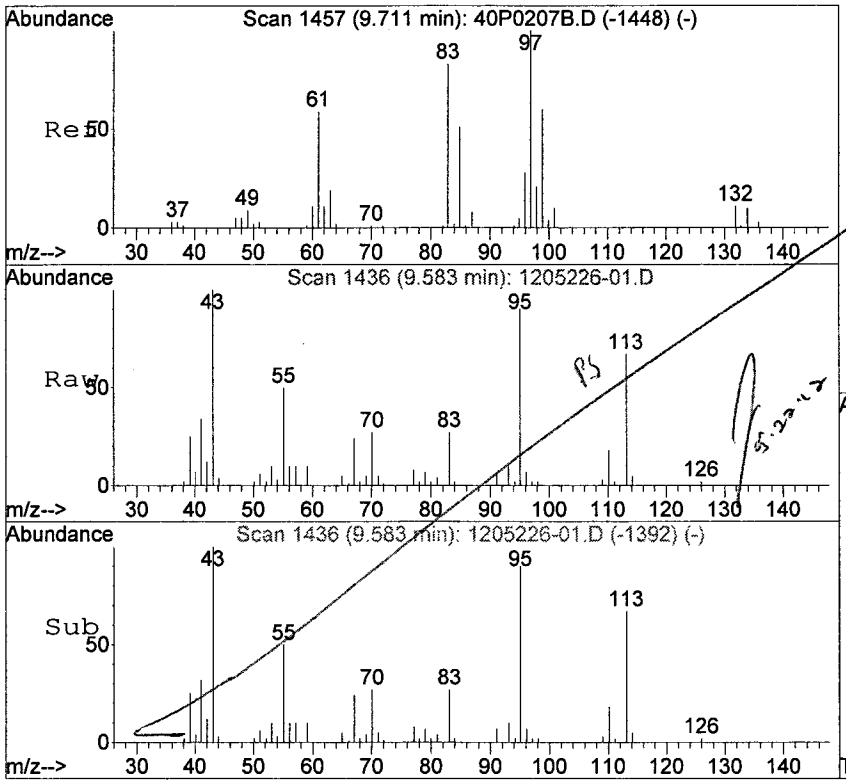


#46
4-methyl-2-pentanone (MIBK)
Concen: 0.68 ug/L
RT: 8.86 min Scan# 1318
Delta R.T. 0.04 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion: 43 Resp: 2121

Ion	Ratio	Lower	Upper
43	100		
58	0.0	18.2	58.2#
85	0.0	0.0	36.5
100	0.0	0.0	35.3

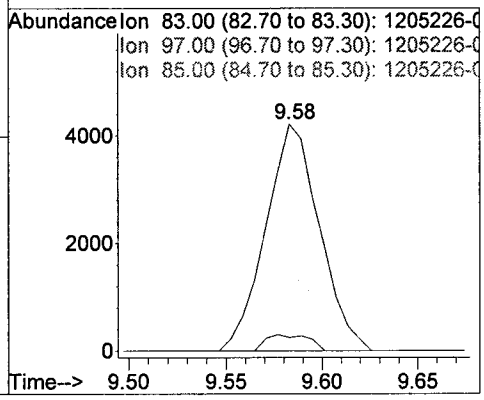


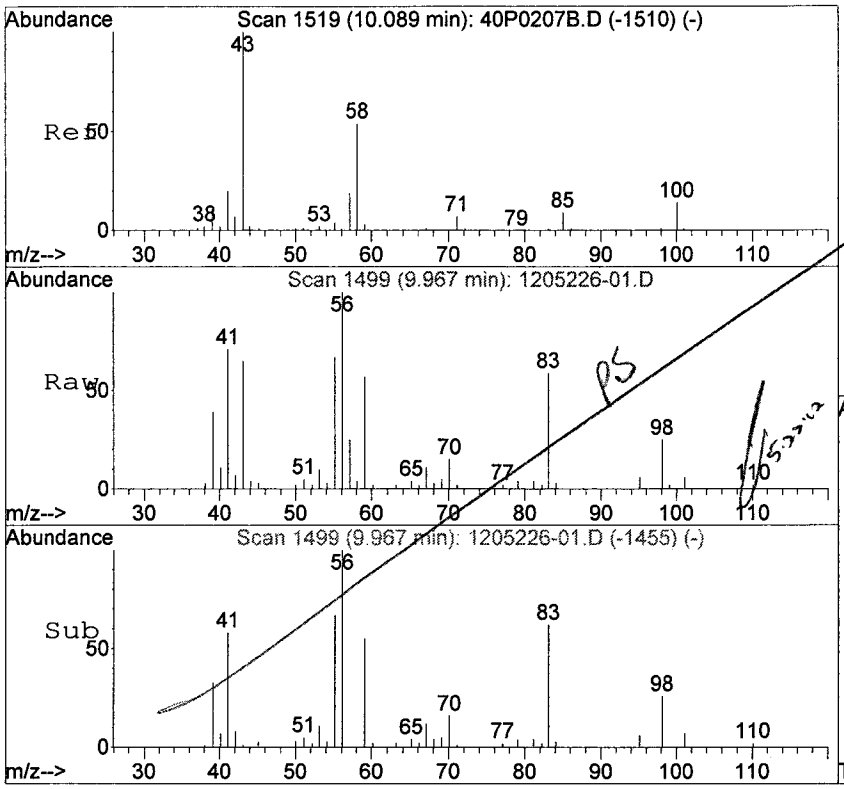


#50
1,1,2-trichloroethane
Concen: 3.00 ug/L
RT: 9.58 min Scan# 1436
Delta R.T. 0.02 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion: 83 Resp: 8213

Ion	Ratio	Lower	Upper
83	100		
97	0.0	99.7	139.7#
85	0.0	43.7	83.7#

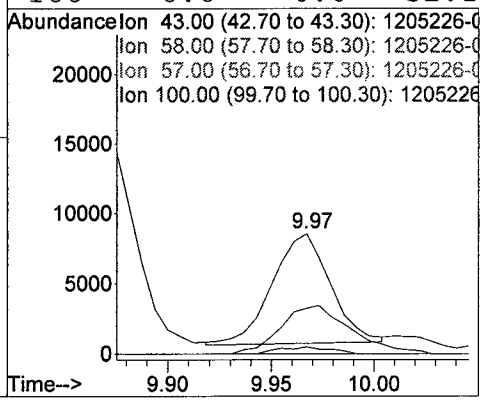


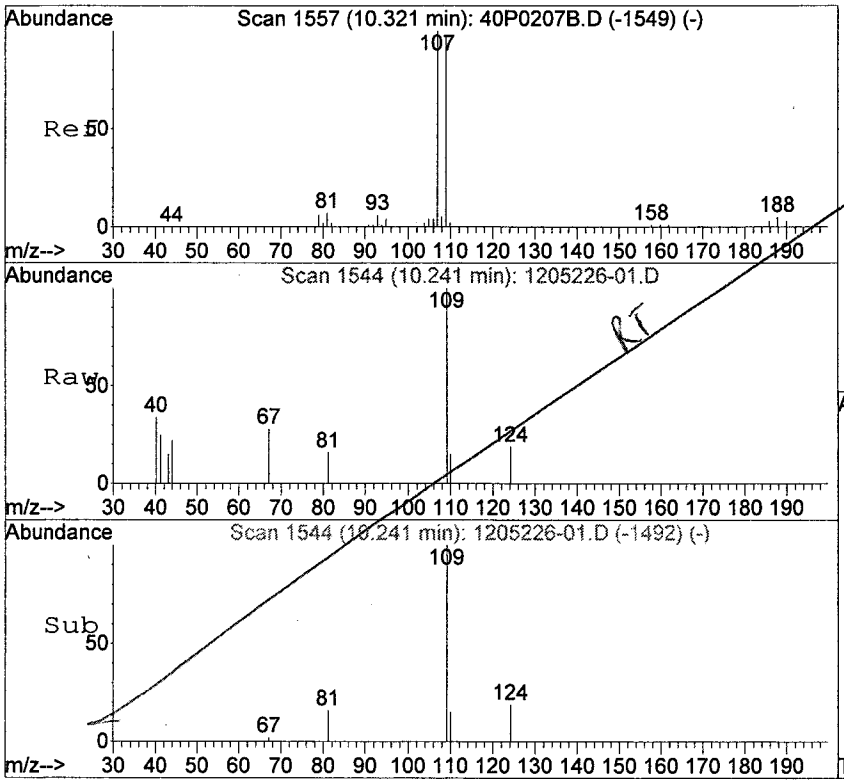


#54
2-hexanone (MBK)
Concen: 10.26 ug/L
RT: 9.97 min Scan# 1499
Delta R.T. 0.02 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion: 43 Resp: 15454

Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.7	73.7#
57	52.4	0.0	38.1#
100	0.0	0.0	32.1

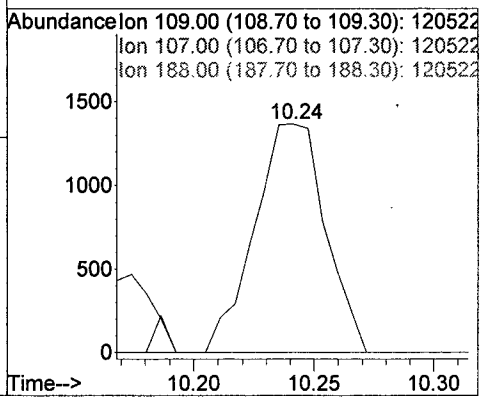


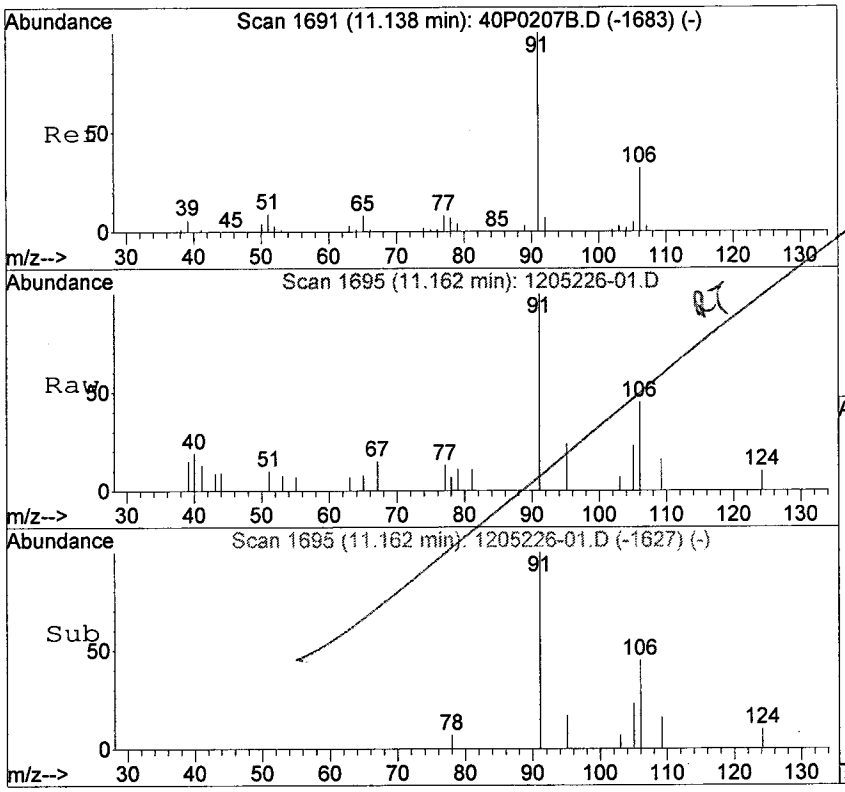


#56
1,2-dibromoethane
Concen: 0.93 ug/L
RT: 10.24 min Scan# 1544
Delta R.T. 0.07 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion:109 Resp: 2818

Ion	Ratio	Lower	Upper
109	100		
107	0.0	85.7	125.7#
188	0.0	0.0	25.0

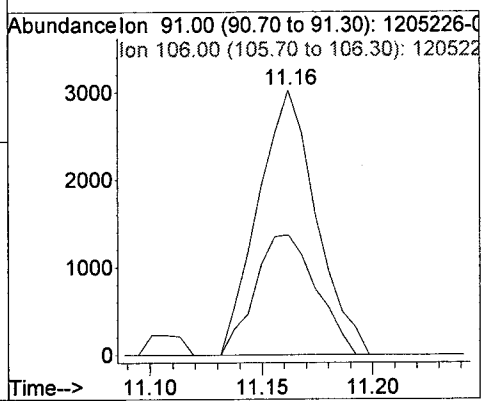


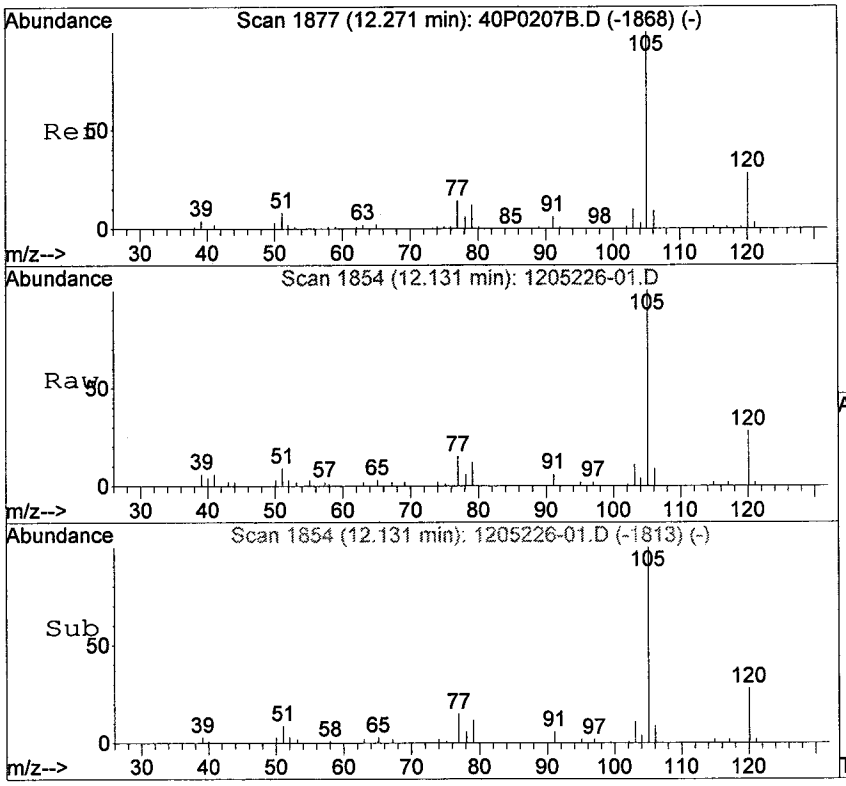


#60
ethylbenzene
Concen: 0.26 ug/L
RT: 11.16 min Scan# 1695
Delta R.T. 0.16 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion: 91 Resp: 5530

Ion	Ratio	Lower	Upper
91	100		
106	47.6	12.2	52.2

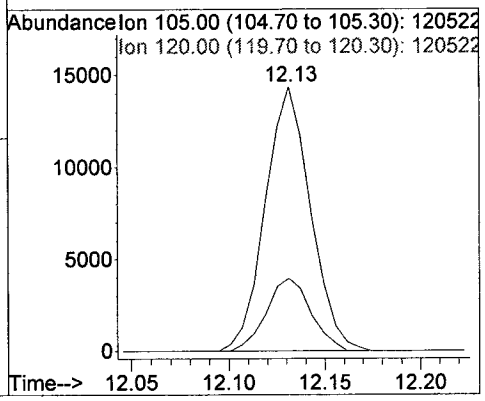




#67
isopropylbenzene
Concen: 1.38 ug/L
RT: 12.13 min Scan# 1854
Delta R.T. -0.00 min
Lab File: 1205226-01.D
Acq: 21 May 2012 10:07 am

Tgt Ion:105 Resp: 23651

Ion	Ratio	Lower	Upper
105	100		
120	27.0	7.7	47.7



ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106191

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205226-02 File ID: 1205226-02.D

Sampled: 05/09/12 13:00 Prepared: 05/21/12 07:00 Analyzed: 05/21/12 10:34

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206463 Sequence: 2E22019 Calibration: 2E22009 Instrument: 224

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
67-64-1	Acetone	1	9.6	1.1	5.0	
71-43-2	Benzene	1	1.0	0.11	1.0	U
75-27-4	Bromodichloromethane	1	1.0	0.13	1.0	U
75-25-2	Bromoform	1	1.0	0.26	1.0	U
74-83-9	Bromomethane	1	1.0	0.21	1.0	U
75-15-0	Carbon Disulfide	1	5.0	0.23	5.0	U
56-23-5	Carbon Tetrachloride	1	1.0	0.26	1.0	U
108-90-7	Chlorobenzene	1	1.0	0.17	1.0	U
75-00-3	Chloroethane	1	1.0	0.14	1.0	U
67-66-3	Chloroform	1	1.0	0.098	1.0	U
74-87-3	Chloromethane	1	1.0	0.29	1.0	U
110-82-7	Cyclohexane	1	1.3	0.18	5.0	**J**
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.13	1.0	U
124-48-1	Dibromochloromethane	1	1.0	0.15	1.0	U
106-93-4	1,2-Dibromoethane	1	1.0	0.15	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	0.24	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	0.24	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	0.25	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	0.21	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	0.18	1.0	U
107-06-2	1,2-Dichloroethane	1	1.6	0.21	1.0	
75-35-4	1,1-Dichloroethene	1	1.0	0.21	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	0.12	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.20	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	0.28	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	0.19	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	0.19	1.0	U
100-41-4	Ethylbenzene	1	1.0	0.21	1.0	U
591-78-6	2-Hexanone	1	5.0	0.49	5.0	U
98-82-8	Isopropylbenzene	1	1.4	0.22	1.0	
79-20-9	Methyl Acetate	1	1.1	0.42	5.0	**J**
1634-04-4	Methyl tert-Butyl Ether	1	0.21	0.19	1.0	**J**
108-87-2	Methylcyclohexane	1	5.0	0.37	5.0	U
75-09-2	Methylene Chloride	1	1.0	0.24	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106191

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205226-02 File ID: 1205226-02.D

Sampled: 05/09/12 13:00 Prepared: 05/21/12 07:00 Analyzed: 05/21/12 10:34

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206463 Sequence: 2E22019 Calibration: 2E22009 Instrument: 224

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
78-93-3	2-Butanone (MEK)	1	5.0	0.63	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	5.0	0.40	5.0	U
100-42-5	Styrene	1	1.0	0.20	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	0.26	1.0	U
127-18-4	Tetrachloroethene	1	1.0	0.23	1.0	U
108-88-3	Toluene	1	1.0	0.18	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	0.13	1.0	U
71-55-6	1,1,1-Trichloroethane	1	1.0	0.14	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	0.20	1.0	U
79-01-6	Trichloroethene	1	1.0	0.21	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	0.27	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	0.24	1.0	U
75-01-4	Vinyl Chloride	1	1.0	0.21	1.0	U
1330-20-7	Xylene (Total)	1	3.0	0.39	3.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	39.1	98	85 - 118	
1,2-Dichloroethane-d4	40.0	38.6	97	87 - 122	
Toluene-d8	40.0	39.9	100	85 - 113	
4-Bromofluorobenzene	40.0	40.4	101	82 - 110	

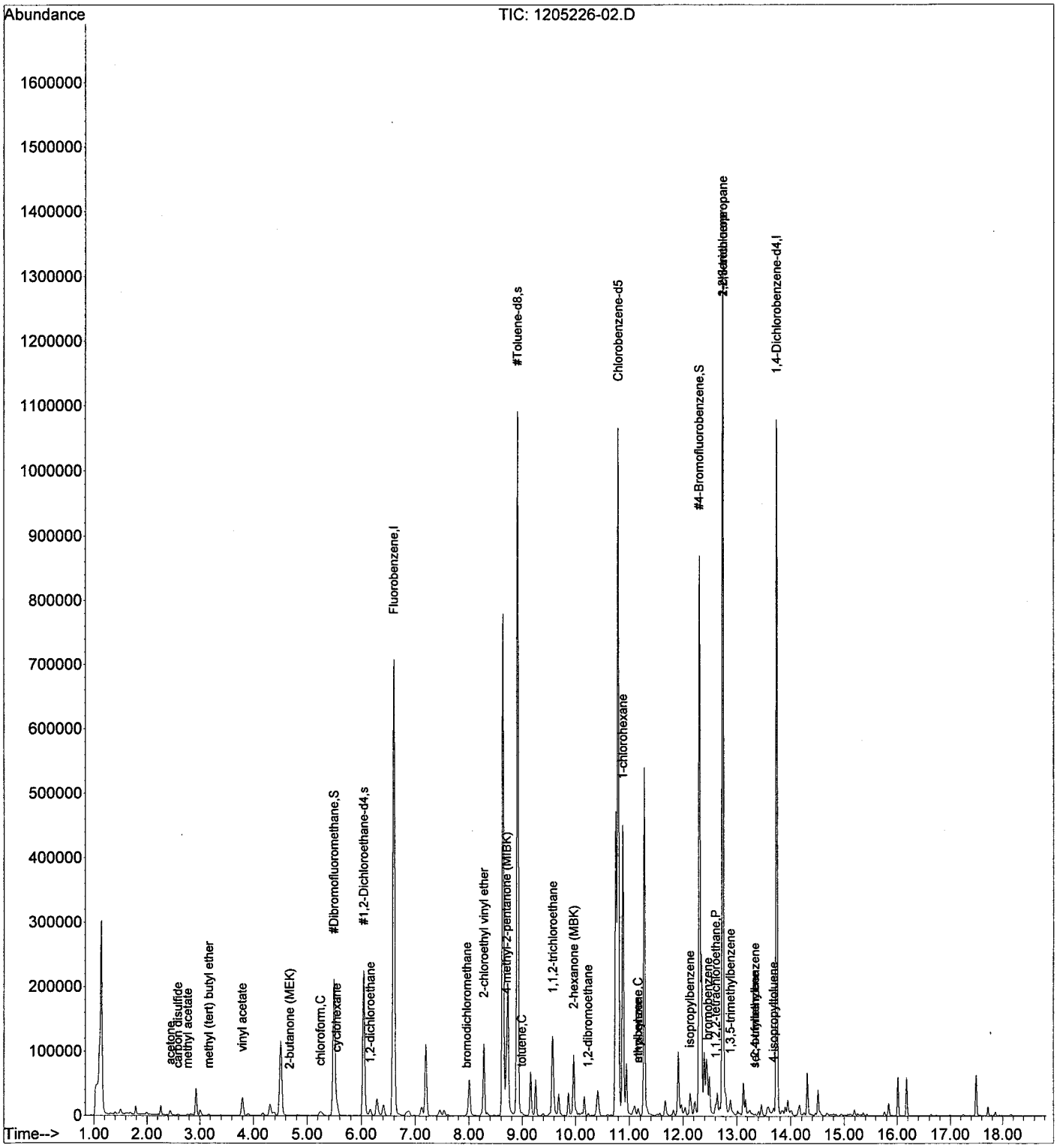
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	828291	6.6	825179	6.6	
Chlorobenzene-d5	629191	10.8	622853	10.79	
1,4-Dichlorobenzene-d4	332104	13.74	337935	13.74	

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : 1205226-02.D
InstName : 224
Acq On : 21 May 2012 10:34 am
Operator : DLV
Sample : 1205226-02
Misc : TL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 21 10:53:52 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration



00603

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : 1205226-02.D
InstName : 224
Acq On : 21 May 2012 10:34 am
Operator : DLV
Sample : 1205226-02
Misc : TL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 21 10:53:52 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	828291	40.00	ug/L	0.00 100.38%
51) Chlorobenzene-d5	10.80	117	629191	40.00	ug/L	0.00 101.02%
66) 1,4-Dichlorobenzene-d4	13.74	152	332104	40.00	ug/L	0.00 98.27%

System Monitoring Compounds						
29) #Dibromofluoromethane	5.49	111	185195	39.07	ug/L	-0.01
Spiked Amount 40.000			Recovery = 97.67%			
37) #1,2-Dichloroethane-d4	6.04	65	202750	38.63	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.58%			
47) #Toluene-d8	8.91	98	821020	39.90	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.75%			
65) #4-Bromofluorobenzene	12.30	95	300117	40.41	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.02%			

Target Compounds						Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.		
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	0.00	62	0	N.D.		
5) bromomethane	0.00	94	0	N.D.		
6) chloroethane	0.00	64	0	N.D.		
7) dichlorofluoromethane	0.00	67	0	N.D.		
8) trichlorofluoromethane	0.00	101	0	N.D.		
9) ethyl ether	0.00	74	0	N.D.		
10) acrolein	0.00	56	0	N.D.		
11) 1,1,2-trichloro-1,2,2-tr	0.00	101	0	N.D.		
12) 1,1-dichloroethene	0.00	96	0	N.D.		
13) acetone	2.44	43	11335	9.65	ug/L	92
14) iodomethane	0.00	142	0	N.D.		
15) carbon disulfide	2.58	76	1658	0.14	ug/L #	75
16) methyl acetate	2.77	43	2915	1.06	ug/L #	61
17) methylene chloride	0.00	49	0	N.D.		
18) acrylonitrile	0.00	53	0	N.D.		
19) trans-1,2-dichloroethene	0.00	96	0	N.D.		
20) methyl (tert) butyl ether	3.16	73	1921	0.21	ug/L #	52
21) 1,1-dichloroethane	0.00	63	0	N.D.		
22) vinyl acetate	3.80	43	1318	4.25	ug/L #	74
23) 2,2-dichloropropane	0.00	77	0	N.D.		
24) cis-1,2-dichloroethene	0.00	96	0	N.D.		
25) 2-butanone (MEK)	4.68	43	1409	ps ~~1.05~~	ug/L #	50
26) bromochloromethane	0.00	49	0	N.D.		
27) tetrahydrofuran	0.00	71	0	N.D.		
28) chloroform	5.25	83	5320	ps ~~0.74~~	ug/L #	18
30) 1,1,1-trichloroethane	0.00	97	0	N.D.		
31) cyclohexane	5.55	56	10160	1.30	ug/L	99
32) carbon tetrachloride	0.00	117	0	N.D.		
33) 1,1-dichloropropene	0.00	75	0	N.D.		
34) benzene	0.00	78	0	N.D.		
35) 1,2-dichloroethane	6.17	62	8585	1.62	ug/L #	72
36) heptane	6.60	57	26939	No Calib	#	

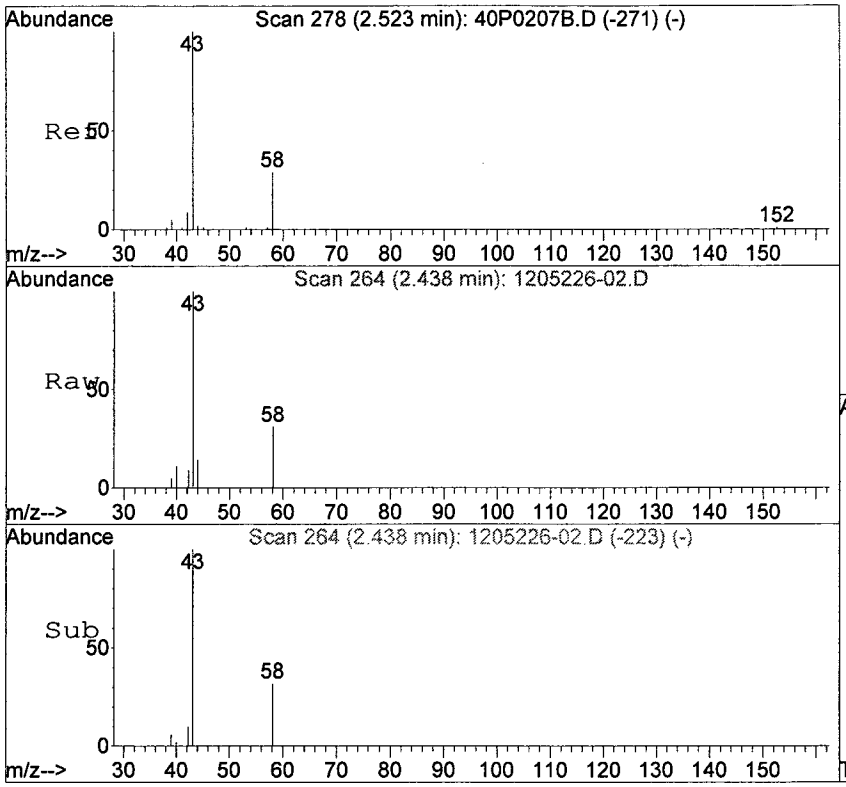
Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : 1205226-02.D
InstName : 224
Acq On : 21 May 2012 10:34 am
Operator : DLV
Sample : 1205226-02
Misc : TL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 21 10:53:52 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	0.00	130	0	N.D.	
39) methylcyclohexane	0.00	83	0	N.D.	
40) 1,2-dichloropropane	0.00	63	0	N.D.	
41) dibromomethane	0.00	93	0	N.D.	
42) 1,4-dioxane	0.00	88	0	N.D.	
43) bromodichloromethane	7.96	83	1740	RT ~~0.34~~ ug/L #	25
44) 2-chloroethyl vinyl ether	8.28	63	1427	1.08 ug/L #	1
45) cis-1,3-dichloropropene	0.00	75	0	N.D.	
46) 4-methyl-2-pentanone (MIBK	8.70	43	50802	RT ~~16.07~~ ug/L #	48
48) toluene	8.99	91	2527	0.13 ug/L	88
49) trans-1,3-dichloropropen	0.00	75	0	N.D.	
50) 1,1,2-trichloroethane	9.58	83	8591	PS ~~3.09~~ ug/L #	1
52) tetrachloroethene	0.00	166	0	N.D.	
53) 1,3-dichloropropane	0.00	76	0	N.D.	
54) 2-hexanone (MBK)	9.97	43	20458	PS ~~12.11~~ ug/L #	35
55) dibromochloromethane	0.00	129	0	N.D.	
56) 1,2-dibromoethane	10.24	109	2799	RT ~~0.92~~ ug/L #	2
57) chlorobenzene	0.00	112	0	N.D.	
58) 1-chlorohexane	10.88	55	148395	34.78 ug/L #	2
59) 1,1,1,2-tetrachloroethan	0.00	131	0	N.D.	
60) ethylbenzene	11.16	91	5424	RT ~~0.25~~ ug/L	77
61) m+p-xylene	11.16	106	2448	0.29 ug/L #	81
62) o-xylene	0.00	106	0	N.D.	
63) styrene	0.00	104	0	N.D.	
64) bromoform	0.00	173	0	N.D.	
67) isopropylbenzene	12.13	105	23316	1.35 ug/L	100
68) bromobenzene	12.47	77	1588	0.21 ug/L #	15
69) 1,1,2,2-tetrachloroethane	12.61	83	11055	RT ~~2.71~~ ug/L #	18
70) 1,2,3-trichloropropane	12.73	110	3003	2.36 ug/L #	1
71) 1,4-dichloro-2-butene	0.00	53	0	N.D.	
72) n-propylbenzene	0.00	120	0	N.D.	
73) 2-chlorotoluene	12.73	126	51371	11.47 ug/L #	1
74) 1,3,5-trimethylbenzene	12.88	105	11353	0.80 ug/L	99
75) 4-chlorotoluene	0.00	126	0	N.D.	
76) tert-butylbenzene	0.00	119	0	N.D.	
77) 1,2,4-trimethylbenzene	13.34	105	2832	0.20 ug/L	96
78) sec-butylbenzene	13.34	105	2832	0.18 ug/L #	54
79) 1,3-dichlorobenzene	0.00	146	0	N.D.	
80) 4-isopropyltoluene	13.69	119	6755	0.49 ug/L	96
81) 1,4-dichlorobenzene	0.00	146	0	N.D.	
82) 1,2-dichlorobenzene	0.00	146	0	N.D.	
83) n-butylbenzene	0.00	91	0	N.D.	
84) hexachloroethane	0.00	201	0	N.D.	
85) 1,2-dibromo-3-chloroprop	0.00	157	0	N.D.	
86) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
87) hexachlorobutadiene	0.00	225	0	N.D.	
88) naphthalene	0.00	128	0	N.D.	
89) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	
90) 2-methylnaphthalene	0.00	142	0	N.D.	

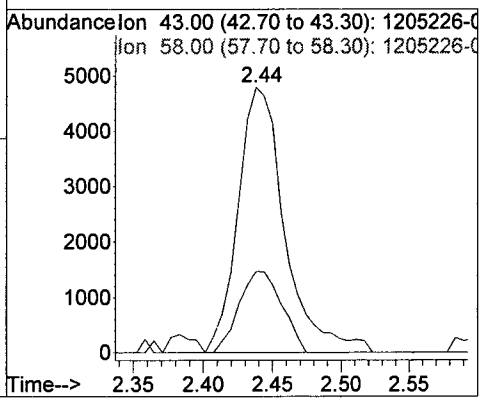
(#) = qualifier out of range (m) = manual integration (+) = signals summed

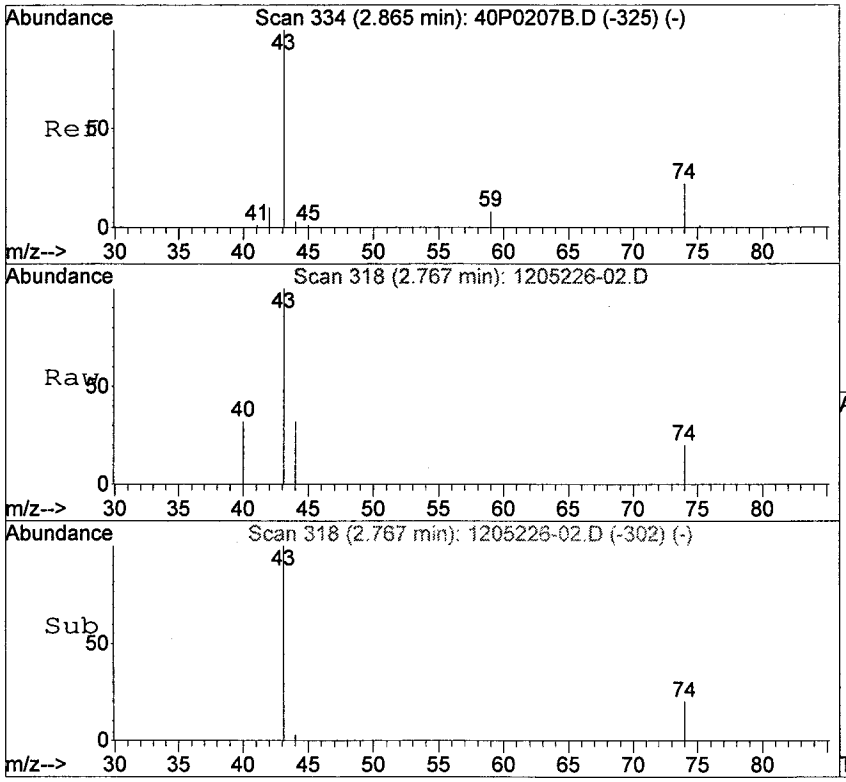


#13
acetone
Concen: 9.65 ug/L
RT: 2.44 min Scan# 264
Delta R.T. -0.00 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion: 43 Resp: 11335

Ion	Ratio	Lower	Upper
43	100		
58	28.0	12.3	52.3

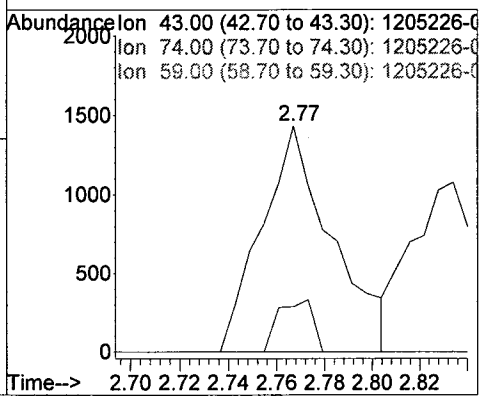


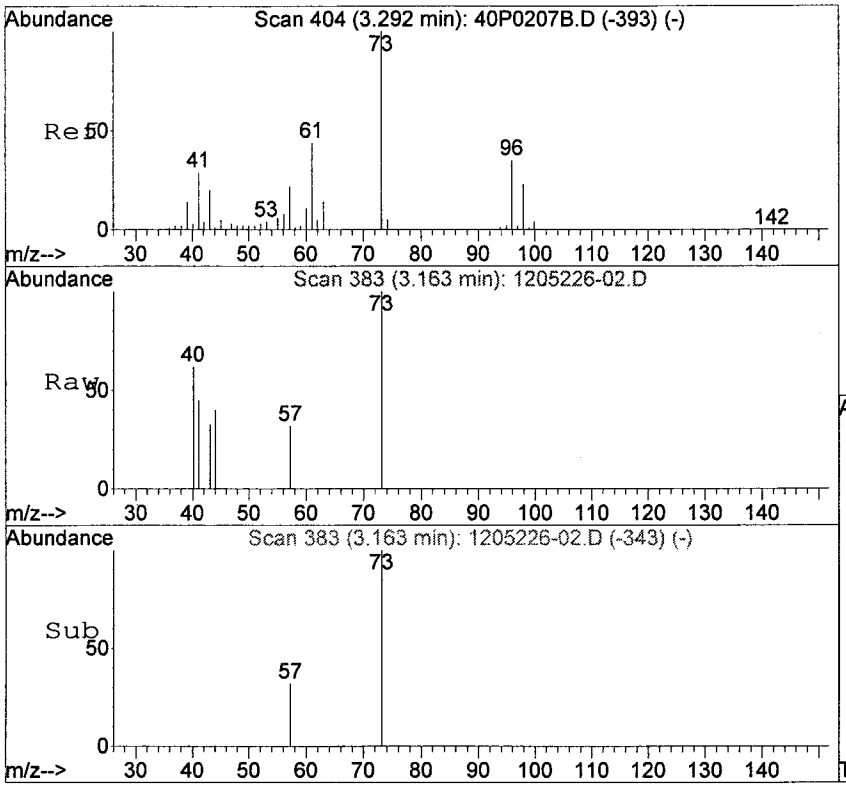


#16
methyl acetate
Concen: 1.06 ug/L
RT: 2.77 min Scan# 318
Delta R.T. 0.00 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion: 43 Resp: 2915

Ion	Ratio	Lower	Upper
43	100		
74	0.0	1.4	41.4#
59	0.0	0.0	27.5

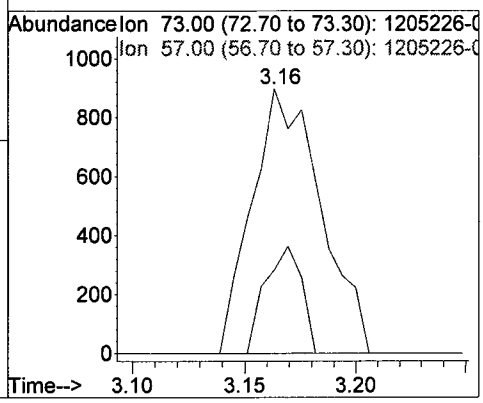


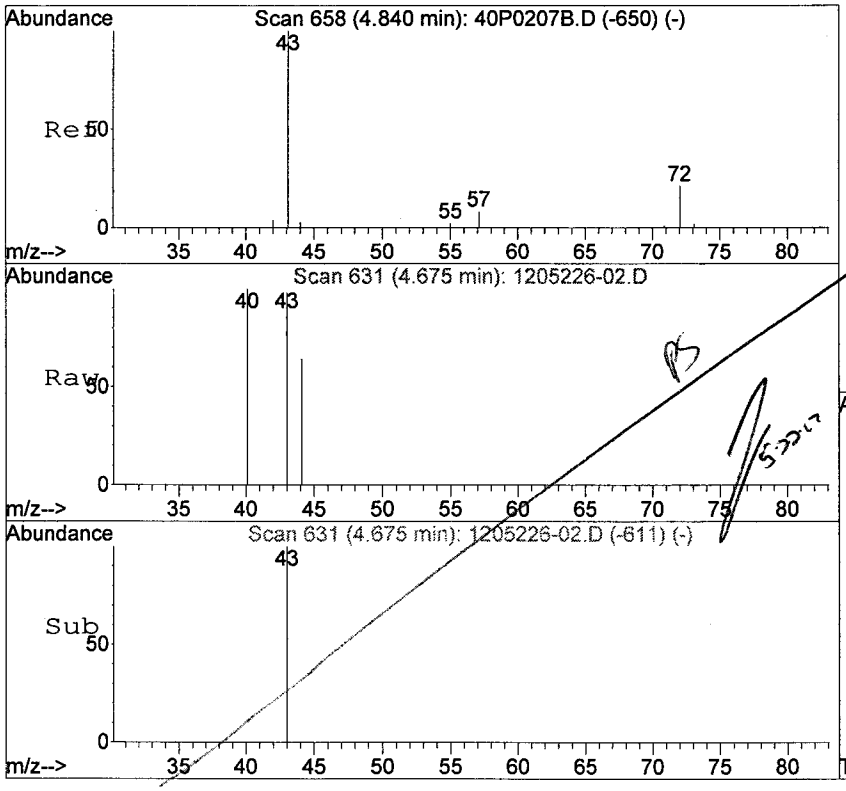


#20
methyl (tert) butyl ether
Concen: 0.21 ug/L
RT: 3.16 min Scan# 383
Delta R.T. -0.01 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion: 73 Resp: 1921

Ion	Ratio	Lower	Upper
73	100		
57	0.0	3.1	43.1#

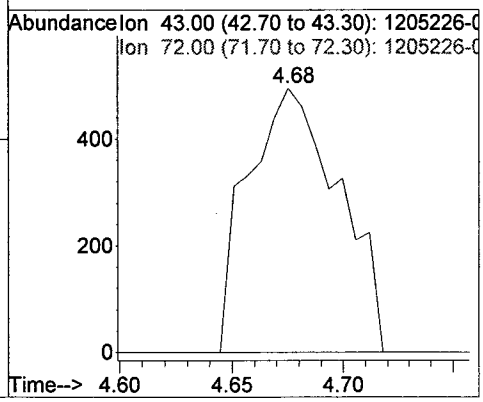


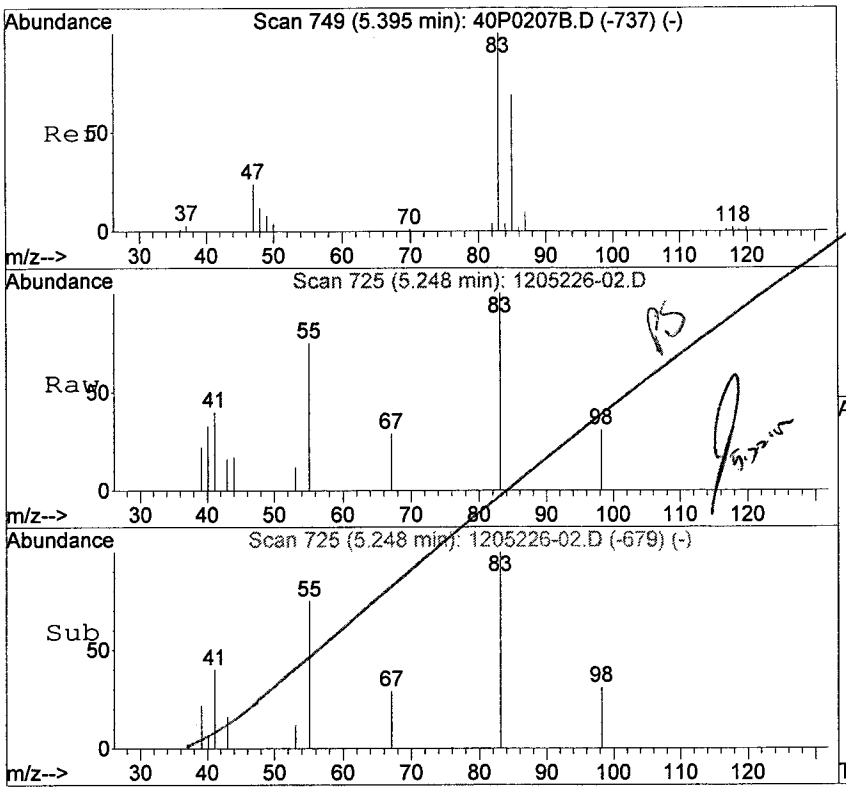


#25
2-butanone (MEK)
Concen: 1.05 ug/L
RT: 4.68 min Scan# 631
Delta R.T. 0.02 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion: 43 Resp: 1409

Ion	Ratio	Lower	Upper
43	100		
72	0.0	5.2	45.2#

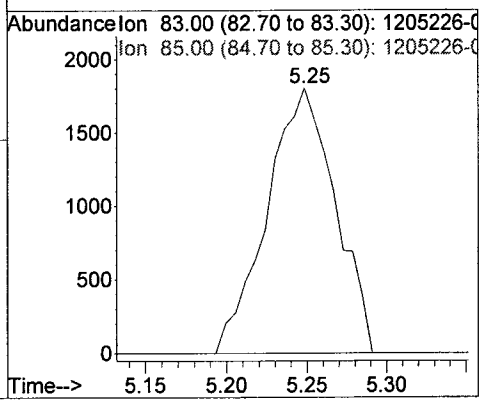


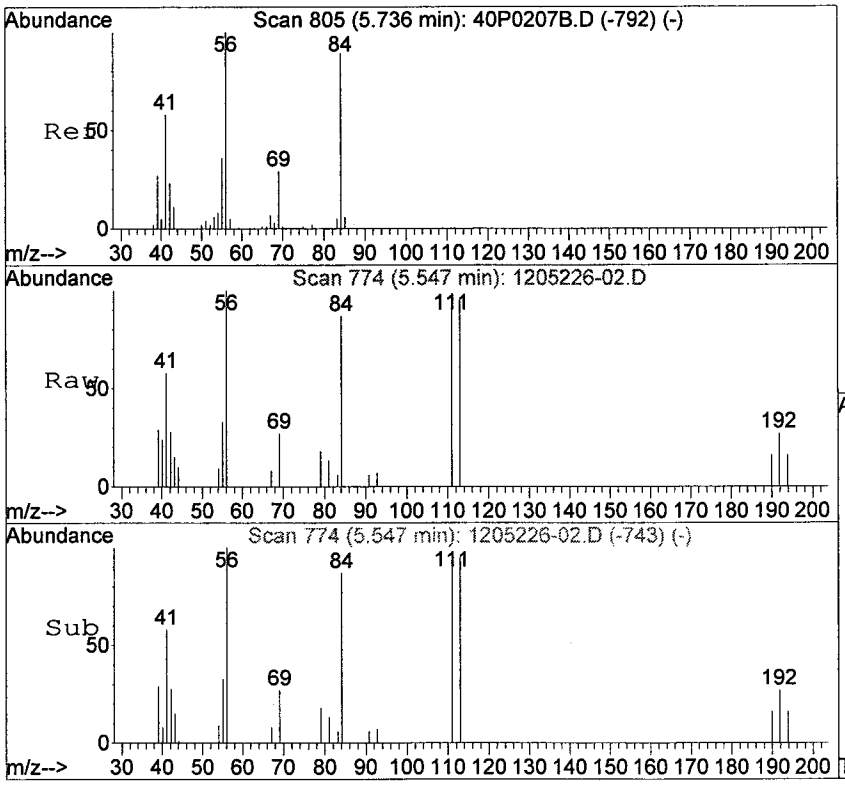


#28
chloroform
Concen: 0.74 ug/L
RT: 5.25 min Scan# 725
Delta R.T. 0.03 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion: 83 Resp: 5320

Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.3	84.3#

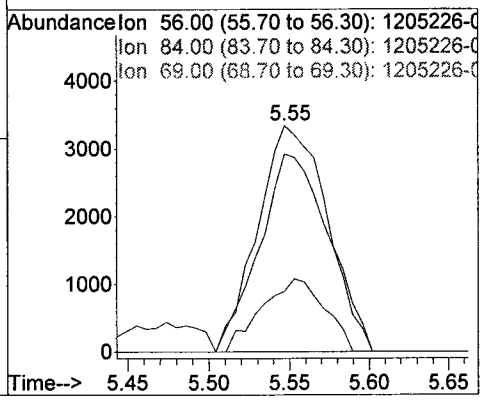


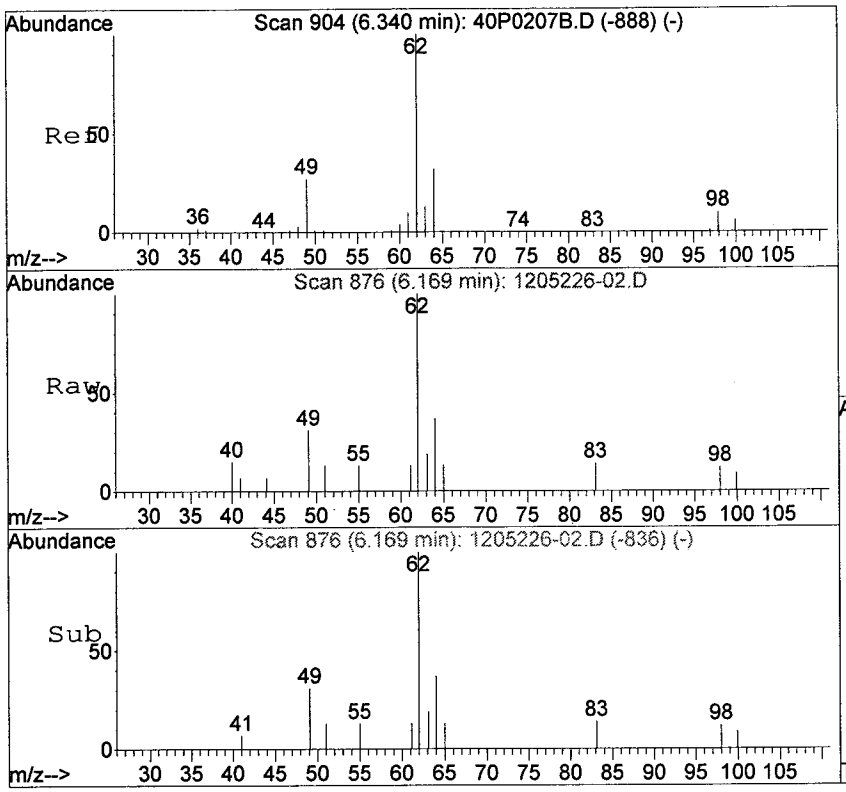


#31
cyclohexane
Concen: 1.30 ug/L
RT: 5.55 min Scan# 774
Delta R.T. -0.01 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion: 56 Resp: 10160

Ion	Ratio	Lower	Upper
56	100		
84	85.3	68.9	103.3
69	29.0	23.8	35.8

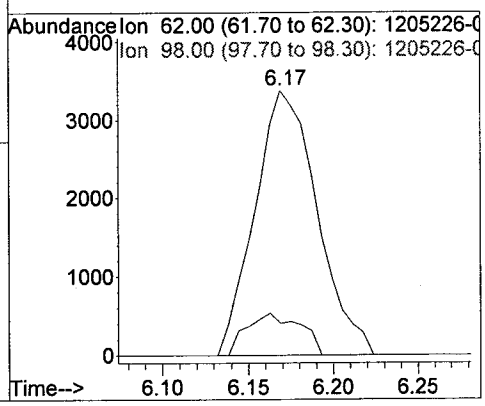


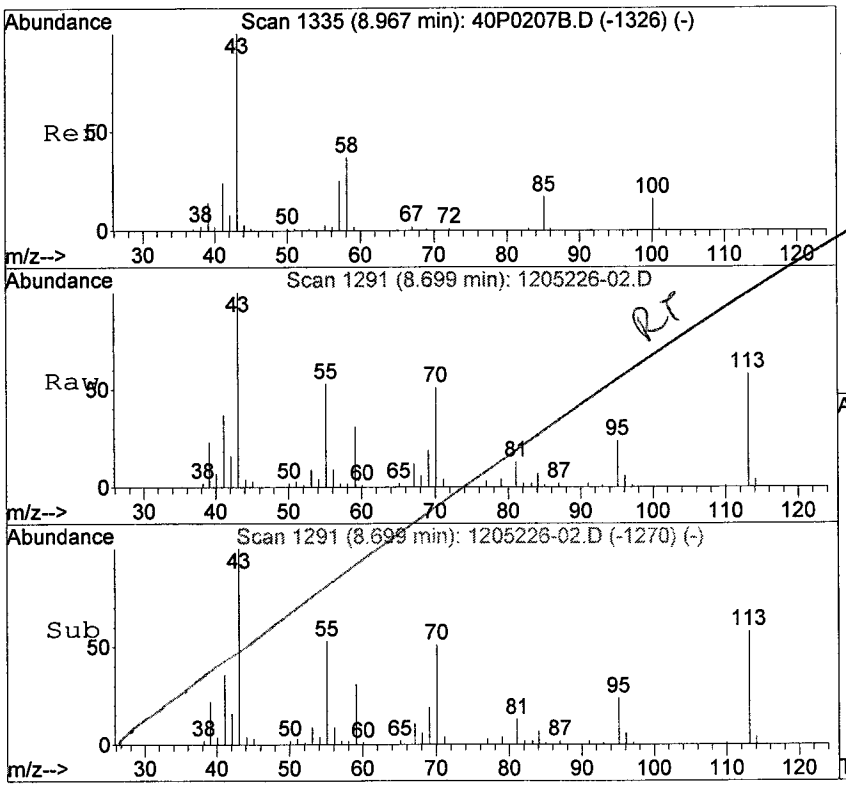


#35
1,2-dichloroethane
Concen: 1.62 ug/L
RT: 6.17 min Scan# 876
Delta R.T. -0.01 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion: 62 Resp: 8585

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	30.4

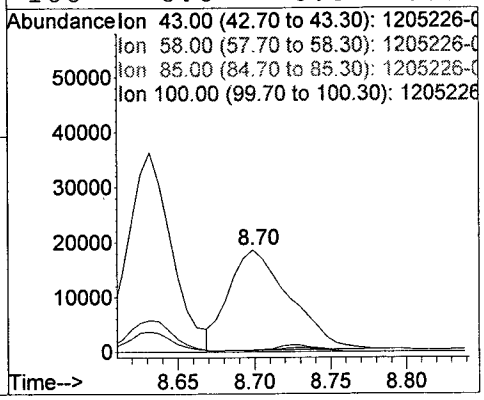


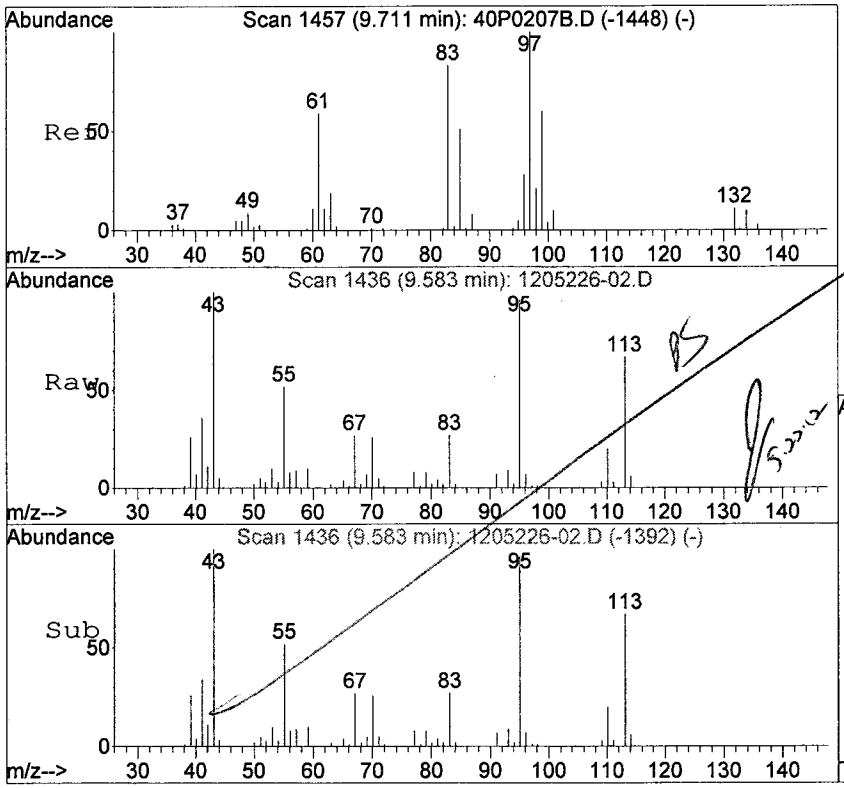


#46
4-methyl-2-pentanone (MIBK)
Concen: 16.07 ug/L
RT: 8.70 min Scan# 1291
Delta R.T. -0.12 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion: 43 Resp: 50802

Ion	Ratio	Lower	Upper
43	100		
58	0.0	18.2	58.2#
85	0.0	0.0	36.5
100	0.0	0.0	35.3

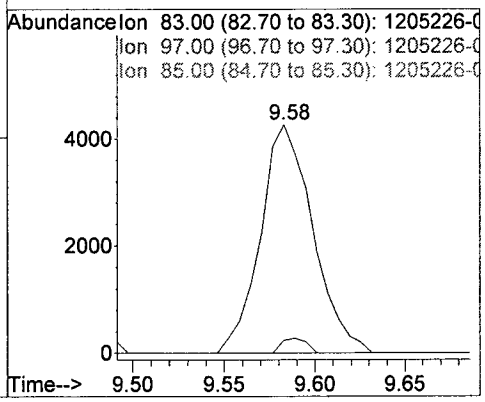


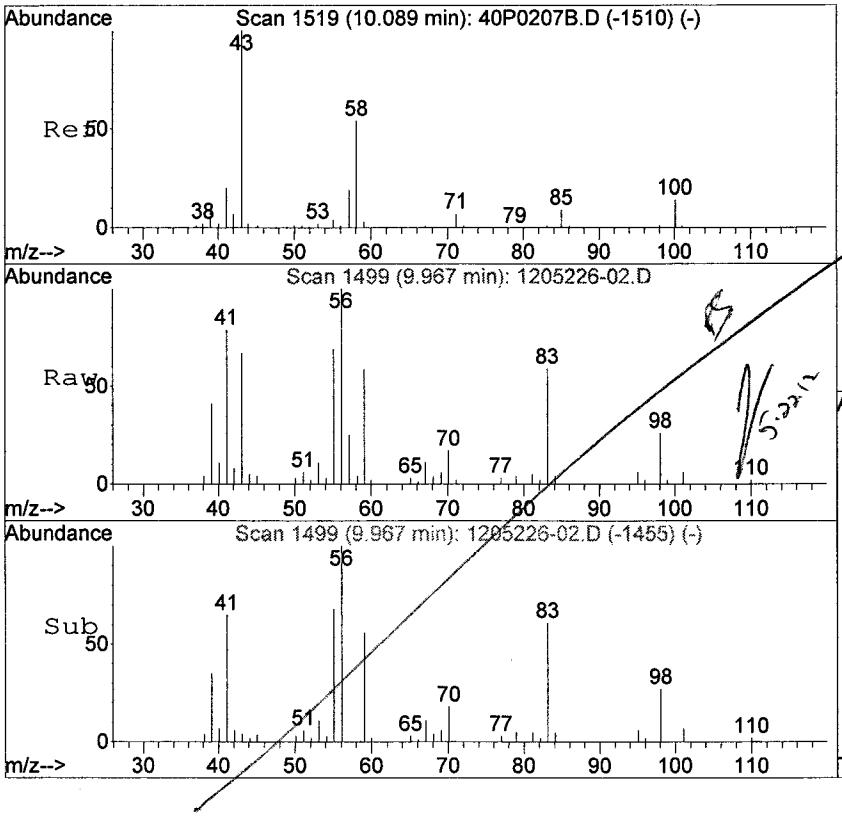


#50
1,1,2-trichloroethane
Concen: 3.09 ug/L
RT: 9.58 min Scan# 1436
Delta R.T. 0.02 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion: 83 Resp: 8591

Ion	Ratio	Lower	Upper
83	100		
97	0.0	99.7	139.7#
85	0.0	43.7	83.7#

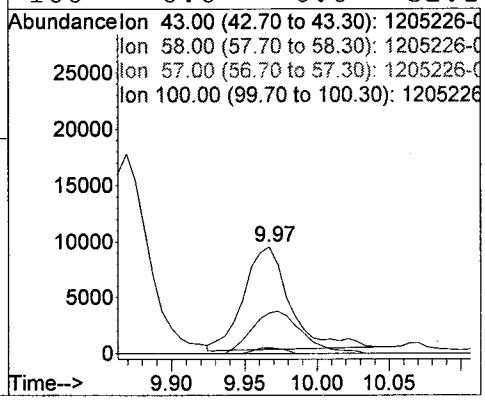


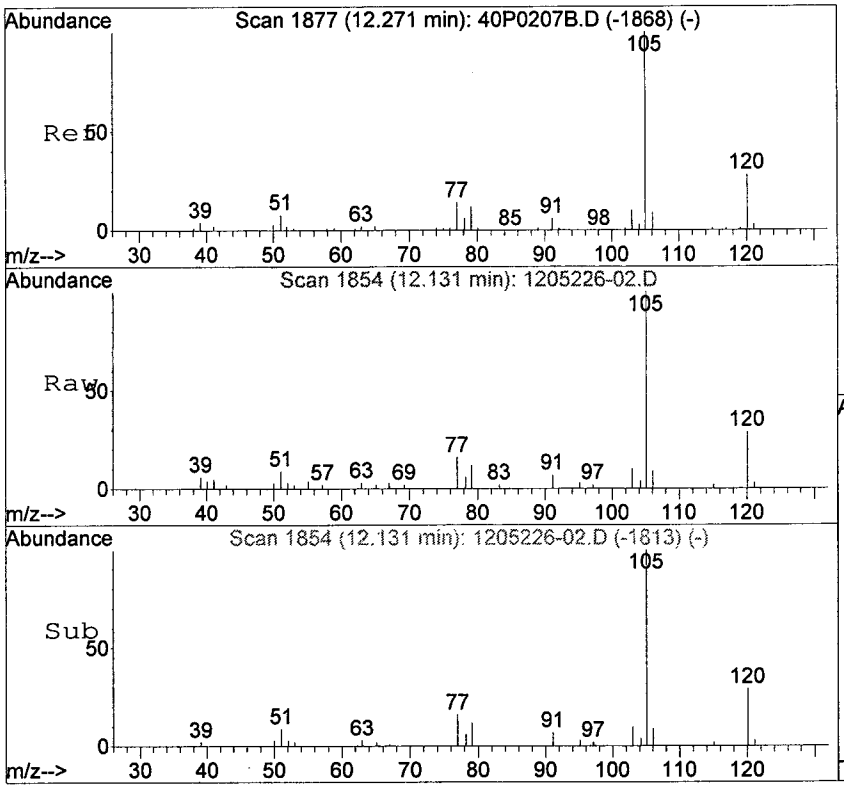


#54
2-hexanone (MBK)
Concen: 12.11 ug/L
RT: 9.97 min Scan# 1499
Delta R.T. 0.02 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion: 43 Resp: 20458

Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.7	73.7#
57	44.3	0.0	38.1#
100	0.0	0.0	32.1

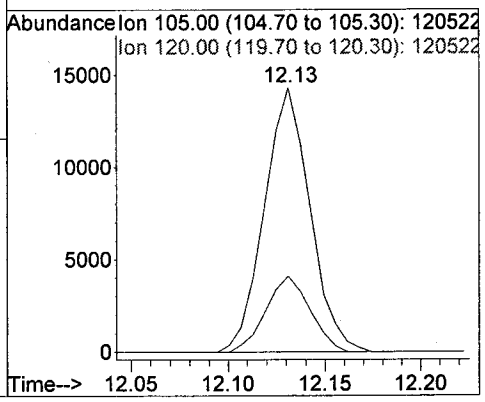




#67
isopropylbenzene
Concen: 1.35 ug/L
RT: 12.13 min Scan# 1854
Delta R.T. -0.00 min
Lab File: 1205226-02.D
Acq: 21 May 2012 10:34 am

Tgt Ion:105 Resp: 23316

Ion	Ratio	Lower	Upper
105	100		
120	27.6	7.7	47.7



ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

1060SL

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205358-01 File ID: 1205358-01.D

Sampled: 05/17/12 10:00 Prepared: 05/21/12 07:00 Analyzed: 05/21/12 11:02

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206463 Sequence: 2E22019 Calibration: 2E22009 Instrument: 224

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
67-64-1	Acetone	1	2.5	1.1	5.0	J
71-43-2	Benzene	1	1.0	0.11	1.0	U
75-27-4	Bromodichloromethane	1	1.0	0.13	1.0	U
75-25-2	Bromoform	1	1.0	0.26	1.0	U
74-83-9	Bromomethane	1	1.0	0.21	1.0	U
75-15-0	Carbon Disulfide	1	5.0	0.23	5.0	U
56-23-5	Carbon Tetrachloride	1	1.0	0.26	1.0	U
108-90-7	Chlorobenzene	1	1.0	0.17	1.0	U
75-00-3	Chloroethane	1	1.0	0.14	1.0	U
67-66-3	Chloroform	1	1.0	0.098	1.0	U
74-87-3	Chloromethane	1	1.0	0.29	1.0	U
110-82-7	Cyclohexane	1	5.0	0.18	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.13	1.0	U
124-48-1	Dibromochloromethane	1	1.0	0.15	1.0	U
106-93-4	1,2-Dibromoethane	1	1.0	0.15	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	0.24	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	0.24	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	0.25	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	0.21	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	0.18	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	0.21	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	0.21	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	0.12	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.20	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	0.28	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	0.19	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	0.19	1.0	U
100-41-4	Ethylbenzene	1	1.0	0.21	1.0	U
591-78-6	2-Hexanone	1	5.0	0.49	5.0	U
98-82-8	Isopropylbenzene	1	1.0	0.22	1.0	U
79-20-9	Methyl Acetate	1	0.90	0.42	5.0	J
1634-04-4	Methyl tert-Butyl Ether	1	1.0	0.19	1.0	U
108-87-2	Methylcyclohexane	1	5.0	0.37	5.0	U
75-09-2	Methylene Chloride	1	1.0	0.24	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

1060SL

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712
Client: TechLaw Project: KNM
Matrix: Water Laboratory ID: 1205358-01 File ID: 1205358-01.D
Sampled: 05/17/12 10:00 Prepared: 05/21/12 07:00 Analyzed: 05/21/12 11:02
Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL
QC Batch: 1206463 Sequence: 2E22019 Calibration: 2E22009 Instrument: 224

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
78-93-3	2-Butanone (MEK)	1	5.0	0.63	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	5.0	0.40	5.0	U
100-42-5	Styrene	1	1.0	0.20	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	0.26	1.0	U
127-18-4	Tetrachloroethene	1	1.0	0.23	1.0	U
108-88-3	Toluene	1	1.0	0.18	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	0.13	1.0	U
71-55-6	1,1,1-Trichloroethane	1	1.0	0.14	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	0.20	1.0	U
79-01-6	Trichloroethene	1	1.0	0.21	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	0.27	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	0.24	1.0	U
75-01-4	Vinyl Chloride	1	1.0	0.21	1.0	U
1330-20-7	Xylene (Total)	1	3.0	0.39	3.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	39.4	99	85 - 118	
1,2-Dichloroethane-d4	40.0	38.8	97	87 - 122	
Toluene-d8	40.0	39.6	99	85 - 113	
4-Bromofluorobenzene	40.0	39.5	99	82 - 110	

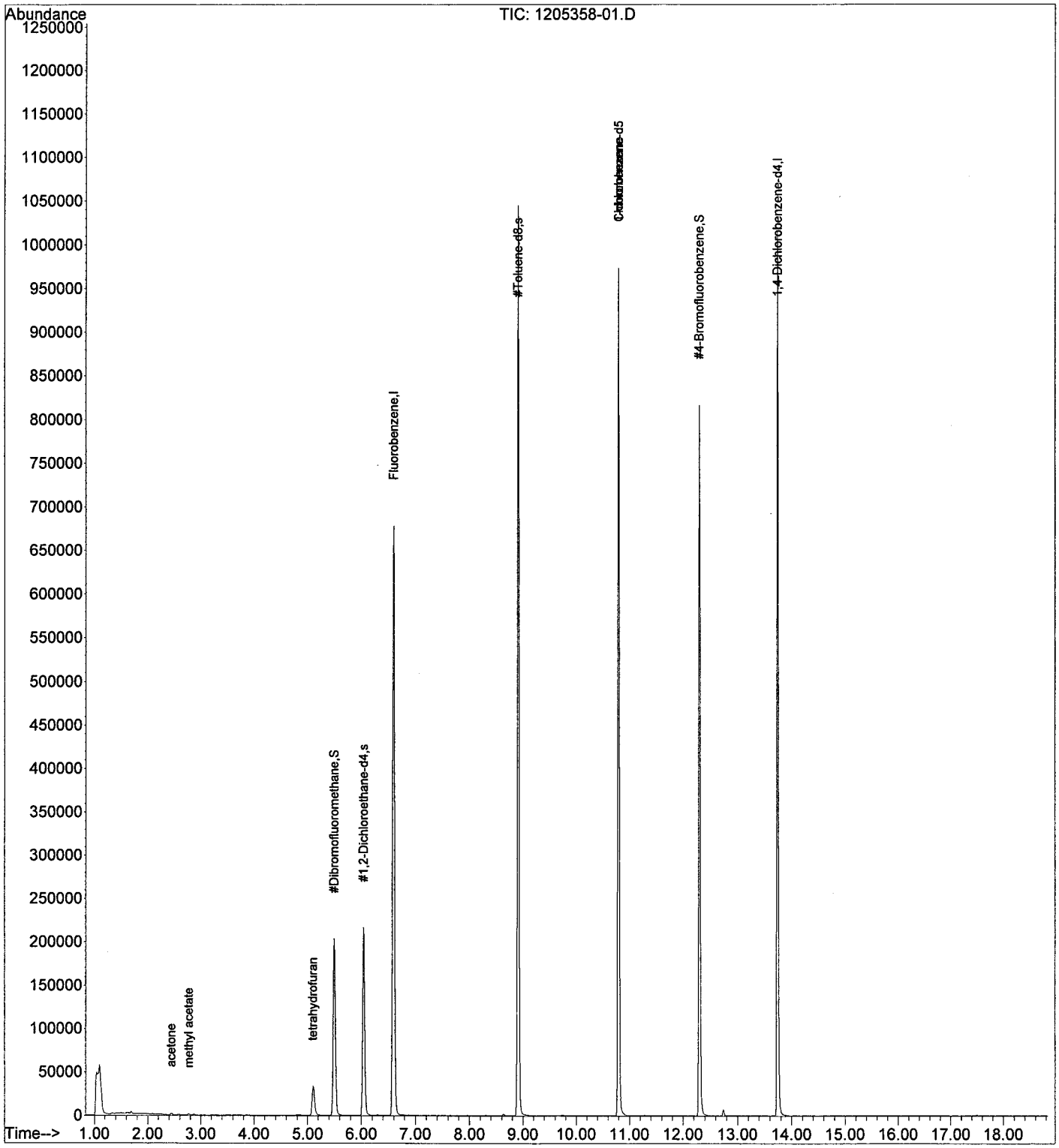
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	802234	6.6	825179	6.6	
Chlorobenzene-d5	603132	10.8	622853	10.79	
1,4-Dichlorobenzene-d4	313856	13.74	337935	13.74	

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : 1205358-01.D
InstName : 224
Acq On : 21 May 2012 11:02 am
Operator : DLV
Sample : 1205358-01
Misc : TL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 21 11:21:27 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration



00614

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : 1205358-01.D
InstName : 224
Acq On : 21 May 2012 11:02 am
Operator : DLV
Sample : 1205358-01
Misc : TL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 21 11:21:27 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	802234	40.00 ug/L	0.00 97.22%
51) Chlorobenzene-d5	10.80	117	603132	40.00 ug/L	0.00 96.83%
66) 1,4-Dichlorobenzene-d4	13.74	152	313856	40.00 ug/L	0.00 92.87%

System Monitoring Compounds					
29) #Dibromofluoromethane	5.49	111	181003	39.42 ug/L	-0.01
Spiked Amount 40.000			Recovery =	98.55%	
37) #1,2-Dichloroethane-d4	6.04	65	197005	38.76 ug/L	0.00
Spiked Amount 40.000			Recovery =	96.90%	
47) #Toluene-d8	8.91	98	788183	39.55 ug/L	0.00
Spiked Amount 40.000			Recovery =	98.87%	
65) #4-Bromofluorobenzene	12.30	95	281017	39.47 ug/L	0.00
Spiked Amount 40.000			Recovery =	98.67%	

Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chloromethane	0.00	50	0	N.D.	
4) vinyl chloride	0.00	62	0	N.D.	
5) bromomethane	0.00	94	0	N.D.	
6) chloroethane	0.00	64	0	N.D.	
7) dichlorofluoromethane	0.00	67	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) ethyl ether	0.00	74	0	N.D.	
10) acrolein	0.00	56	0	N.D.	
11) 1,1,2-trichloro-1,2,2-tr	0.00	101	0	N.D.	
12) 1,1-dichloroethene	0.00	96	0	N.D.	
13) acetone	2.44	43	2889	2.54 ug/L #	42
14) iodomethane	0.00	142	0	N.D.	
15) carbon disulfide	0.00	76	0	N.D.	
16) methyl acetate	2.76	43	2398	0.90 ug/L #	61
17) methylene chloride	0.00	49	0	N.D.	
18) acrylonitrile	0.00	53	0	N.D.	
19) trans-1,2-dichloroethene	0.00	96	0	N.D.	
20) methyl (tert) butyl ethe	0.00	73	0	N.D.	
21) 1,1-dichloroethane	0.00	63	0	N.D.	
22) vinyl acetate	0.00	43	0	N.D.	
23) 2,2-dichloropropane	0.00	77	0	N.D.	
24) cis-1,2-dichloroethene	0.00	96	0	N.D.	
25) 2-butanone (MEK)	0.00	43	0	N.D.	
26) bromochloromethane	0.00	49	0	N.D.	
27) tetrahydrofuran	5.10	71	12782	31.71 ug/L	95
28) chloroform	0.00	83	0	N.D.	
30) 1,1,1-trichloroethane	0.00	97	0	N.D.	
31) cyclohexane	0.00	56	0	N.D.	
32) carbon tetrachloride	0.00	117	0	N.D.	
33) 1,1-dichloropropene	0.00	75	0	N.D.	
34) benzene	0.00	78	0	N.D.	
35) 1,2-dichloroethane	0.00	62	0	N.D.	
36) heptane	6.59	57	26057	No Calib #	

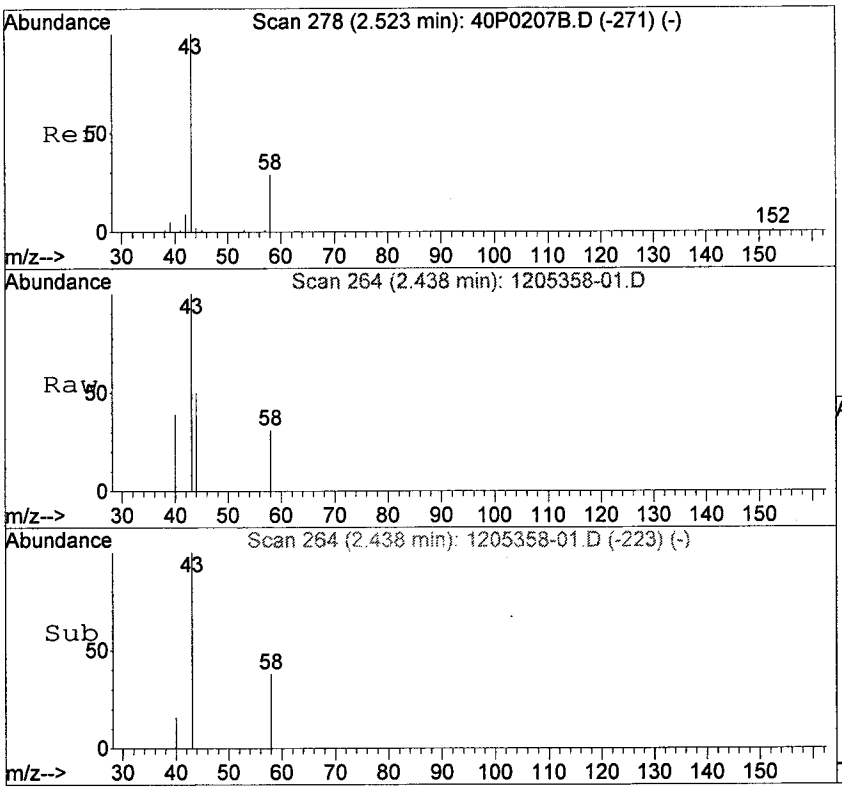
Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : 1205358-01.D
InstName : 224
Acq On : 21 May 2012 11:02 am
Operator : DLV
Sample : 1205358-01
Misc : TL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 21 11:21:27 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	0.00	130	0	N.D.	
39) methylcyclohexane	0.00	83	0	N.D.	
40) 1,2-dichloropropane	0.00	63	0	N.D.	
41) dibromomethane	0.00	93	0	N.D.	
42) 1,4-dioxane	0.00	88	0	N.D.	
43) bromodichloromethane	0.00	83	0	N.D.	
44) 2-chloroethyl vinyl ethe	0.00	63	0	N.D.	
45) cis-1,3-dichloropropene	0.00	75	0	N.D.	
46) 4-methyl-2-pentanone (MI	0.00	43	0	N.D.	
48) toluene	0.00	91	0	N.D.	
49) trans-1,3-dichloropropen	0.00	75	0	N.D.	
50) 1,1,2-trichloroethane	0.00	83	0	N.D.	
52) tetrachloroethene	0.00	166	0	N.D.	
53) 1,3-dichloropropane	0.00	76	0	N.D.	
54) 2-hexanone (MBK)	0.00	43	0	N.D.	
55) dibromochloromethane	0.00	129	0	N.D.	
56) 1,2-dibromoethane	0.00	109	0	N.D.	
57) chlorobenzene	0.00	112	0	N.D.	
58) 1-chlorohexane	10.79	55	5154	1.26 ug/L #	1
59) 1,1,1,2-tetrachloroethan	0.00	131	0	N.D.	
60) ethylbenzene	0.00	91	0	N.D.	
61) m+p-xylene	0.00	106	0	N.D.	
62) o-xylene	0.00	106	0	N.D.	
63) styrene	0.00	104	0	N.D.	
64) bromoform	0.00	173	0	N.D.	
67) isopropylbenzene	0.00	105	0	N.D.	
68) bromobenzene	0.00	77	0	N.D.	
69) 1,1,2,2-tetrachloroethan	0.00	83	0	N.D.	
70) 1,2,3-trichloropropane	0.00	110	0	N.D.	
71) 1,4-dichloro-2-butene	0.00	53	0	N.D.	
72) n-propylbenzene	0.00	120	0	N.D.	
73) 2-chlorotoluene	0.00	126	0	N.D.	
74) 1,3,5-trimethylbenzene	0.00	105	0	N.D.	
75) 4-chlorotoluene	0.00	126	0	N.D.	
76) tert-butylbenzene	0.00	119	0	N.D.	
77) 1,2,4-trimethylbenzene	0.00	105	0	N.D.	
78) sec-butylbenzene	0.00	105	0	N.D.	
79) 1,3-dichlorobenzene	0.00	146	0	N.D.	
80) 4-isopropyltoluene	0.00	119	0	N.D.	
81) 1,4-dichlorobenzene	0.00	146	0	N.D.	
82) 1,2-dichlorobenzene	0.00	146	0	N.D.	
83) n-butylbenzene	0.00	91	0	N.D.	
84) hexachloroethane	0.00	201	0	N.D.	
85) 1,2-dibromo-3-chloroprop	0.00	157	0	N.D.	
86) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
87) hexachlorobutadiene	0.00	225	0	N.D.	
88) naphthalene	0.00	128	0	N.D.	
89) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	
90) 2-methylnaphthalene	0.00	142	0	N.D.	

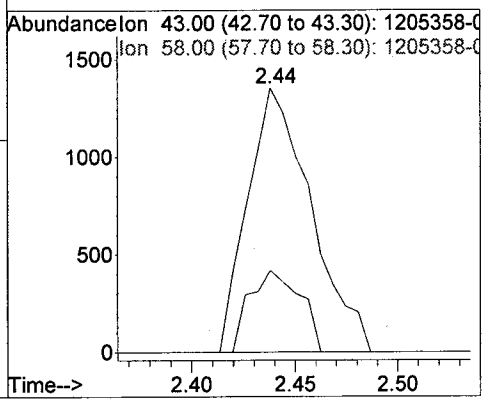
(#) = qualifier out of range (m) = manual integration (+) = signals summed

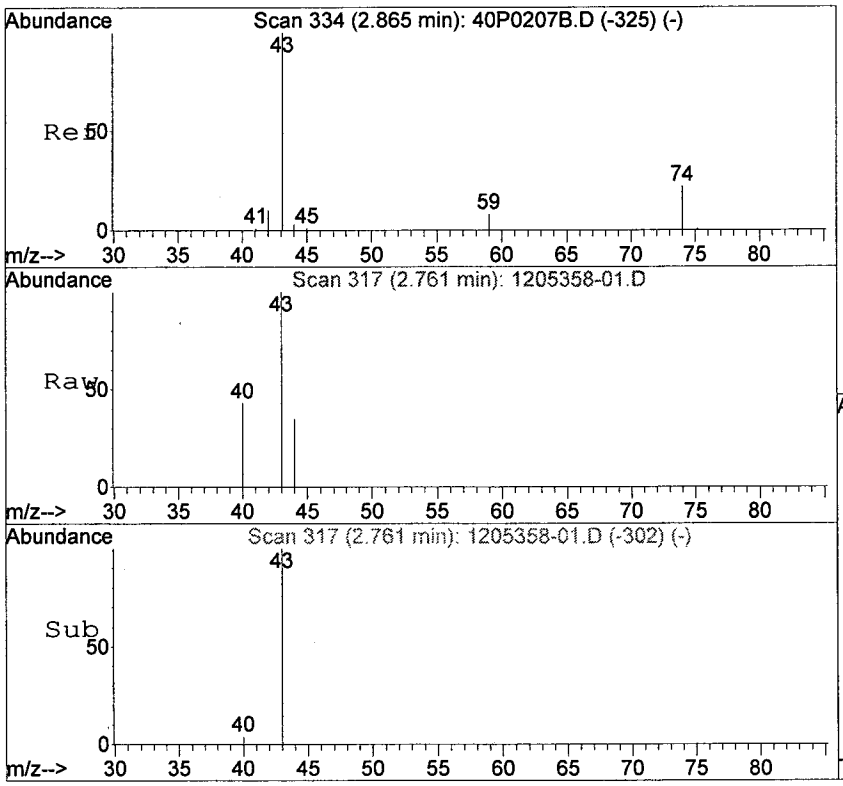


#13
acetone
Concen: 2.54 ug/L
RT: 2.44 min Scan# 264
Delta R.T. -0.00 min
Lab File: 1205358-01.D
Acq: 21 May 2012 11:02 am

Tgt Ion: 43 Resp: 2889

Ion	Ratio	Lower	Upper
43	100		
58	0.0	12.3	52.3#

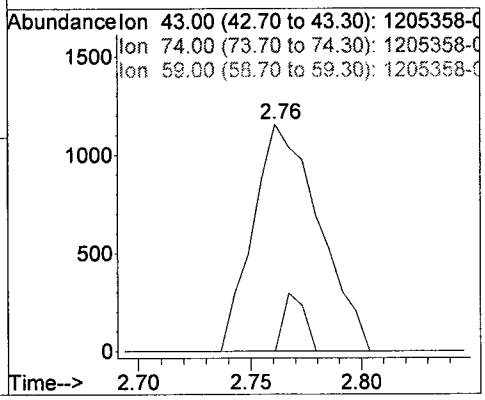




#16
methyl acetate
Concen: 0.90 ug/L
RT: 2.76 min Scan# 317
Delta R.T. -0.01 min
Lab File: 1205358-01.D
Acq: 21 May 2012 11:02 am

Tgt Ion: 43 Resp: 2398

Ion	Ratio	Lower	Upper
43	100		
74	0.0	1.4	41.4#
59	0.0	0.0	27.5



ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106RCT

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205374-01 File ID: 1205374-01.D

Sampled: 05/18/12 09:30 Prepared: 05/31/12 07:00 Analyzed: 05/31/12 10:22

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206965 Sequence: 2F04013 Calibration: 2E25004 Instrument: 328

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
67-64-1	Acetone	1	5.0	1.1	5.0	U
71-43-2	Benzene	1	1.0	0.11	1.0	U
75-27-4	Bromodichloromethane	1	1.0	0.13	1.0	U
75-25-2	Bromoform	1	1.0	0.26	1.0	U
74-83-9	Bromomethane	1	1.0	0.21	1.0	U
75-15-0	Carbon Disulfide	1	5.0	0.23	5.0	U
56-23-5	Carbon Tetrachloride	1	1.0	0.26	1.0	U
108-90-7	Chlorobenzene	1	1.0	0.17	1.0	U
75-00-3	Chloroethane	1	1.0	0.14	1.0	U
67-66-3	Chloroform	1	1.0	0.098	1.0	U
74-87-3	Chloromethane	1	1.0	0.29	1.0	U
110-82-7	Cyclohexane	1	5.0	0.18	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.13	1.0	U
124-48-1	Dibromochloromethane	1	1.0	0.15	1.0	U
106-93-4	1,2-Dibromoethane	1	1.0	0.15	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	0.24	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	0.24	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	0.25	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	0.21	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	0.18	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	0.21	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	0.21	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	0.12	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.20	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	0.28	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	0.19	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	0.19	1.0	U
100-41-4	Ethylbenzene	1	1.0	0.21	1.0	U
591-78-6	2-Hexanone	1	5.0	0.49	5.0	U
98-82-8	Isopropylbenzene	1	1.0	0.22	1.0	U
79-20-9	Methyl Acetate	1	5.0	0.42	5.0	U
1634-04-4	Methyl tert-Butyl Ether	1	1.0	0.19	1.0	U
108-87-2	Methylcyclohexane	1	5.0	0.37	5.0	U
75-09-2	Methylene Chloride	1	1.0	0.24	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106RCT

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205374-01 File ID: 1205374-01.D

Sampled: 05/18/12 09:30 Prepared: 05/31/12 07:00 Analyzed: 05/31/12 10:22

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206965 Sequence: 2F04013 Calibration: 2E25004 Instrument: 328

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
78-93-3	2-Butanone (MEK)	1	5.0	0.63	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	5.0	0.40	5.0	U
100-42-5	Styrene	1	1.0	0.20	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	0.26	1.0	U
127-18-4	Tetrachloroethene	1	1.0	0.23	1.0	U
108-88-3	Toluene	1	1.0	0.18	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	0.13	1.0	U
71-55-6	1,1,1-Trichloroethane	1	1.0	0.14	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	0.20	1.0	U
79-01-6	Trichloroethene	1	1.0	0.21	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	0.27	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	0.24	1.0	U
75-01-4	Vinyl Chloride	1	1.0	0.21	1.0	U
1330-20-7	Xylene (Total)	1	3.0	0.39	3.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	38.2	96	85 - 118	
1,2-Dichloroethane-d4	40.0	36.9	92	87 - 122	
Toluene-d8	40.0	38.8	97	85 - 113	
4-Bromofluorobenzene	40.0	38.8	97	82 - 110	

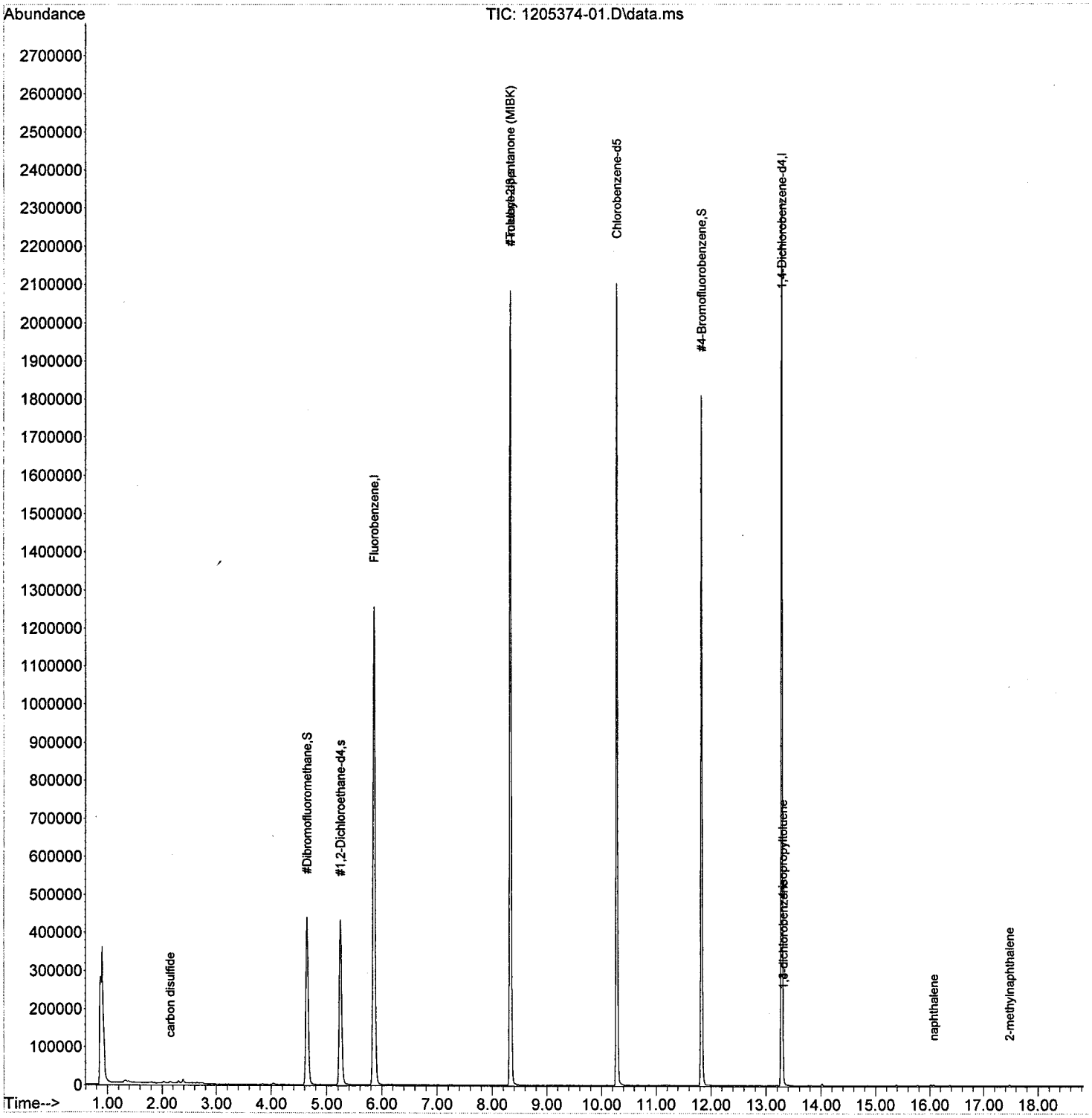
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	1582742	5.86	1251709	5.872	
Chlorobenzene-d5	1238817	10.28	977526	10.292	
1,4-Dichlorobenzene-d4	672650	13.285	588837	13.292	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : 1205374-01.D
Acq On : 31 May 2012 10:22
Operator : LEW
Sample : 1205374-01
Misc : TL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 31 10:49:53 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration



00620

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : 1205374-01.D
Acq On : 31 May 2012 10:22
Operator : LEW
Sample : 1205374-01
Misc : TL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 31 10:49:53 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.860	96	1582742	40.00 ug/L	-0.01
51) Chlorobenzene-d5	10.280	117	1238817	40.00 ug/L	-0.01
66) 1,4-Dichlorobenzene-d4	13.285	152	672650	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	4.641	111	412213	38.20 ug/L	-0.02
Spiked Amount 40.000			Recovery	= 95.50%	
37) #1,2-Dichloroethane-d4	5.244	67	241008	36.93 ug/L	-0.02
Spiked Amount 40.000			Recovery	= 92.33%	
47) #Toluene-d8	8.335	98	1527973	38.77 ug/L	-0.01
Spiked Amount 40.000			Recovery	= 96.93%	
65) #4-Bromofluorobenzene	11.828	95	606341	38.79 ug/L	0.00
Spiked Amount 40.000			Recovery	= 96.97%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.	
3) chloromethane	0.000		0	N.D.	
4) vinyl chloride	0.000		0	N.D.	
5) bromomethane	0.000		0	N.D.	
6) chloroethane	0.000		0	N.D.	
7) dichlorofluoromethane	0.000		0	N.D.	
8) trichlorofluoromethane	0.000		0	N.D.	
9) ethyl ether	0.000		0	N.D.	
10) acrolein	0.000		0	N.D.	
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.	
12) 1,1-dichloroethene	0.000		0	N.D.	
13) acetone	2.032	43	5282	Below Cal #	89
14) iodomethane	0.000		0	N.D.	
15) carbon disulfide	2.147	76	3994	0.13 ug/L #	75
16) methyl acetate	2.306	43	6320	Below Cal #	91
17) methylene chloride	2.391	49	5167	Below Cal	97
18) acrylonitrile	0.000		0	N.D.	
19) trans-1,2-dichloroethene	0.000		0	N.D.	
20) methyl (tert) butyl ether	0.000		0	N.D.	
21) 1,1-dichloroethane	0.000		0	N.D.	
22) vinyl acetate	0.000		0	N.D.	
23) 2,2-dichloropropane	0.000		0	N.D.	
24) cis-1,2-dichloroethene	0.000		0	N.D.	
25) 2-butanone (MEK)	0.000		0	N.D.	
26) bromochloromethane	0.000		0	N.D.	
27) tetrahydrofuran	0.000		0	N.D.	
28) chloroform	0.000		0	N.D.	
30) 1,1,1-trichloroethane	0.000		0	N.D.	
31) cyclohexane	0.000		0	N.D.	
32) carbon tetrachloride	0.000		0	N.D.	
33) 1,1-dichloropropene	0.000		0	N.D.	
34) benzene	0.000		0	N.D.	
35) 1,2-dichloroethane	0.000		0	N.D.	
36) heptane	5.854	57	50793	No Calib	
38) trichloroethene	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : 1205374-01.D
Acq On : 31 May 2012 10:22
Operator : LEW
Sample : 1205374-01
Misc : TL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 31 10:49:53 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.	
40)	1,2-dichloropropane	0.000		0	N.D.	
41)	dibromomethane	0.000		0	N.D.	
42)	1,4-dioxane	0.000		0	N.D.	
43)	bromodichloromethane	0.000		0	N.D.	
44)	2-chloroethyl vinyl ether	0.000		0	N.D.	
45)	cis-1,3-dichloropropene	0.000		0	N.D.	
46)	4-methyl-2-pentanone (...	8.335	43	5676	~~4.12~~ ug/L #	1
48)	toluene	0.000		0	N.D.	
49)	trans-1,3-dichloropropene	0.000		0	N.D.	
50)	1,1,2-trichloroethane	0.000		0	N.D.	
52)	tetrachloroethene	0.000		0	N.D.	
53)	1,3-dichloropropane	0.000		0	N.D.	
54)	2-hexanone (MBK)	0.000		0	N.D.	
55)	dibromochloromethane	0.000		0	N.D.	
56)	1,2-dibromoethane	0.000		0	N.D.	
57)	chlorobenzene	0.000		0	N.D.	
58)	1-chlorohexane	0.000		0	N.D.	
59)	1,1,1,2-tetrachloroethane	0.000		0	N.D.	
60)	ethylbenzene	0.000		0	N.D.	
61)	m+p-xylene	0.000		0	N.D.	
62)	o-xylene	0.000		0	N.D.	
63)	styrene	0.000		0	N.D.	
64)	bromoform	0.000		0	N.D.	
67)	isopropylbenzene	0.000		0	N.D.	
68)	bromobenzene	0.000		0	N.D.	
69)	1,1,2,2-tetrachloroethane	0.000		0	N.D.	
70)	1,2,3-trichloropropane	0.000		0	N.D.	
71)	1,4-dichloro-2-butene	0.000		0	N.D.	
72)	n-propylbenzene	0.000		0	N.D.	
73)	2-chlorotoluene	0.000		0	N.D.	
74)	1,3,5-trimethylbenzene	0.000		0	N.D.	
75)	4-chlorotoluene	0.000		0	N.D.	
76)	tert-butylbenzene	0.000		0	N.D.	
77)	1,2,4-trimethylbenzene	0.000		0	N.D.	
78)	sec-butylbenzene	0.000		0	N.D.	
79)	1,3-dichlorobenzene	13.310	146	1600	0.06 ug/L #	25
80)	4-isopropyltoluene	13.304	119	1242	0.03 ug/L #	51
81)	1,4-dichlorobenzene	13.310	146	1600	0.06 ug/L #	25
82)	1,2-dichlorobenzene	0.000		0	N.D.	
83)	n-butylbenzene	0.000		0	N.D.	
84)	hexachloroethane	0.000		0	N.D.	
85)	1,2-dibromo-3-chloropr...	0.000		0	N.D.	
86)	1,2,4-trichlorobenzene	0.000		0	N.D.	
87)	hexachlorobutadiene	0.000		0	N.D.	
88)	naphthalene	16.071	128	3298	4.00 ug/L #	77
89)	1,2,3-trichlorobenzene	0.000		0	N.D.	
90)	2-methylnaphthalene	17.474	142	1496	6.41 ug/L #	17

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

INITIAL CALIBRATION DATA
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E22009

SDG: KNM050712
Project: KNM
Calibration Date: 05/18/12 00:00
Instrument: 224

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	~~0.1662993~~	5	6.973915E-02	10	5.703677E-02	20	5.998231E-02	40	4.777751E-02	100	5.500348E-02
Benzene	1	0.815849	5	0.8659034	10	0.8449674	20	0.9248034	40	0.9538755	100	0.9420979
Bromodichloromethane	1	0.2174873	5	0.2239194	10	0.2226512	20	0.2485667	40	0.2657084	100	0.2710915
Bromoform	1	9.738384E-02	5	0.1114351	10	0.1191815	20	0.1412795	40	0.1548439	100	0.1720544
Bromomethane	1	0.1280934	5	0.1251758	10	0.1094813	20	0.1033068	40	9.707712E-02	100	0.1030803
Carbon Disulfide	1	0.5965847	5	0.6423835	10	0.5581136	20	0.5840401	40	0.5624889	100	0.5855001
Carbon Tetrachloride	1	0.1764185	5	0.2123059	10	0.212843	20	0.246041	40	0.26657	100	0.2747995
Chlorobenzene	1	0.7642957	5	0.7947759	10	0.7583648	20	0.8258692	40	0.8461483	100	0.8310493
Chloroethane	1	0.1648678	5	0.1503318	10	0.1403793	20	0.1485351	40	0.1509575	100	0.1462887
Chloroform	1	0.3163093	5	0.3363711	10	0.3236307	20	0.3546497	40	0.3667132	100	0.3657619
Chloromethane	1	0.209935	5	0.2160277	10	0.205854	20	0.2148292	40	0.2209121	100	0.216017
Cyclohexane	1	0.3044625	5	0.3428208	10	0.3361893	20	0.4046764	40	0.4212395	100	0.4195443
1,2-Dibromo-3-chloropropane	1	1.121656E-02	5	6.665315E-02	10	7.805783E-02	20	9.260215E-02	40	0.1009277	100	0.1168379
Dibromochloromethane	1	0.1663996	5	0.1911789	10	0.2011929	20	0.2316736	40	0.2492498	100	0.2634703
1,2-Dibromoethane	1	0.1559586	5	0.1746874	10	0.1787559	20	0.2036081	40	0.2101266	100	0.2170869
1,2-Dichlorobenzene	1	0.9063985	5	0.9379612	10	0.9669083	20	1.052733	40	1.09047	100	1.082518
1,3-Dichlorobenzene	1	0.9805034	5	1.029167	10	1.017632	20	1.08781	40	1.13789	100	1.125144
1,4-Dichlorobenzene	1	1.103633	5	1.09265	10	1.037944	20	1.133615	40	1.160481	100	1.149769
Dichlorodifluoromethane	1	0.2084048	5	0.2100943	10	0.2046359	20	0.2338898	40	0.2361209	100	0.2275406
1,1-Dichloroethane	1	0.3323519	5	0.3538789	10	0.342697	20	0.3732115	40	0.3920313	100	0.3906546
1,2-Dichloroethane	1	0.2341222	5	0.2418851	10	0.2420416	20	0.2664512	40	0.2699996	100	0.2674522
1,1-Dichloroethene	1	0.1753819	5	0.1875591	10	0.1737183	20	0.2034299	40	0.2091025	100	0.2087727
cis-1,2-Dichloroethene	1	0.1929053	5	0.2167974	10	0.2085651	20	0.2289903	40	0.2394717	100	0.238994
trans-1,2-Dichloroethene	1	0.1811572	5	0.2008581	10	0.1908937	20	0.2123637	40	0.2212296	100	0.2207659
1,2-Dichloropropane	1	0.1797751	5	0.1946324	10	0.1943562	20	0.215222	40	0.2231431	100	0.2243219
cis-1,3-Dichloropropene	1	0.1636832	5	0.192148	10	0.2047931	20	0.2468773	40	0.2757862	100	0.2985968
trans-1,3-Dichloropropene	1	0.101833	5	0.1390301	10	0.1527071	20	0.1959662	40	0.229652	100	0.2575619
Ethylbenzene	1	1.152386	5	1.310149	10	1.270302	20	1.422452	40	1.468475	100	1.453833
2-Hexanone	1	~~7.466313E-02~~	5	0.1040896	10	0.1125651	20	0.1402672	40	0.1319252	100	0.1588747
Isopropylbenzene	1	1.68387	5	1.95425	10	1.94409	20	2.209564	40	2.266826	100	2.27553
Methyl Acetate	1	~~0.2183265~~	5	0.1395173	10	0.123091	20	0.1303372	40	0.1276487	100	0.1349458

INITIAL CALIBRATION DATA
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E22009

SDG: KNM050712

Project: KNM

Calibration Date: 05/18/12 00:00

Instrument: 224

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl tert-Butyl Ether	1	0.3786531	5	0.3909114	10	0.4021453	20	0.4643285	40	0.4854268	100	0.5082433
Methylcyclohexane	1	0.2760302	5	0.3029629	10	0.3055075	20	0.3646994	40	0.3780549	100	0.3782761
Methylene Chloride	1	0.3748029	5	0.2804083	10	0.269364	20	0.2845213	40	0.2875655	100	0.2811404
2-Butanone (MEK)	1	~~0.1151113~~	5	6.741061E-02	10	5.436985E-02	20	6.341414E-02	40	5.761417E-02	100	7.030427E-02
4-Methyl-2-pentanone (MIBK)	1	~~0.1036101~~	5	0.1332819	10	0.1277225	20	0.1504366	40	0.1468009	100	0.173249
Styrene	1	0.6700638	5	0.8037654	10	0.8197144	20	0.9119088	40	0.9506689	100	0.9474443
1,1,2,2-Tetrachloroethane	1	0.452317	5	0.4594447	10	0.4696945	20	0.5031423	40	0.5101395	100	0.5223312
Tetrachloroethene	1	0.3242626	5	0.3526365	10	0.3330571	20	0.3735356	40	0.3890388	100	0.3816992
Toluene	1	0.8531664	5	0.9235127	10	0.896739	20	0.9934352	40	1.018997	100	1.009659
1,2,4-Trichlorobenzene	1	0.416903	5	0.4836777	10	0.4727975	20	0.5431499	40	0.591164	100	0.6092371
1,1,1-Trichloroethane	1	0.2098363	5	0.2535376	10	0.2435887	20	0.2838851	40	0.3030809	100	0.3104587
1,1,2-Trichloroethane	1	0.1137786	5	0.122292	10	0.1251734	20	0.1407098	40	0.1445577	100	0.1463724
Trichloroethene	1	0.2091946	5	0.2287908	10	0.2172731	20	0.2481883	40	0.2567116	100	0.2572659
Trichlorofluoromethane	1	0.2544592	5	0.2826881	10	0.2785485	20	0.3186324	40	0.3252131	100	0.3176969
1,1,2-Trichloro-1,2,2-trifluoro	1	0.1638806	5	0.1737146	10	0.1670976	20	0.1948383	40	0.2002293	100	0.1974463
Vinyl Chloride	1	0.1965087	5	0.215638	10	0.2086289	20	0.238047	40	0.2455879	100	0.2408509
Xylene (Total)	3	0.4291543	15	0.5022082	30	0.4901228	60	0.5470611	120	0.5662251	300	0.5647799
Dibromofluoromethane	40	0.224994	40	0.2252188	40	0.225625	40	0.2281384	40	0.2302652	40	0.2329516
1,2-Dichloroethane-d4	40	0.2514827	40	0.2527764	40	0.2505519	40	0.2533168	40	0.2541291	40	0.2550856
Toluene-d8	40	0.9852421	40	0.9877326	40	0.9890352	40	0.9982371	40	0.9984561	40	0.9985566
4-Bromofluorobenzene	40	0.4635139	40	0.4733725	40	0.471672	40	0.4763471	40	0.4727311	40	0.4728292

INITIAL CALIBRATION DATA (Continued)
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E22009

SDG: KNM050712
Project: KNM
Calibration Date: 05/18/12 00:00
Instrument: 224

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	5.094647E-02										
Benzene	200	0.9428516										
Bromodichloromethane	200	0.2760533										
Bromoform	200	0.1798578										
Bromomethane	200	0.1129247										
Carbon Disulfide	200	0.6122158										
Carbon Tetrachloride	200	0.2814295										
Chlorobenzene	200	0.8253971										
Chloroethane	200	0.1436482										
Chloroform	200	0.3684349										
Chloromethane	200	0.2113481										
Cyclohexane	200	0.4177441										
1,2-Dibromo-3-chloropropane	200	0.1217527										
Dibromochloromethane	200	0.2705311										
1,2-Dibromoethane	200	0.2180994										
1,2-Dichlorobenzene	200	1.071455										
1,3-Dichlorobenzene	200	1.109047										
1,4-Dichlorobenzene	200	1.138455										
Dichlorodifluoromethane	200	0.2235948										
1,1-Dichloroethane	200	0.3976631										
1,2-Dichloroethane	200	0.2691373										
1,1-Dichloroethene	200	0.2116308										
cis-1,2-Dichloroethene	200	0.2405655										
trans-1,2-Dichloroethene	200	0.2233982										
1,2-Dichloropropane	200	0.2280531										
cis-1,3-Dichloropropene	200	0.311967										
trans-1,3-Dichloropropene	200	0.275535										
Ethylbenzene	200	1.447908										
2-Hexanone	200	0.1667832										
Isopropylbenzene	200	2.239621										
Methyl Acetate	200	0.1388066										

INITIAL CALIBRATION DATA (Continued)
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E22009

SDG: KNM050712
Project: KNM
Calibration Date: 05/18/12 00:00
Instrument: 224

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl tert-Butyl Ether	200	0.5137287										
Methylcyclohexane	200	0.3741347										
Methylene Chloride	200	0.2796617										
2-Butanone (MEK)	200	7.448269E-02										
4-Methyl-2-pentanone (MIBK)	200	0.1845759										
Styrene	200	0.9466368										
1,1,2,2-Tetrachloroethane	200	0.5239838										
Tetrachloroethene	200	0.379403										
Toluene	200	1.004586										
1,2,4-Trichlorobenzene	200	0.6074111										
1,1,1-Trichloroethane	200	0.3189035										
1,1,2-Trichloroethane	200	0.1475181										
Trichloroethene	200	0.2576263										
Trichlorofluoromethane	200	0.3176451										
1,1,2-Trichloro-1,2,2-trifluoro	200	0.1980018										
Vinyl Chloride	200	0.2395824										
Xylene (Total)	600	0.5570251										
Dibromofluoromethane	40	0.2352711										
1,2-Dichloroethane-d4	40	0.2567942										
Toluene-d8	40	0.9981274										
4-Bromofluorobenzene	40	0.4747694										

INITIAL CALIBRATION DATA (Continued)
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E22009

SDG: KNM050712
Project: KNM
Calibration Date: 05/18/12 00:00
Instrument: 224

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acetone	5.674761E-02	13.56965	2.44	1.602522E-02			15	
Benzene	0.8986212	6.160056	6.111429	5.820404E-02			15	
Bromodichloromethane	0.2464968	10.1715	7.92	1.413496E-02			15	
Bromoform	0.1394337	22.49224	11.88	4.548946E-02	0.99926		SPCC (0.1)	
Bromomethane	0.1113056	10.46612	1.668571	0.640899			15	
Carbon Disulfide	0.5916181	4.924094	2.581428	0.1468713			15	
Carbon Tetrachloride	0.2386296	16.41283	5.757143	0.1303381	0.99983		0.99	
Chlorobenzene	0.8065572	4.277748	10.83	1.916913E-02			SPCC (0.3)	
Chloroethane	0.1492869	5.241275	1.74	8.042305E-03			15	
Chloroform	0.3474101	6.282703	5.214286	0.102275			CCC (30)	
Chloromethane	0.2135604	2.303562	1.395714	0.3828367			SPCC (0.1)	
Cyclohexane	0.3780967	12.90296	5.552857	8.697739E-02			15	
1,2-Dibromo-3-chloropropane	8.400686E-02	44.79841	15.2	6.79932E-03	0.99913		0.99	
Dibromochloromethane	0.2248137	17.54056	10.06	1.793669E-02	0.99975		0.99	
1,2-Dibromoethane	0.1940461	12.47982	10.17143	3.773073E-02			15	
1,2-Dichlorobenzene	1.015492	7.510975	14.22286	3.303224E-02			15	
1,3-Dichlorobenzene	1.069599	5.649679	13.66	5.490682E-03			15	
1,4-Dichlorobenzene	1.11665	3.785577	13.77	0.0122333			15	
Dichlorodifluoromethane	0.2206116	5.818441	1.211429	0.3123854			15	
1,1-Dichloroethane	0.3689269	7.087515	3.698571	0.2431685			SPCC (0.1)	
1,2-Dichloroethane	0.2558699	6.141333	6.17	9.387217E-02			15	
1,1-Dichloroethene	0.1956565	8.414662	2.382857	0.2048988			CCC (30)	
cis-1,2-Dichloroethene	0.2237556	8.200411	4.595714	0.117771			15	
trans-1,2-Dichloroethene	0.2072381	8.012244	3.162857	0.1542135			15	
1,2-Dichloropropane	0.2085005	8.993553	7.49	1.502057E-02			CCC (30)	
cis-1,3-Dichloropropene	0.2419788	23.41821	8.56	1.710302E-02	0.99940		0.99	
trans-1,3-Dichloropropene	0.1931836	33.53366	9.341429	4.139518E-02	0.99869		0.99	
Ethylbenzene	1.360786	8.789275	11	0			CCC (30)	
2-Hexanone	0.1357508	18.26153	9.95	1.299104E-02	0.99885		0.99	
Isopropylbenzene	2.081964	10.8573	12.12857	2.951508E-02			15	
Methyl Acetate	0.1323911	4.91455	2.768333	0.1467259			15	
Methyl tert-Butyl Ether	0.4490624	12.7858	3.171429	0.1194234			15	

INITIAL CALIBRATION DATA (Continued)
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E22009

SDG: KNM050712
Project: KNM
Calibration Date: 05/18/12 00:00
Instrument: 224

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Methylcyclohexane	0.3399522	12.78947	7.418571	4.900326E-02			15	
Methylene Chloride	0.2939234	12.285	2.865714	0.1871842			15	
2-Butanone (MEK)	6.459929E-02	11.84948	4.653333	0.1121754			15	
4-Methyl-2-pentanone (MIBK)	0.1526778	14.58459	8.82	1.724867E-02			15	
Styrene	0.8643146	12.20775	11.67	1.318029E-02			15	
1,1,2,2-Tetrachloroethane	0.491579	6.17413	12.52857	3.686451E-02			SPCC (0.3)	
Tetrachloroethene	0.3619475	7.047971	9.711429	4.312876E-02			15	
Toluene	0.9571565	6.843331	8.997143	5.535942E-02			CCC (30)	
1,2,4-Trichlorobenzene	0.5320486	14.22418	16.22429	2.952538E-02			15	
1,1,1-Trichloroethane	0.2747558	14.66831	5.477143	0.1377573			15	
1,1,2-Trichloroethane	0.1343431	10.14887	9.561429	0.039188			15	
Trichloroethene	0.2392929	8.60294	7.16	1.047524E-02			15	
Trichlorofluoromethane	0.299269	9.087225	1.942857	0.2507713			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1850298	8.67693	2.38	0.2427088			15	
Vinyl Chloride	0.2264063	8.479779	1.43	2.272325E-02			CCC (30)	
Xylene (Total)	0.5223681	9.782625	11.65	1.525832E-02			15	
Dibromofluoromethane	0.2289234	1.77419	5.495714	9.656147E-02			15	
1,2-Dichloroethane-d4	0.2534481	0.8379916	6.042857	7.758535E-02			15	
Toluene-d8	0.9936267	0.6028359	8.91	1.873922E-02			15	
4-Bromofluorobenzene	0.4721765	0.8714155	12.3	1.723689E-02			15	

Response Factor Report 224

2E22009

Method Path : C:\MSDCHEM\3\METHODS\
Method File : 8260B-B25.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Mon May 21 07:20:44 2012
Response Via : Initial Calibration

Calibration Files
1 =1P0518.D 2 =5P0518A.D 3 =10P0518.D
4 =20P0518.D 5 =40P0518.D 6 =100P0518.D
7 =200P0518.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Fluorobenzene		ISTD							
2)		dichlorodifluor	0.208	0.210	0.205	0.234	0.236	0.228	0.224	0.221	5.82
3)	P	chloromethane	0.210	0.216	0.206	0.215	0.221	0.216	0.211	0.214	2.30
4)	C	vinyl chloride	0.197	0.216	0.209	0.238	0.246	0.241	0.240	0.226	8.48#
5)		bromomethane	0.128	0.125	0.109	0.103	0.097	0.103	0.113	0.111	10.47
6)		chloroethane	0.165	0.150	0.140	0.149	0.151	0.146	0.144	0.149	5.24
7)		dichlorofluorom	0.325	0.337	0.324	0.352	0.358	0.347	0.340	0.340	3.79
8)		trichlorofluoro	0.254	0.283	0.279	0.319	0.325	0.318	0.318	0.299	9.09
9)		ethyl ether	0.091	0.089	0.097	0.096	0.113	0.102	0.119	0.101	11.03
10)		acrolein		0.018	0.019	0.021	0.022	0.023	0.025	0.021	12.98
11)		1,1,2-trichloro	0.164	0.174	0.167	0.195	0.200	0.197	0.198	0.185	8.68
12)	C	1,1-dichloroeth	0.175	0.188	0.174	0.203	0.209	0.209	0.212	0.196	8.41#
13)		acetone		0.070	0.057	0.060	0.048	0.055	0.051	0.057	13.57
14)		iodomethane	0.063	0.131	0.125	0.185	0.234	0.281	0.294	-----	
								L	M= 0.300	R=0.999	
									B= -0.038		
15)		carbon disulfid	0.597	0.642	0.558	0.584	0.562	0.586	0.612	0.592	4.92
16)		methyl acetate		0.140	0.123	0.130	0.128	0.135	0.139	0.132	4.91
17)		methylene chlor	0.375	0.280	0.269	0.285	0.288	0.281	0.280	0.294	12.28
18)		acrylonitrile	0.045	0.055	0.058	0.067	0.069	0.073	0.074	-----	
								L	M= 0.075	R=1.000	
									B= -0.003		
19)		trans-1,2-dichl	0.181	0.201	0.191	0.212	0.221	0.221	0.223	0.207	8.01
20)		methyl (tert) b	0.379	0.391	0.402	0.464	0.485	0.508	0.514	0.449	12.79
21)	P	1,1-dichloroeth	0.332	0.354	0.343	0.373	0.392	0.391	0.398	0.369	7.09
22)		vinyl acetate	0.234	0.320	0.297	0.299	0.298	0.350	0.393	-----	
								L	M= 0.392	R=0.996	
									B= -0.040		
23)		2,2-dichloropro	0.107	0.150	0.139	0.161	0.181	0.194	0.194	-----	
								L	M= 0.196	R=1.000	
									B= -0.010		
24)		cis-1,2-dichlor	0.193	0.217	0.209	0.229	0.239	0.239	0.241	0.224	8.20
25)		2-butanone (MEK		0.067	0.054	0.063	0.058	0.070	0.074	0.065	11.85
26)		bromochlorometh	0.164	0.171	0.167	0.181	0.185	0.179	0.173	0.174	4.49
27)		tetrahydrofuran		0.013	0.015	0.018	0.019	0.022	0.023	-----	
								L	M= 0.023	R=0.999	
									B= -0.003		
28)	C	chloroform	0.316	0.336	0.324	0.355	0.367	0.366	0.368	0.347	6.28#
29)	S	#Dibromofluorom	0.225	0.225	0.226	0.228	0.230	0.233	0.235	0.229	1.77
30)		1,1,1-trichloro	0.210	0.254	0.244	0.284	0.303	0.310	0.319	0.275	14.67
31)		cyclohexane	0.304	0.343	0.336	0.405	0.421	0.420	0.418	0.378	12.90
32)		carbon tetrachl	0.176	0.212	0.213	0.246	0.267	0.275	0.281	-----	
								L	M= 0.283	R=1.000	
									B= -0.013		
33)		1,1-dichloropro	0.239	0.271	0.260	0.303	0.317	0.317	0.320	0.289	11.28
34)		benzene	0.816	0.866	0.845	0.925	0.954	0.942	0.943	0.899	6.16
35)		1,2-dichloroeth	0.234	0.242	0.242	0.266	0.270	0.267	0.269	0.256	6.14
36)		heptane								0.000	-1.00
37)	s	#1,2-Dichloroet	0.251	0.253	0.251	0.253	0.254	0.255	0.257	0.253	0.84
38)		trichloroethene	0.209	0.229	0.217	0.248	0.257	0.257	0.258	0.239	8.60
39)		methylcyclohexa	0.276	0.303	0.306	0.365	0.378	0.378	0.374	0.340	12.79
40)	C	1,2-dichloropro	0.180	0.195	0.194	0.215	0.223	0.224	0.228	0.209	8.99#
41)		dibromomethane	0.093	0.098	0.101	0.109	0.114	0.114	0.116	0.106	8.61
42)		1,4-dioxane								0.000	-1.00
43)		bromodichlorome	0.217	0.224	0.223	0.249	0.266	0.271	0.276	0.246	10.17

Response Factor Report 224

Method Path : C:\MSDCHEM\3\METHODS\
Method File : 8260B-B25.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Mon May 21 07:20:44 2012
Response Via : Initial Calibration

44)		2-chloroethyl v		0.063	0.059	0.067	0.063	0.068	0.062	0.064	5.35
45)		cis-1,3-dichlor	0.164	0.192	0.205	0.247	0.276	0.299	0.312	-----	
								L	M=	0.315	R=0.999
									B=	-0.025	
46)		4-methyl-2-pent		0.133	0.128	0.150	0.147	0.173	0.185	0.153	14.58
47)	s	#Toluene-d8	0.985	0.988	0.989	0.998	0.998	0.999	0.998	0.994	0.60
48)	C	toluene	0.853	0.924	0.897	0.993	1.019	1.010	1.005	0.957	6.84#
49)		trans-1,3-dichl	0.102	0.139	0.153	0.196	0.230	0.258	0.276	-----	
								L	M=	0.278	R=0.999
									B=	-0.030	
50)		1,1,2-trichloro	0.114	0.122	0.125	0.141	0.145	0.146	0.148	0.134	10.15
51)		Chlorobenzene-d5		----------ISTD----------							
52)		tetrachloroethe	0.324	0.353	0.333	0.374	0.389	0.382	0.379	0.362	7.05
53)		1,3-dichloropro	0.332	0.363	0.368	0.409	0.424	0.423	0.421	0.392	9.41
54)		2-hexanone (MBK		0.104	0.113	0.140	0.132	0.159	0.167	-----	
								L	M=	0.169	R=0.999
									B=	-0.019	
55)		dibromochlorome	0.166	0.191	0.201	0.232	0.249	0.263	0.271	-----	
								L	M=	0.272	R=1.000
									B=	-0.015	
56)		1,2-dibromoetha	0.156	0.175	0.179	0.204	0.210	0.217	0.218	0.194	12.48
57)		chlorobenzene	0.764	0.795	0.758	0.826	0.846	0.831	0.825	0.807	4.28
58)		1-chlorohexane	0.232	0.256	0.249	0.287	0.296	0.292	0.287	0.271	9.24
59)		1,1,1,2-tetrach	0.188	0.213	0.217	0.248	0.265	0.273	0.278	0.240	14.41
60)	C	ethylbenzene	1.152	1.310	1.270	1.422	1.468	1.454	1.448	1.361	8.79#
61)		m+p-xylene	0.448	0.519	0.503	0.559	0.577	0.575	0.566	0.535	8.94
62)		o-xylene	0.392	0.469	0.464	0.522	0.545	0.545	0.539	0.497	11.62
63)		styrene	0.670	0.804	0.820	0.912	0.951	0.947	0.947	0.864	12.21
64)	P	bromoform	0.097	0.111	0.119	0.141	0.155	0.172	0.180	-----	
								L	M=	0.181	R=0.999
									B=	-0.015	
65)	S	#4-Bromofluorob	0.464	0.473	0.472	0.476	0.473	0.473	0.475	0.472	0.87
66)	I	1,4-Dichlorobenzene-d		----------ISTD----------							
67)		isopropylbenzen	1.684	1.954	1.944	2.210	2.267	2.276	2.240	2.082	10.86
68)		bromobenzene	0.875	0.861	0.866	0.926	0.946	0.944	0.939	0.908	4.31
69)	P	1,1,2,2-tetrach	0.452	0.459	0.470	0.503	0.510	0.522	0.524	0.492	6.17
70)		1,2,3-trichloro	0.130	0.141	0.147	0.159	0.162	0.167	0.166	0.153	9.22
71)		1,4-dichloro-2-	0.062	0.099	0.085	0.097	0.100	0.119	0.131	-----	
								L	M=	0.132	R=0.997
									B=	-0.014	
72)		n-propylbenzene	0.474	0.577	0.560	0.634	0.655	0.654	0.651	0.601	11.27
73)		2-chlorotoluene	0.471	0.521	0.508	0.560	0.578	0.574	0.565	0.540	7.50
74)		1,3,5-trimethyl	1.343	1.616	1.612	1.794	1.851	1.850	1.840	1.701	11.16
75)		4-chlorotoluene	0.475	0.551	0.517	0.577	0.599	0.596	0.585	0.557	8.28
76)		tert-butylbenze	1.146	1.330	1.319	1.501	1.565	1.565	1.542	1.424	11.35
77)		1,2,4-trimethyl	1.350	1.625	1.632	1.819	1.887	1.878	1.866	1.722	11.56
78)		sec-butylbenzen	1.501	1.771	1.755	2.016	2.085	2.107	2.067	1.900	12.07
79)		1,3-dichloroben	0.981	1.029	1.018	1.088	1.138	1.125	1.109	1.070	5.65
80)		4-isopropyltolu	1.408	1.564	1.503	1.719	1.793	1.817	1.810	1.659	10.01
81)		1,4-dichloroben	1.104	1.093	1.038	1.134	1.160	1.150	1.138	1.117	3.79
82)		1,2-dichloroben	0.906	0.938	0.967	1.053	1.090	1.083	1.071	1.015	7.51
83)		n-butylbenzene	0.868	1.130	1.113	1.305	1.380	1.405	1.405	-----	
								L	M=	1.414	R=1.000
									B=	-0.041	
84)		hexachloroethan	0.087	0.138	0.146	0.174	0.199	0.227	0.240	-----	
								L	M=	0.243	R=0.999
									B=	-0.025	
85)		1,2-dibromo-3-c	0.011	0.067	0.078	0.093	0.101	0.117	0.122	-----	
								L	M=	0.123	R=0.999
									B=	-0.012	
86)		1,2,4-trichloro	0.417	0.484	0.473	0.543	0.591	0.609	0.607	0.532	14.22

Response Factor Report 224

Method Path : C:\MSDCHEM\3\METHODS\
Method File : 8260B-B25.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Mon May 21 07:20:44 2012
Response Via : Initial Calibration

87)	hexachlorobutad	0.213	0.246	0.220	0.246	0.259	0.256	0.261	0.243	7.83
88)	naphthalene		0.879	0.934	1.147	1.237	1.345	1.345	-----	
							L	M= 1.367	R=1.000	
								B= -0.095		
89)	1,2,3-trichloro	0.345	0.398	0.395	0.455	0.481	0.504	0.500	0.440	13.91
90)	2-methylnaphtha		0.216	0.194	0.259	0.303	0.370	0.366	-----	
							L	M= 0.377	R=0.999	
								B= -0.044		

Total Average %RSD 8.63

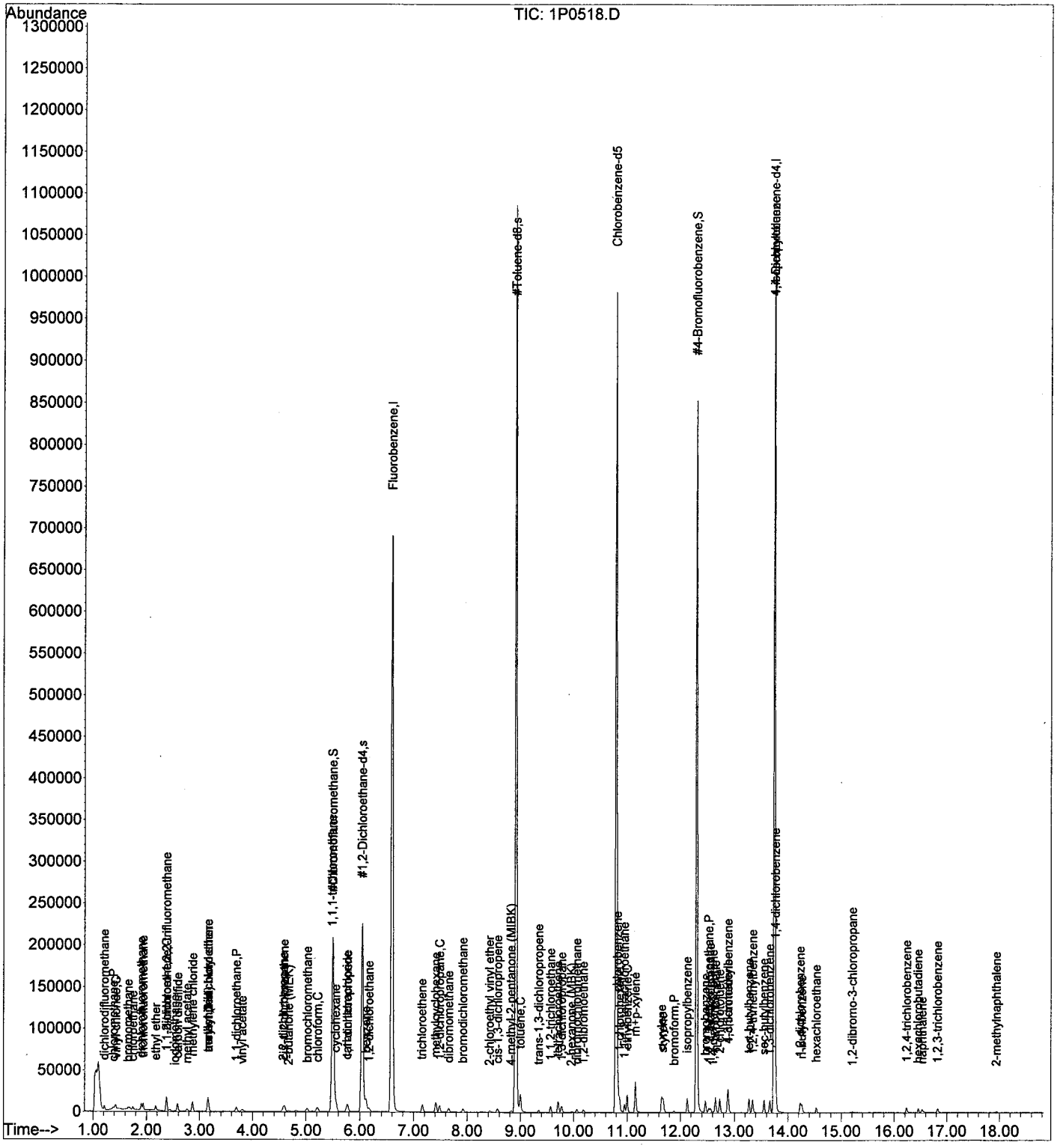
L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

8260B-B25.M Fri May 25 10:57:36 2012

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 1P0518.D
InstName : 224
Acq On : 18 May 2012 11:42 am
Operator : DLV
Sample : CAL1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 18 12:01:55 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration



00632

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 1P0518.D
InstName : 224
Acq On : 18 May 2012 11:42 am
Operator : DLV
Sample : CAL1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 18 12:01:55 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	810346	40.00 ug/L	0.00 64.00%
51) Chlorobenzene-d5	10.80	117	609136	40.00 ug/L	0.00 59.25%
66) 1,4-Dichlorobenzene-d4	13.74	152	317388	40.00 ug/L	0.00 55.20%
System Monitoring Compounds					
29) #Dibromofluoromethane	5.49	111	182323	37.95 ug/L	0.00
Spiked Amount 40.000			Recovery =	94.88%	
37) #1,2-Dichloroethane-d4	6.04	65	203788	36.51 ug/L	0.00
Spiked Amount 40.000			Recovery =	91.27%	
47) #Toluene-d8	8.91	98	798387	38.68 ug/L	0.00
Spiked Amount 40.000			Recovery =	96.70%	
65) #4-Bromofluorobenzene	12.30	95	282343	38.17 ug/L	0.00
Spiked Amount 40.000			Recovery =	95.43%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.21	85	4222	0.72 ug/L	96
3) chloromethane	1.39	50	4253	0.86 ug/L	74
4) vinyl chloride	1.43	62	3981	0.74 ug/L #	1
5) bromomethane	1.66	94	2595	0.18 ug/L	93
6) chloroethane	1.74	64	3340	1.04 ug/L	100
7) dichlorofluoromethane	1.90	67	6576	0.90 ug/L	99
8) trichlorofluoromethane	1.94	101	5155	0.71 ug/L	97
9) ethyl ether	2.18	74	1838	0.85 ug/L	91
10) acrolein	0.00	56	0	N.D.	
11) 1,1,2-trichloro-1,2,2-trif	2.37	101	3320	0.78 ug/L	93
12) 1,1-dichloroethene	2.38	96	3553	0.85 ug/L	89
13) acetone	2.44	43	3369	Below Cal	93
14) iodomethane	2.53	142	1276	4.86 ug/L #	100
15) carbon disulfide	2.58	76	12086	1.27 ug/L	98
16) methyl acetate	2.76	43	4423	1.19 ug/L #	94
17) methylene chloride	2.86	49	7593	0.49 ug/L	99
18) acrylonitrile	3.16	53	911	0.54 ug/L #	55
19) trans-1,2-dichloroethene	3.16	96	3670	0.77 ug/L	96
20) methyl (tert) butyl ether	3.17	73	7671	0.68 ug/L	99
21) 1,1-dichloroethane	3.69	63	6733	0.79 ug/L	99
22) vinyl acetate	3.80	43	4738	1.84 ug/L #	86
23) 2,2-dichloropropane	4.57	77	2164	0.63 ug/L	65
24) cis-1,2-dichloroethene	4.59	96	3908	0.76 ug/L	94
25) 2-butanone (MEK)	4.68	43	2332	1.46 ug/L	83
26) bromochloromethane	5.02	49	3317	0.83 ug/L	91
27) tetrahydrofuran	0.00	71	0	N.D.	
28) chloroform	5.22	83	6408	0.80 ug/L	97
30) 1,1,1-trichloroethane	5.47	97	4251	0.67 ug/L	98
31) cyclohexane	5.55	56	6168	0.67 ug/L	98
32) carbon tetrachloride	5.75	117	3574	2.90 ug/L	97
33) 1,1-dichloropropene	5.78	75	4846	0.71 ug/L	98
34) benzene	6.11	78	16528	0.80 ug/L #	97
35) 1,2-dichloroethane	6.17	62	4743	0.75 ug/L	88
36) heptane	6.60	57	26440	No Calib #	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 1P0518.D
InstName : 224
Acq On : 18 May 2012 11:42 am
Operator : DLV
Sample : CAL1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 18 12:01:55 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

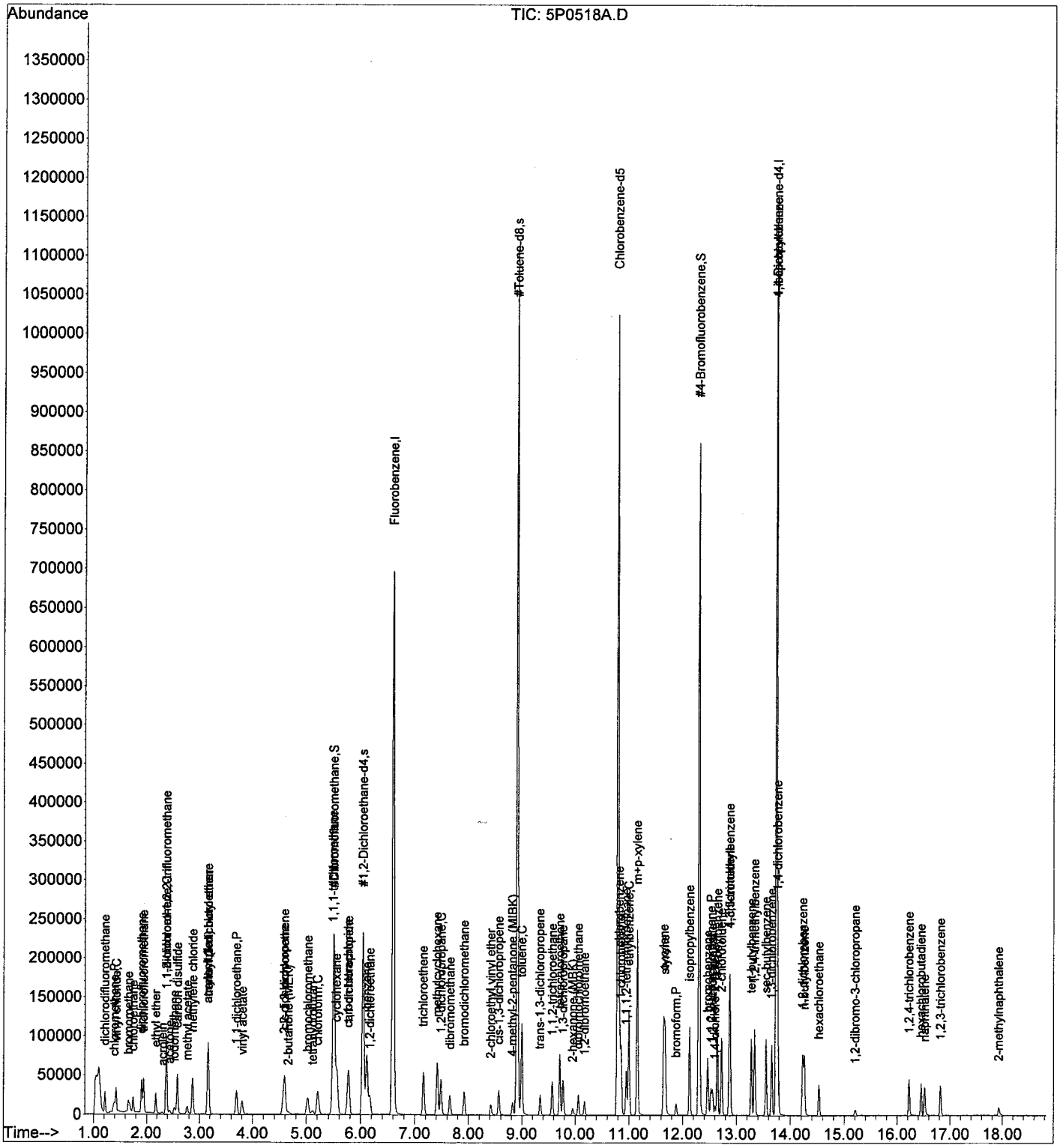
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	4238	0.76 ug/L	98
39) methylcyclohexane	7.42	83	5592	0.68 ug/L	96
40) 1,2-dichloropropane	7.49	63	3642	0.77 ug/L #	98
41) dibromomethane	7.66	93	1883	0.74 ug/L	91
42) 1,4-dioxane	0.00	88	0	N.D.	
43) bromodichloromethane	7.92	83	4406	0.81 ug/L	92
44) 2-chloroethyl vinyl ether	8.42	63	823	0.49 ug/L #	47
45) cis-1,3-dichloropropene	8.56	75	3316	3.75 ug/L	89
46) 4-methyl-2-pentanone (MIBK	8.82	43	2099	0.59 ug/L #	85
48) toluene	9.00	91	17284	0.78 ug/L	94
49) trans-1,3-dichloropropene	9.35	75	2063	4.74 ug/L	80
50) 1,1,2-trichloroethane	9.57	83	2305	0.72 ug/L	94
52) tetrachloroethene	9.71	166	4938	0.82 ug/L	98
53) 1,3-dichloropropane	9.78	76	5053	0.77 ug/L	98
54) 2-hexanone (MBK)	9.95	43	1137	0.49 ug/L #	40
55) dibromochloromethane	10.06	129	2534	3.03 ug/L	92
56) 1,2-dibromoethane	10.18	109	2375	0.73 ug/L #	96
57) chlorobenzene	10.83	112	11639	0.90 ug/L	99
58) 1-chlorohexane	10.86	55	3537	0.75 ug/L	95
59) 1,1,1,2-tetrachloroethane	10.95	131	2863	2.57 ug/L	98
60) ethylbenzene	11.00	91	17549	0.79 ug/L	98
61) m+p-xylene	11.16	106	13641	1.57 ug/L	95
62) o-xylene	11.65	106	5965	0.74 ug/L	99
63) styrene	11.67	104	10204	0.73 ug/L	99
64) bromoform	11.89	173	1483	4.18 ug/L #	81
67) isopropylbenzene	12.13	105	13361	0.76 ug/L	98
68) bromobenzene	12.47	77	6939	0.93 ug/L	97
69) 1,1,2,2-tetrachloroethane	12.53	83	3589	0.84 ug/L #	99
70) 1,2,3-trichloropropane	12.56	110	1033	0.74 ug/L #	64
71) 1,4-dichloro-2-butene	12.61	53	495	3.47 ug/L #	66
72) n-propylbenzene	12.65	120	3764	0.74 ug/L	92
73) 2-chlorotoluene	12.73	126	3734	0.84 ug/L #	89
74) 1,3,5-trimethylbenzene	12.88	105	10655	0.75 ug/L	99
75) 4-chlorotoluene	12.88	126	3770	0.82 ug/L	97
76) tert-butylbenzene	13.28	119	9093	0.75 ug/L	98
77) 1,2,4-trimethylbenzene	13.34	105	10711	0.75 ug/L	98
78) sec-butylbenzene	13.55	105	11910	0.74 ug/L	99
79) 1,3-dichlorobenzene	13.66	146	7780	0.87 ug/L	97
80) 4-isopropyltoluene	13.75	119	11176	0.79 ug/L	99
81) 1,4-dichlorobenzene	13.77	146	8757	0.94 ug/L #	98
82) 1,2-dichlorobenzene	14.23	146	7192	0.85 ug/L	99
83) n-butylbenzene	14.26	91	6891	0.65 ug/L	98
84) hexachloroethane	14.53	201	691	5.90 ug/L	87
85) 1,2-dibromo-3-chloropropan	15.20	157	89	3.09 ug/L #	16
86) 1,2,4-trichlorobenzene	16.23	180	3308	0.72 ug/L	96
87) hexachlorobutadiene	16.45	225	1694	0.82 ug/L	98
88) naphthalene	16.53	128	5966	0.59 ug/L #	83
89) 1,2,3-trichlorobenzene	16.83	180	2738	0.70 ug/L	98
90) 2-methylnaphthalene	17.94	142	1237	2.25 ug/L #	77

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

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 5P0518A.D
InstName : 224
Acq On : 18 May 2012 1:08 pm
Operator : DLV
Sample : CAL2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 18 13:26:59 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 5P0518A.D
InstName : 224
Acq On : 18 May 2012 1:08 pm
Operator : DLV
Sample : CAL2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 18 13:26:59 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.59	96	821117	40.00 ug/L	0.00 64.86%
51) Chlorobenzene-d5	10.79	117	613164	40.00 ug/L	0.00 59.64%
66) 1,4-Dichlorobenzene-d4	13.74	152	325506	40.00 ug/L	0.00 56.61%
System Monitoring Compounds					
29) #Dibromofluoromethane	5.49	111	184931	37.98 ug/L	0.00
Spiked Amount 40.000			Recovery =	94.95%	
37) #1,2-Dichloroethane-d4	6.04	65	207559	36.70 ug/L	0.00
Spiked Amount 40.000			Recovery =	91.75%	
47) #Toluene-d8	8.91	98	811044	38.78 ug/L	0.00
Spiked Amount 40.000			Recovery =	96.95%	
65) #4-Bromofluorobenzene	12.30	95	290255	38.99 ug/L	0.00
Spiked Amount 40.000			Recovery =	97.47%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.21	85	21564	3.61 ug/L	99
3) chloromethane	1.39	50	22173	4.40 ug/L	55
4) vinyl chloride	1.43	62	22133	4.06 ug/L	68
5) bromomethane	1.66	94	12848	4.55 ug/L	95
6) chloroethane	1.74	64	15430	4.76 ug/L	92
7) dichlorofluoromethane	1.90	67	34586	4.69 ug/L	98
8) trichlorofluoromethane	1.94	101	29015	3.93 ug/L	99
9) ethyl ether	2.18	74	9155	4.18 ug/L	90
10) acrolein	2.30	56	1805	3.44 ug/L #	94
11) 1,1,2-trichloro-1,2,2-trif	2.38	101	17830	4.16 ug/L	93
12) 1,1-dichloroethene	2.38	96	19251	4.54 ug/L	90
13) acetone	2.44	43	7158	1.81 ug/L	98
14) iodomethane	2.52	142	13465	6.83 ug/L #	100
15) carbon disulfide	2.58	76	65934	6.82 ug/L	97
16) methyl acetate	2.77	43	14320	3.79 ug/L	97
17) methylene chloride	2.87	49	28781	3.74 ug/L	95
18) acrylonitrile	3.15	53	5694	3.30 ug/L	95
19) trans-1,2-dichloroethene	3.16	96	20616	4.25 ug/L	98
20) methyl (tert) butyl ether	3.17	73	40123	3.50 ug/L	98
21) 1,1-dichloroethane	3.69	63	36322	4.21 ug/L	98
22) vinyl acetate	3.80	43	32838	5.65 ug/L	88
23) 2,2-dichloropropane	4.57	77	15438	4.41 ug/L	89
24) cis-1,2-dichloroethene	4.59	96	22252	4.29 ug/L	94
25) 2-butanone (MEK)	4.66	43	6919	4.26 ug/L	76
26) bromochloromethane	5.02	49	17582	4.32 ug/L	97
27) tetrahydrofuran	5.11	71	1320	2.98 ug/L #	1
28) chloroform	5.21	83	34525	4.25 ug/L	97
30) 1,1,1-trichloroethane	5.47	97	26023	4.04 ug/L	97
31) cyclohexane	5.55	56	35187	3.75 ug/L	96
32) carbon tetrachloride	5.75	117	21791	5.73 ug/L	98
33) 1,1-dichloropropene	5.78	75	27791	4.04 ug/L	98
34) benzene	6.11	78	88876	4.26 ug/L	94
35) 1,2-dichloroethane	6.17	62	24827	3.87 ug/L	94
36) heptane	6.59	57	26918	No Calib #	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 5P0518A.D
InstName : 224
Acq On : 18 May 2012 1:08 pm
Operator : DLV
Sample : CAL2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 18 13:26:59 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

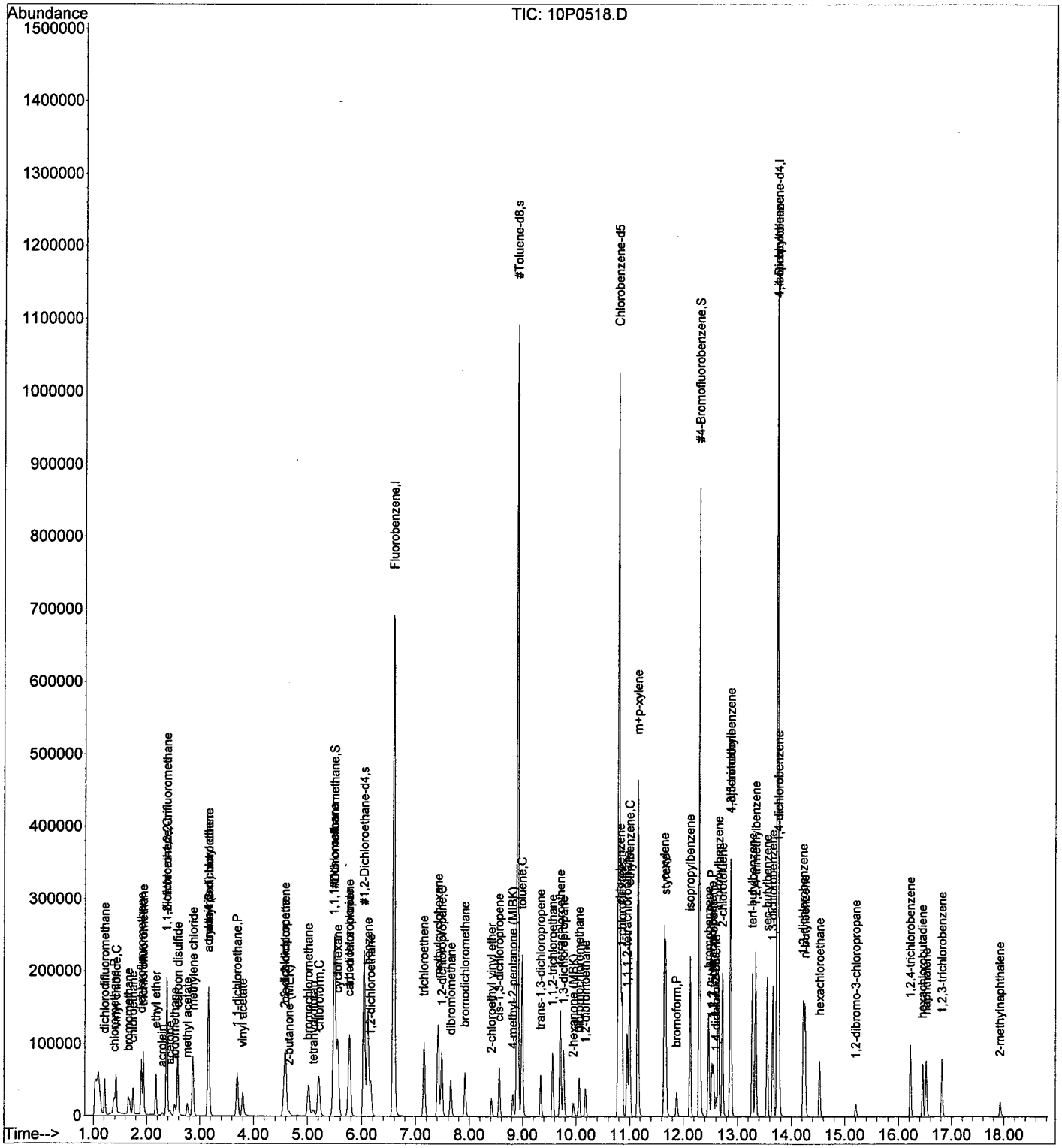
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	23483	4.15 ug/L		96
39) methylcyclohexane	7.41	83	31096	3.72 ug/L		96
40) 1,2-dichloropropane	7.49	63	19977	4.14 ug/L		95
41) dibromomethane	7.66	93	10016	3.87 ug/L		97
42) 1,4-dioxane	0.00	88	0	N.D.		
43) bromodichloromethane	7.92	83	22983	4.16 ug/L		98
44) 2-chloroethyl vinyl ether	8.41	63	6446	3.76 ug/L		98
45) cis-1,3-dichloropropene	8.56	75	19722	6.06 ug/L		92
46) 4-methyl-2-pentanone (MIBK	8.82	43	13680	3.77 ug/L		86
48) toluene	9.00	91	94789	4.25 ug/L		96
49) trans-1,3-dichloropropene	9.34	75	14270	6.66 ug/L		94
50) 1,1,2-trichloroethane	9.56	83	12552	3.90 ug/L		95
52) tetrachloroethene	9.71	166	27028	4.43 ug/L		99
53) 1,3-dichloropropane	9.77	76	27859	4.23 ug/L		98
54) 2-hexanone (MBK)	9.95	43	7978	3.40 ug/L		96
55) dibromochloromethane	10.06	129	14653	5.81 ug/L		96
56) 1,2-dibromoethane	10.17	109	13389	4.07 ug/L		97
57) chlorobenzene	10.83	112	60916	4.66 ug/L		92
58) 1-chlorohexane	10.86	55	19624	4.15 ug/L		96
59) 1,1,1,2-tetrachloroethane	10.95	131	16320	5.63 ug/L		92
60) ethylbenzene	11.00	91	100417	4.51 ug/L		99
61) m+p-xylene	11.16	106	79495	9.10 ug/L		98
62) o-xylene	11.65	106	35981	4.43 ug/L		98
63) styrene	11.67	104	61605	4.36 ug/L		99
64) bromoform	11.88	173	8541	6.52 ug/L		94
67) isopropylbenzene	12.13	105	79515	4.40 ug/L		100
68) bromobenzene	12.47	77	35028	4.57 ug/L		98
69) 1,1,2,2-tetrachloroethane	12.53	83	18694	4.26 ug/L	#	99
70) 1,2,3-trichloropropane	12.56	110	5734	4.03 ug/L	#	60
71) 1,4-dichloro-2-butene	12.60	53	4038	6.07 ug/L	#	81
72) n-propylbenzene	12.65	120	23497	4.51 ug/L		100
73) 2-chlorotoluene	12.73	126	21206	4.66 ug/L	#	87
74) 1,3,5-trimethylbenzene	12.88	105	65736	4.51 ug/L		97
75) 4-chlorotoluene	12.87	126	22403	4.75 ug/L		93
76) tert-butylbenzene	13.28	119	54097	4.37 ug/L		97
77) 1,2,4-trimethylbenzene	13.34	105	66122	4.50 ug/L		99
78) sec-butylbenzene	13.55	105	72052	4.35 ug/L		100
79) 1,3-dichlorobenzene	13.66	146	41875	4.58 ug/L		97
80) 4-isopropyltoluene	13.75	119	63619	4.41 ug/L		97
81) 1,4-dichlorobenzene	13.77	146	44458	4.63 ug/L	#	98
82) 1,2-dichlorobenzene	14.23	146	38164	4.38 ug/L		99
83) n-butylbenzene	14.26	91	45996	4.26 ug/L		97
84) hexachloroethane	14.53	201	5630	8.21 ug/L	#	65
85) 1,2-dibromo-3-chloropropan	15.20	157	2712	5.96 ug/L	#	56
86) 1,2,4-trichlorobenzene	16.23	180	19680	4.15 ug/L		98
87) hexachlorobutadiene	16.45	225	9992	4.73 ug/L		96
88) naphthalene	16.52	128	35760	3.42 ug/L		99
89) 1,2,3-trichlorobenzene	16.82	180	16206	4.05 ug/L		96
90) 2-methylnaphthalene	17.93	142	8788	4.43 ug/L		97

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

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 10P0518.D
InstName : 224
Acq On : 18 May 2012 12:40 pm
Operator : DLV
Sample : CAL3
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 18 12:59:17 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 10P0518.D
InstName : 224
Acq On : 18 May 2012 12:40 pm
Operator : DLV
Sample : CAL3
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 18 12:59:17 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.59	96	814422	40.00 ug/L	0.00 64.33%
51) Chlorobenzene-d5	10.79	117	610598	40.00 ug/L	0.00 59.39%
66) 1,4-Dichlorobenzene-d4	13.74	152	323555	40.00 ug/L	0.00 56.27%
System Monitoring Compounds					
29) #Dibromofluoromethane	5.49	111	183754	38.05 ug/L	0.00
Spiked Amount 40.000			Recovery =	95.13%	
37) #1,2-Dichloroethane-d4	6.04	65	204055	36.38 ug/L	0.00
Spiked Amount 40.000			Recovery =	90.95%	
47) #Toluene-d8	8.91	98	805492	38.83 ug/L	0.00
Spiked Amount 40.000			Recovery =	97.08%	
65) #4-Bromofluorobenzene	12.30	95	288002	38.85 ug/L	0.00
Spiked Amount 40.000			Recovery =	97.13%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.21	85	41665	7.03 ug/L	99
3) chloromethane	1.39	50	41913	8.39 ug/L	60
4) vinyl chloride	1.43	62	42478	7.85 ug/L #	62
5) bromomethane	1.66	94	22291	8.67 ug/L	93
6) chloroethane	1.74	64	28582	8.90 ug/L	95
7) dichlorofluoromethane	1.90	67	65969	9.01 ug/L	100
8) trichlorofluoromethane	1.94	101	56714	7.75 ug/L	100
9) ethyl ether	2.18	74	19740	9.09 ug/L	95
10) acrolein	2.29	56	3786	7.28 ug/L #	89
11) 1,1,2-trichloro-1,2,2-trif	2.38	101	34022	8.00 ug/L	94
12) 1,1-dichloroethene	2.38	96	35370	8.40 ug/L	94
13) acetone	2.44	43	11613	5.11 ug/L	96
14) iodomethane	2.52	142	25524	8.81 ug/L #	100
15) carbon disulfide	2.58	76	113635	11.84 ug/L	97
16) methyl acetate	2.76	43	25062	6.69 ug/L	96
17) methylene chloride	2.86	49	54844	7.83 ug/L	95
18) acrylonitrile	3.15	53	11869	6.95 ug/L	97
19) trans-1,2-dichloroethene	3.16	96	38867	8.07 ug/L	98
20) methyl (tert) butyl ether	3.17	73	81879	7.21 ug/L	97
21) 1,1-dichloroethane	3.69	63	69775	8.15 ug/L	97
22) vinyl acetate	3.80	43	60491	9.48 ug/L	87
23) 2,2-dichloropropane	4.57	77	28249	8.13 ug/L	86
24) cis-1,2-dichloroethene	4.59	96	42465	8.26 ug/L	93
25) 2-butanone (MEK)	4.66	43	11070	6.88 ug/L	61
26) bromochloromethane	5.02	49	33941	8.40 ug/L	98
27) tetrahydrofuran	5.11	71	3071	6.98 ug/L #	1
28) chloroform	5.21	83	65893	8.18 ug/L	98
30) 1,1,1-trichloroethane	5.47	97	49596	7.75 ug/L	98
31) cyclohexane	5.55	56	68450	7.36 ug/L	95
32) carbon tetrachloride	5.75	117	43336	9.14 ug/L	97
33) 1,1-dichloropropene	5.77	75	52840	7.75 ug/L	96
34) benzene	6.11	78	172040	8.30 ug/L	93
35) 1,2-dichloroethane	6.16	62	49281	7.75 ug/L	93
36) heptane	6.59	57	26624	No Calib #	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 10P0518.D
InstName : 224
Acq On : 18 May 2012 12:40 pm
Operator : DLV
Sample : CAL3
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 18 12:59:17 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

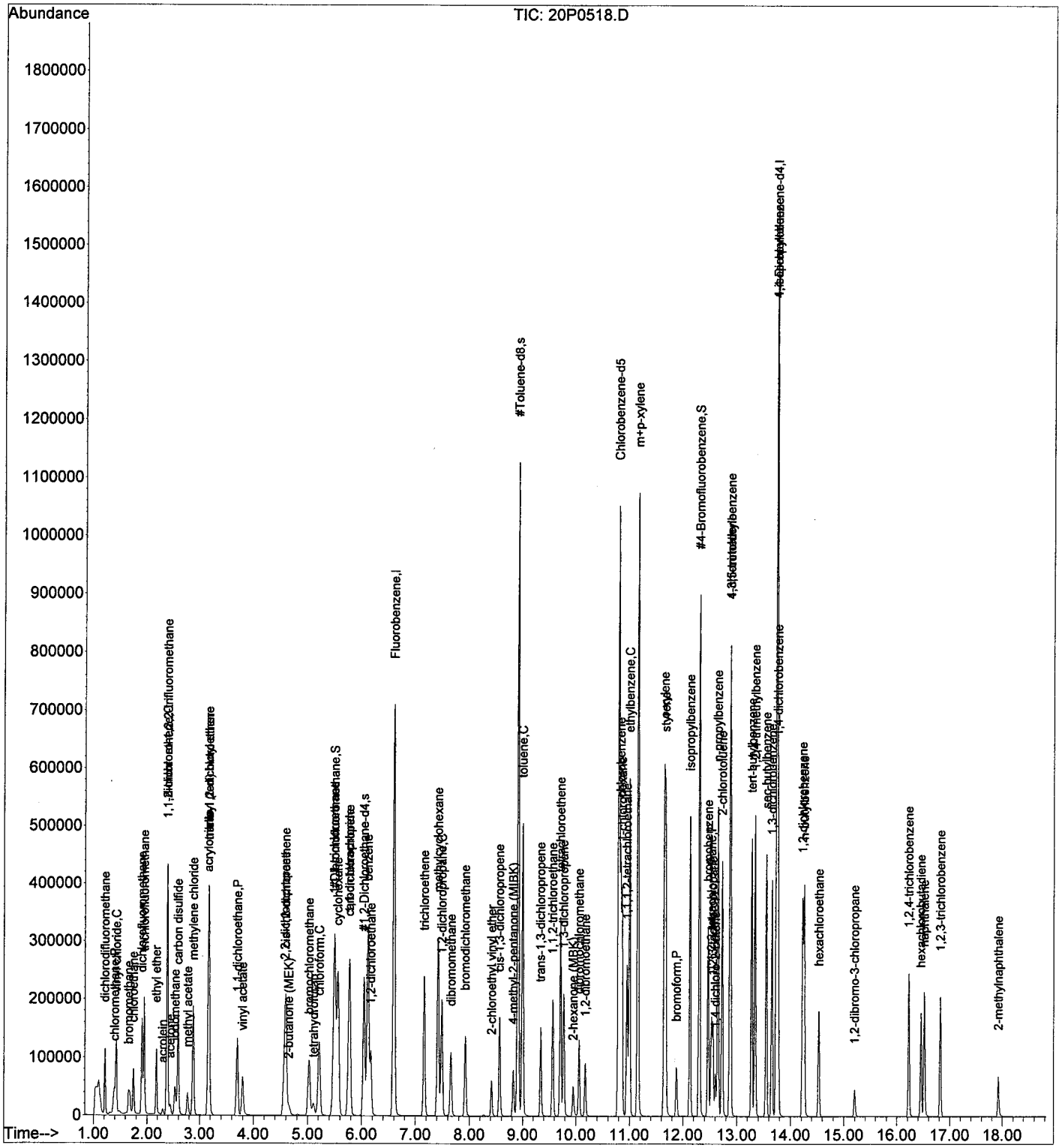
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	44238	7.89 ug/L	96
39) methylcyclohexane	7.42	83	62203	7.51 ug/L	96
40) 1,2-dichloropropane	7.49	63	39572	8.27 ug/L	93
41) dibromomethane	7.65	93	20530	7.99 ug/L	98
42) 1,4-dioxane	0.00	88	0	N.D.	
43) bromodichloromethane	7.92	83	45333	8.28 ug/L	96
44) 2-chloroethyl vinyl ether	8.41	63	12002	7.07 ug/L	97
45) cis-1,3-dichloropropene	8.56	75	41697	9.22 ug/L	92
46) 4-methyl-2-pentanone (MIBK	8.82	43	26005	7.23 ug/L	87
48) toluene	8.99	91	182581	8.25 ug/L	97
49) trans-1,3-dichloropropene	9.34	75	31092	9.35 ug/L	95
50) 1,1,2-trichloroethane	9.56	83	25486	7.97 ug/L	94
52) tetrachloroethene	9.71	166	50841	8.38 ug/L	99
53) 1,3-dichloropropane	9.77	76	56191	8.57 ug/L	100
54) 2-hexanone (MBK)	9.95	43	17183	7.35 ug/L	97
55) dibromochloromethane	10.06	129	30712	9.53 ug/L	95
56) 1,2-dibromoethane	10.17	109	27287	8.33 ug/L	100
57) chlorobenzene	10.83	112	115764	8.90 ug/L	95
58) 1-chlorohexane	10.86	55	38022	8.08 ug/L	96
59) 1,1,1,2-tetrachloroethane	10.95	131	33100	9.48 ug/L	94
60) ethylbenzene	11.00	91	193911	8.75 ug/L	99
61) m+p-xylene	11.16	106	153560	17.66 ug/L	98
62) o-xylene	11.65	106	70891	8.76 ug/L	99
63) styrene	11.67	104	125129	8.89 ug/L	99
64) bromoform	11.88	173	18193	9.76 ug/L	97
67) isopropylbenzene	12.13	105	157255	8.75 ug/L	100
68) bromobenzene	12.47	77	70071	9.20 ug/L	97
69) 1,1,2,2-tetrachloroethane	12.53	83	37993	8.72 ug/L #	98
70) 1,2,3-trichloropropane	12.56	110	11868	8.39 ug/L	92
71) 1,4-dichloro-2-butene	12.60	53	6861	8.19 ug/L #	65
72) n-propylbenzene	12.65	120	45284	8.74 ug/L	98
73) 2-chlorotoluene	12.72	126	41102	9.08 ug/L #	85
74) 1,3,5-trimethylbenzene	12.88	105	130405	9.00 ug/L	99
75) 4-chlorotoluene	12.87	126	41843	8.92 ug/L	98
76) tert-butylbenzene	13.28	119	106681	8.66 ug/L	97
77) 1,2,4-trimethylbenzene	13.34	105	132014	9.05 ug/L	99
78) sec-butylbenzene	13.55	105	141921	8.62 ug/L	99
79) 1,3-dichlorobenzene	13.66	146	82315	9.06 ug/L	98
80) 4-isopropyltoluene	13.75	119	121556	8.47 ug/L	97
81) 1,4-dichlorobenzene	13.77	146	83958	8.80 ug/L #	98
82) 1,2-dichlorobenzene	14.22	146	78212	9.02 ug/L	97
83) n-butylbenzene	14.25	91	90022	8.38 ug/L	97
84) hexachloroethane	14.53	201	11816	11.15 ug/L #	60
85) 1,2-dibromo-3-chloropropan	15.20	157	6314	9.94 ug/L #	67
86) 1,2,4-trichlorobenzene	16.23	180	38244	8.12 ug/L	95
87) hexachlorobutadiene	16.46	225	17775	8.46 ug/L	96
88) naphthalene	16.52	128	75590	7.28 ug/L	98
89) 1,2,3-trichlorobenzene	16.82	180	31945	8.02 ug/L	97
90) 2-methylnaphthalene	17.93	142	15701	6.47 ug/L	97

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

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 20P0518.D
InstName : 224
Acq On : 18 May 2012 1:35 pm
Operator : DLV
Sample : CAL4
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 18 13:54:41 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 20P0518.D
InstName : 224
Acq On : 18 May 2012 1:35 pm
Operator : DLV
Sample : CAL4
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 18 13:54:41 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	829878	40.00	ug/L	0.00 65.55%
51) Chlorobenzene-d5	10.79	117	628315	40.00	ug/L	0.00 61.12%
66) 1,4-Dichlorobenzene-d4	13.74	152	339085	40.00	ug/L	0.00 58.97%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.50	111	189327	38.48	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.20%			
37) #1,2-Dichloroethane-d4	6.04	65	210222	36.78	ug/L	0.00
Spiked Amount 40.000			Recovery = 91.95%			
47) #Toluene-d8	8.91	98	828415	39.19	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.97%			
65) #4-Bromofluorobenzene	12.30	95	299296	39.23	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.07%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.21	85	97050	16.07	ug/L	98
3) chloromethane	1.40	50	89141	17.51	ug/L	57
4) vinyl chloride	1.43	62	98775	17.91	ug/L	98
5) bromomethane	1.66	94	42866	17.20	ug/L	97
6) chloroethane	1.74	64	61633	18.83	ug/L	93
7) dichlorofluoromethane	1.90	67	145899	19.56	ug/L	99
8) trichlorofluoromethane	1.94	101	132213	17.73	ug/L	98
9) ethyl ether	2.18	74	39700	17.94	ug/L	94
10) acrolein	2.30	56	8697	16.40	ug/L #	95
11) 1,1,2-trichloro-1,2,2-trif	2.38	101	80846	18.65	ug/L	94
12) 1,1-dichloroethene	2.38	96	84411	19.68	ug/L	89
13) acetone	2.44	43	24889	14.47	ug/L	93
14) iodomethane	2.53	142	76907	16.95	ug/L #	100
15) carbon disulfide	2.58	76	242341	24.79	ug/L	97
16) methyl acetate	2.77	43	54082	14.16	ug/L	93
17) methylene chloride	2.87	49	118059	17.32	ug/L	95
18) acrylonitrile	3.15	53	27782	15.95	ug/L	97
19) trans-1,2-dichloroethene	3.16	96	88118	17.96	ug/L	99
20) methyl (tert) butyl ether	3.17	73	192668	16.64	ug/L	98
21) 1,1-dichloroethane	3.70	63	154860	17.76	ug/L	97
22) vinyl acetate	3.80	43	124149	17.88	ug/L	86
23) 2,2-dichloropropane	4.57	77	66819	18.87	ug/L	86
24) cis-1,2-dichloroethene	4.60	96	95017	18.14	ug/L	94
25) 2-butanone (MEK)	4.65	43	26313	16.05	ug/L	57
26) bromochloromethane	5.02	49	75219	18.27	ug/L	98
27) tetrahydrofuran	5.11	71	7529	16.79	ug/L #	1
28) chloroform	5.21	83	147158	17.93	ug/L	98
30) 1,1,1-trichloroethane	5.48	97	117795	18.07	ug/L	96
31) cyclohexane	5.55	56	167916	17.72	ug/L	95
32) carbon tetrachloride	5.76	117	102092	18.07	ug/L	99
33) 1,1-dichloropropene	5.78	75	125524	18.07	ug/L	97
34) benzene	6.11	78	383737	18.18	ug/L	93
35) 1,2-dichloroethane	6.17	62	110561	17.07	ug/L	92
36) heptane	6.59	57	27163	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 20P0518.D
InstName : 224
Acq On : 18 May 2012 1:35 pm
Operator : DLV
Sample : CAL4
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 18 13:54:41 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

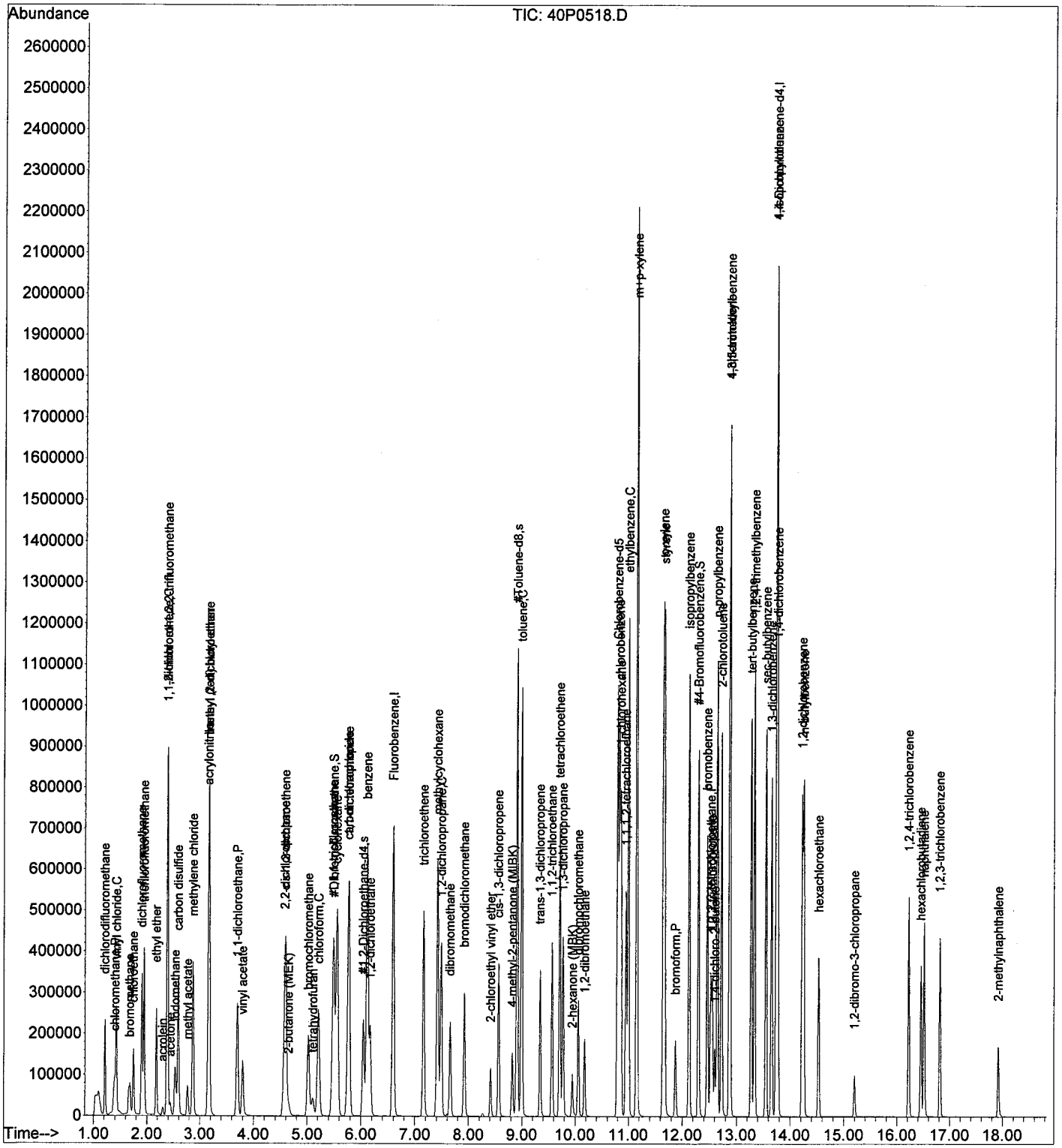
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	102983	18.02 ug/L	96
39) methylcyclohexane	7.42	83	151328	17.92 ug/L	95
40) 1,2-dichloropropane	7.49	63	89304	18.32 ug/L	92
41) dibromomethane	7.65	93	45412	17.34 ug/L	98
42) 1,4-dioxane	0.00	88	0	N.D.	
43) bromodichloromethane	7.92	83	103140	18.48 ug/L	96
44) 2-chloroethyl vinyl ether	8.41	63	27781	16.05 ug/L	94
45) cis-1,3-dichloropropene	8.56	75	102439	17.61 ug/L	91
46) 4-methyl-2-pentanone (MIBK	8.82	43	62422	17.04 ug/L	85
48) toluene	9.00	91	412215	18.28 ug/L	97
49) trans-1,3-dichloropropene	9.34	75	81314	17.08 ug/L	94
50) 1,1,2-trichloroethane	9.56	83	58386	17.93 ug/L	95
52) tetrachloroethene	9.71	166	117349	18.79 ug/L	98
53) 1,3-dichloropropane	9.77	76	128532	19.05 ug/L	99
54) 2-hexanone (MBK)	9.95	43	44066	18.32 ug/L	97
55) dibromochloromethane	10.06	129	72782	18.77 ug/L	95
56) 1,2-dibromoethane	10.17	109	63965	18.97 ug/L	98
57) chlorobenzene	10.83	112	259453	19.38 ug/L	98
58) 1-chlorohexane	10.86	55	90071	18.60 ug/L	92
59) 1,1,1,2-tetrachloroethane	10.95	131	77856	19.21 ug/L	94
60) ethylbenzene	11.00	91	446874	19.59 ug/L	99
61) m+p-xylene	11.16	106	351451	39.27 ug/L	98
62) o-xylene	11.65	106	164139	19.71 ug/L	99
63) styrene	11.67	104	286483	19.78 ug/L	99
64) bromoform	11.87	173	44384	18.09 ug/L	97
67) isopropylbenzene	12.13	105	374615	19.90 ug/L	100
68) bromobenzene	12.47	77	157027	19.67 ug/L	97
69) 1,1,2,2-tetrachloroethane	12.53	83	85304	18.67 ug/L #	99
70) 1,2,3-trichloropropane	12.56	110	26988	18.21 ug/L	90
71) 1,4-dichloro-2-butene	12.60	53	16510	14.79 ug/L #	59
72) n-propylbenzene	12.65	120	107420	19.79 ug/L	99
73) 2-chlorotoluene	12.73	126	94904	20.00 ug/L #	83
74) 1,3,5-trimethylbenzene	12.88	105	304107	20.02 ug/L	98
75) 4-chlorotoluene	12.87	126	97872	19.91 ug/L	95
76) tert-butylbenzene	13.28	119	254538	19.72 ug/L	97
77) 1,2,4-trimethylbenzene	13.34	105	308408	20.16 ug/L	99
78) sec-butylbenzene	13.55	105	341748	19.81 ug/L	100
79) 1,3-dichlorobenzene	13.66	146	184430	19.36 ug/L	98
80) 4-isopropyltoluene	13.75	119	291388	19.38 ug/L	96
81) 1,4-dichlorobenzene	13.77	146	192196	19.21 ug/L #	96
82) 1,2-dichlorobenzene	14.22	146	178483	19.65 ug/L	97
83) n-butylbenzene	14.25	91	221210	19.65 ug/L	97
84) hexachloroethane	14.53	201	29457	18.85 ug/L #	55
85) 1,2-dibromo-3-chloropropan	15.20	157	15700	19.48 ug/L #	65
86) 1,2,4-trichlorobenzene	16.22	180	92087	18.65 ug/L	93
87) hexachlorobutadiene	16.45	225	41681	18.94 ug/L	96
88) naphthalene	16.51	128	194454	17.86 ug/L	97
89) 1,2,3-trichlorobenzene	16.82	180	77194	18.50 ug/L	97
90) 2-methylnaphthalene	17.92	142	43935	14.13 ug/L	97

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

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 40P0518.D
InstName : 224
Acq On : 18 May 2012 2:03 pm
Operator : DLV
Sample : CAL5
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 18 14:22:25 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration



00644

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 40P0518.D
InstName : 224
Acq On : 18 May 2012 2:03 pm
Operator : DLV
Sample : CAL5
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 18 14:22:25 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	825179	40.00 ug/L	0.00 65.18%
51) Chlorobenzene-d5	10.79	117	622853	40.00 ug/L	0.00 60.59%
66) 1,4-Dichlorobenzene-d4	13.74	152	337935	40.00 ug/L	0.00 58.77%
System Monitoring Compounds					
29) #Dibromofluoromethane	5.50	111	190010	38.84 ug/L	0.00
Spiked Amount 40.000			Recovery =	97.10%	
37) #1,2-Dichloroethane-d4	6.04	65	209702	36.90 ug/L	0.00
Spiked Amount 40.000			Recovery =	92.25%	
47) #Toluene-d8	8.91	98	823905	39.20 ug/L	0.00
Spiked Amount 40.000			Recovery =	98.00%	
65) #4-Bromofluorobenzene	12.30	95	294442	38.93 ug/L	0.00
Spiked Amount 40.000			Recovery =	97.32%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.21	85	194842	32.44 ug/L	98
3) chloromethane	1.40	50	182292	36.01 ug/L	58
4) vinyl chloride	1.43	62	202654	36.95 ug/L	98
5) bromomethane	1.68	94	80106	33.16 ug/L	92
6) chloroethane	1.74	64	124567	38.27 ug/L	93
7) dichlorofluoromethane	1.90	67	295224	39.80 ug/L	100
8) trichlorofluoromethane	1.94	101	268359	36.19 ug/L	98
9) ethyl ether	2.18	74	93085	42.31 ug/L	93
10) acrolein	2.30	56	18028	34.20 ug/L #	93
11) 1,1,2-trichloro-1,2,2-trif	2.38	101	165225	38.33 ug/L	94
12) 1,1-dichloroethene	2.38	96	172547	40.46 ug/L	91
13) acetone	2.44	43	39425	25.05 ug/L	88
14) iodomethane	2.52	142	192895	35.67 ug/L #	100
15) carbon disulfide	2.58	76	464154	47.74 ug/L	97
16) methyl acetate	2.77	43	105333	27.74 ug/L	93
17) methylene chloride	2.87	49	237293	35.73 ug/L	94
18) acrylonitrile	3.15	53	56580	32.68 ug/L	95
19) trans-1,2-dichloroethene	3.16	96	182554	37.42 ug/L	99
20) methyl (tert) butyl ether	3.17	73	400564	34.80 ug/L	98
21) 1,1-dichloroethane	3.70	63	323496	37.31 ug/L	97
22) vinyl acetate	3.80	43	245961	34.45 ug/L	85
23) 2,2-dichloropropane	4.57	77	149700	42.51 ug/L	87
24) cis-1,2-dichloroethene	4.60	96	197607	37.94 ug/L	94
25) 2-butanone (MEK)	4.65	43	47542	29.16 ug/L	52
26) bromochloromethane	5.02	49	152854	37.34 ug/L	99
27) tetrahydrofuran	5.10	71	15855	35.57 ug/L #	1
28) chloroform	5.21	83	302604	37.08 ug/L	98
30) 1,1,1-trichloroethane	5.48	97	250096	38.59 ug/L	95
31) cyclohexane	5.55	56	347598	36.89 ug/L	96
32) carbon tetrachloride	5.76	117	219968	36.44 ug/L	99
33) 1,1-dichloropropene	5.77	75	261793	37.91 ug/L	98
34) benzene	6.11	78	787118	37.50 ug/L	92
35) 1,2-dichloroethane	6.17	62	222798	34.60 ug/L	92
36) heptane	6.59	57	26955	No Calib #	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 40P0518.D
InstName : 224
Acq On : 18 May 2012 2:03 pm
Operator : DLV
Sample : CAL5
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 18 14:22:25 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

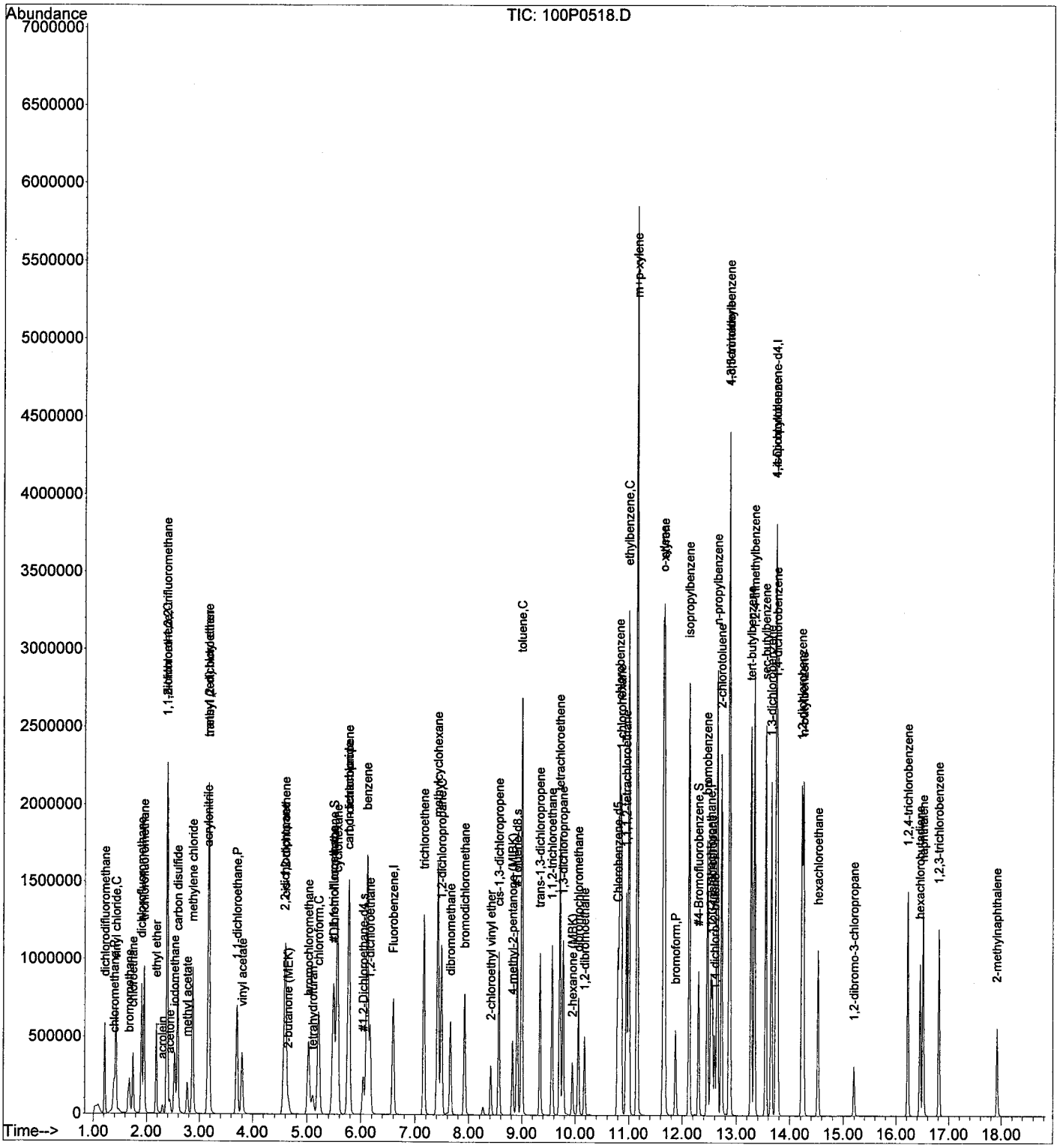
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	211833	37.27 ug/L	95
39) methylcyclohexane	7.42	83	311963	37.16 ug/L	95
40) 1,2-dichloropropane	7.49	63	184133	38.00 ug/L	92
41) dibromomethane	7.65	93	93756	36.01 ug/L	98
42) 1,4-dioxane	7.65	88	353	No Calib #	
43) bromodichloromethane	7.92	83	219257	39.51 ug/L	97
44) 2-chloroethyl vinyl ether	8.41	63	52215	30.34 ug/L	94
45) cis-1,3-dichloropropene	8.56	75	227573	35.29 ug/L	91
46) 4-methyl-2-pentanone (MIBK	8.82	43	121137	33.26 ug/L	85
48) toluene	8.99	91	840855	37.50 ug/L	97
49) trans-1,3-dichloropropene	9.34	75	189504	34.09 ug/L	93
50) 1,1,2-trichloroethane	9.56	83	119286	36.84 ug/L	94
52) tetrachloroethene	9.71	166	242314	39.14 ug/L	99
53) 1,3-dichloropropane	9.77	76	264148	39.50 ug/L	99
54) 2-hexanone (MBK)	9.95	43	82170	34.45 ug/L	96
55) dibromochloromethane	10.06	129	155246	37.57 ug/L	95
56) 1,2-dibromoethane	10.17	109	130878	39.16 ug/L	100
57) chlorobenzene	10.83	112	527026	39.72 ug/L	98
58) 1-chlorohexane	10.86	55	184216	38.37 ug/L	90
59) 1,1,1,2-tetrachloroethane	10.95	131	164795	38.85 ug/L	93
60) ethylbenzene	11.00	91	914644	40.45 ug/L	100
61) m+p-xylene	11.16	106	718323	80.97 ug/L	98
62) o-xylene	11.65	106	339702	41.15 ug/L	98
63) styrene	11.67	104	592127	41.23 ug/L	100
64) bromoform	11.88	173	96445	35.27 ug/L	97
67) isopropylbenzene	12.12	105	766040	40.83 ug/L	99
68) bromobenzene	12.46	77	319847	40.21 ug/L	98
69) 1,1,2,2-tetrachloroethane	12.52	83	172394	37.86 ug/L #	98
70) 1,2,3-trichloropropane	12.55	110	54797	37.10 ug/L #	86
71) 1,4-dichloro-2-butene	12.60	53	33887	27.17 ug/L #	45
72) n-propylbenzene	12.64	120	221287	40.91 ug/L	100
73) 2-chlorotoluene	12.72	126	195478	41.34 ug/L #	82
74) 1,3,5-trimethylbenzene	12.88	105	625580	41.32 ug/L	99
75) 4-chlorotoluene	12.87	126	202302	41.28 ug/L	94
76) tert-butylbenzene	13.28	119	528720	41.11 ug/L	96
77) 1,2,4-trimethylbenzene	13.34	105	637716	41.84 ug/L	100
78) sec-butylbenzene	13.55	105	704442	40.97 ug/L	100
79) 1,3-dichlorobenzene	13.66	146	384533	40.50 ug/L	98
80) 4-isopropyltoluene	13.75	119	605856	40.43 ug/L	96
81) 1,4-dichlorobenzene	13.77	146	392167	39.33 ug/L #	96
82) 1,2-dichlorobenzene	14.22	146	368508	40.70 ug/L	97
83) n-butylbenzene	14.25	91	466370	41.57 ug/L	97
84) hexachloroethane	14.53	201	67185	35.96 ug/L #	49
85) 1,2-dibromo-3-chloropropan	15.20	157	34107	38.93 ug/L #	66
86) 1,2,4-trichlorobenzene	16.22	180	199775	40.60 ug/L	95
87) hexachlorobutadiene	16.45	225	87429	39.86 ug/L	96
88) naphthalene	16.51	128	417987	38.53 ug/L	97
89) 1,2,3-trichlorobenzene	16.81	180	162463	39.07 ug/L	97
90) 2-methylnaphthalene	17.92	142	102393	30.53 ug/L	96

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

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 100P0518.D
InstName : 224
Acq On : 18 May 2012 2:31 pm
Operator : DLV
Sample : CAL6
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 18 14:50:10 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration



0064

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 100P0518.D
InstName : 224
Acq On : 18 May 2012 2:31 pm
Operator : DLV
Sample : CAL6
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 18 14:50:10 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	850048	40.00 ug/L	0.00 67.14%
51) Chlorobenzene-d5	10.79	117	643687	40.00 ug/L	0.00 62.61%
66) 1,4-Dichlorobenzene-d4	13.74	152	349592	40.00 ug/L	0.00 60.80%
System Monitoring Compounds					
29) #Dibromofluoromethane	5.50	111	198020	39.29 ug/L	0.00
Spiked Amount 40.000			Recovery =	98.22%	
37) #1,2-Dichloroethane-d4	6.05	65	216835	37.04 ug/L	0.00
Spiked Amount 40.000			Recovery =	92.60%	
47) #Toluene-d8	8.91	98	848821	39.21 ug/L	0.00
Spiked Amount 40.000			Recovery =	98.03%	
65) #4-Bromofluorobenzene	12.30	95	304354	38.94 ug/L	0.00
Spiked Amount 40.000			Recovery =	97.35%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.22	85	483551	78.16 ug/L	99
3) chloromethane	1.40	50	459062	88.04 ug/L	58
4) vinyl chloride	1.43	62	511837	90.59 ug/L	100
5) bromomethane	1.68	94	219058	89.59 ug/L	92
6) chloroethane	1.74	64	310881	92.72 ug/L	93
7) dichlorofluoromethane	1.90	67	736894	96.43 ug/L	100
8) trichlorofluoromethane	1.95	101	675144	88.38 ug/L	98
9) ethyl ether	2.18	74	216177	95.37 ug/L	90
10) acrolein	2.30	56	49772	91.66 ug/L #	93
11) 1,1,2-trichloro-1,2,2-trif	2.38	101	419597	94.50 ug/L	95
12) 1,1-dichloroethene	2.39	96	443667	100.98 ug/L	90
13) acetone	2.44	43	116889	78.42 ug/L	91
14) iodomethane	2.53	142	597630	97.94 ug/L #	100
15) carbon disulfide	2.59	76	1244258	124.24 ug/L	97
16) methyl acetate	2.77	43	286776	73.33 ug/L	92
17) methylene chloride	2.87	49	597457	88.34 ug/L	95
18) acrylonitrile	3.15	53	155225	87.02 ug/L	96
19) trans-1,2-dichloroethene	3.17	96	469154	93.35 ug/L	98
20) methyl (tert) butyl ether	3.18	73	1080078	91.08 ug/L	97
21) 1,1-dichloroethane	3.71	63	830188	92.94 ug/L	97
22) vinyl acetate	3.80	43	743069	98.75 ug/L	85
23) 2,2-dichloropropane	4.58	77	412590	113.73 ug/L	89
24) cis-1,2-dichloroethene	4.60	96	507891	94.66 ug/L	93
25) 2-butanone (MEK)	4.65	43	149405	88.95 ug/L	60
26) bromochloromethane	5.02	49	379720	90.05 ug/L	98
27) tetrahydrofuran	5.11	71	46642	101.57 ug/L #	1
28) chloroform	5.22	83	777288	92.46 ug/L	98
30) 1,1,1-trichloroethane	5.48	97	659762	98.82 ug/L	94
31) cyclohexane	5.56	56	891582	91.86 ug/L	95
32) carbon tetrachloride	5.76	117	583982	90.24 ug/L	99
33) 1,1-dichloropropene	5.78	75	673165	94.62 ug/L	97
34) benzene	6.11	78	2002071	92.59 ug/L	93
35) 1,2-dichloroethane	6.17	62	568368	85.67 ug/L	92
36) heptane	6.60	57	28010	No Calib #	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 100P0518.D
InstName : 224
Acq On : 18 May 2012 2:31 pm
Operator : DLV
Sample : CAL6
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 18 14:50:10 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

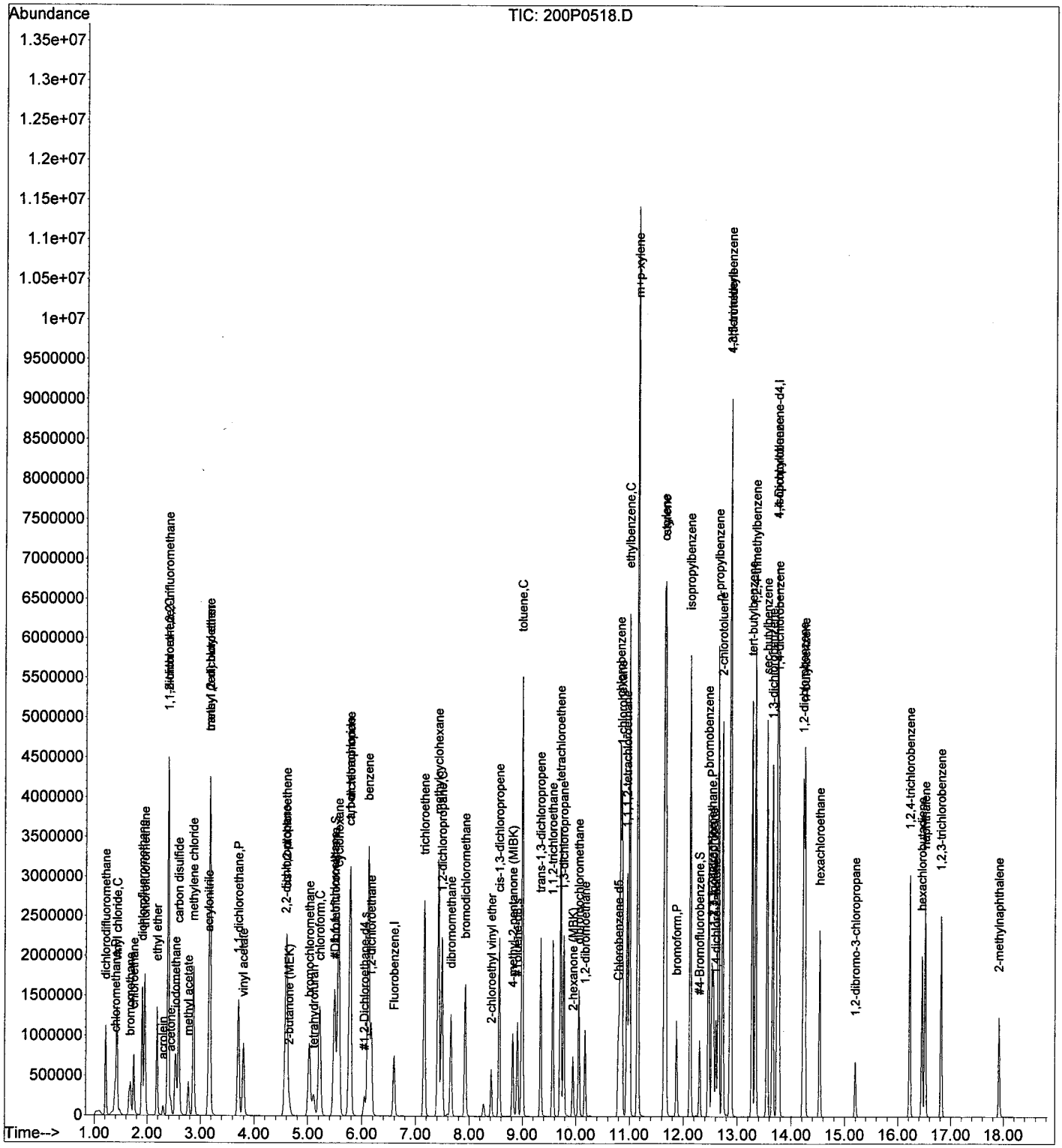
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	546721	93.39	ug/L		96
39) methylcyclohexane	7.42	83	803882	92.95	ug/L		95
40) 1,2-dichloropropane	7.49	63	476711	95.50	ug/L		92
41) dibromomethane	7.65	93	242366	90.36	ug/L		98
42) 1,4-dioxane	7.66	88	1158	No Calib		#	
43) bromodichloromethane	7.92	83	576102	100.77	ug/L		96
44) 2-chloroethyl vinyl ether	8.41	63	144748	81.65	ug/L		95
45) cis-1,3-dichloropropene	8.56	75	634554	89.93	ug/L		90
46) 4-methyl-2-pentanone (MIBK	8.82	43	368175	98.13	ug/L		84
48) toluene	9.00	91	2145646	92.89	ug/L		97
49) trans-1,3-dichloropropene	9.34	75	547350	87.64	ug/L		93
50) 1,1,2-trichloroethane	9.56	83	311059	93.24	ug/L		94
52) tetrachloroethene	9.71	166	614237	96.00	ug/L		98
53) 1,3-dichloropropane	9.77	76	680548	98.47	ug/L		100
54) 2-hexanone (MBK)	9.95	43	255664	103.73	ug/L		96
55) dibromochloromethane	10.06	129	423981	95.27	ug/L		96
56) 1,2-dibromoethane	10.17	109	349340	101.14	ug/L		99
57) chlorobenzene	10.83	112	1337339	97.52	ug/L		99
58) 1-chlorohexane	10.86	55	470463	94.83	ug/L		87
59) 1,1,1,2-tetrachloroethane	10.95	131	439960	97.33	ug/L		94
60) ethylbenzene	11.00	91	2339533	100.11	ug/L		100
61) m+p-xylene	11.16	106	1849699	201.75	ug/L		98
62) o-xylene	11.65	106	876862	102.77	ug/L		98
63) styrene	11.67	104	1524644	102.73	ug/L		100
64) bromoform	11.88	173	276873	91.44	ug/L		97
67) isopropylbenzene	12.13	105	1988768	102.46	ug/L		99
68) bromobenzene	12.46	77	825326	100.29	ug/L		98
69) 1,1,2,2-tetrachloroethane	12.53	83	456507	96.92	ug/L	#	98
70) 1,2,3-trichloropropane	12.56	110	146074	95.60	ug/L	#	85
71) 1,4-dichloro-2-butene	12.60	53	104192	74.65	ug/L	#	33
72) n-propylbenzene	12.65	120	571692	102.16	ug/L		100
73) 2-chlorotoluene	12.73	126	501917	102.60	ug/L	#	82
74) 1,3,5-trimethylbenzene	12.88	105	1616996	103.24	ug/L		98
75) 4-chlorotoluene	12.87	126	520970	102.77	ug/L		94
76) tert-butylbenzene	13.28	119	1367385	102.78	ug/L		97
77) 1,2,4-trimethylbenzene	13.34	105	1641746	104.11	ug/L		100
78) sec-butylbenzene	13.55	105	1841637	103.53	ug/L		99
79) 1,3-dichlorobenzene	13.66	146	983353	100.12	ug/L		98
80) 4-isopropyltoluene	13.75	119	1588437	102.47	ug/L		96
81) 1,4-dichlorobenzene	13.77	146	1004875	97.43	ug/L	#	97
82) 1,2-dichlorobenzene	14.22	146	946099	101.01	ug/L		98
83) n-butylbenzene	14.25	91	1227699	105.78	ug/L		97
84) hexachloroethane	14.53	201	198373	92.33	ug/L	#	42
85) 1,2-dibromo-3-chloropropan	15.20	157	102114	106.98	ug/L	#	67
86) 1,2,4-trichlorobenzene	16.22	180	532461	104.61	ug/L		94
87) hexachlorobutadiene	16.45	225	223619	98.55	ug/L		96
88) naphthalene	16.51	128	1175923	104.78	ug/L		97
89) 1,2,3-trichlorobenzene	16.81	180	440733	102.47	ug/L		97
90) 2-methylnaphthalene	17.92	142	323367	89.34	ug/L		97

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

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 200P0518.D
InstName : 224
Acq On : 18 May 2012 3:26 pm
Operator : DLV
Sample : CAL7
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 18 15:45:45 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration



00650

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 200P0518.D
InstName : 224
Acq On : 18 May 2012 3:26 pm
Operator : DLV
Sample : CAL7
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 18 15:45:45 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	866698	40.00	ug/L	0.00 68.46%
51) Chlorobenzene-d5	10.79	117	661359	40.00	ug/L	0.00 64.33%
66) 1,4-Dichlorobenzene-d4	13.74	152	362512	40.00	ug/L	0.00 63.05%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.50	111	203909	39.68	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.20%			
37) #1,2-Dichloroethane-d4	6.05	65	222563	37.29	ug/L	0.00
Spiked Amount 40.000			Recovery = 93.23%			
47) #Toluene-d8	8.91	98	865075	39.19	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.97%			
65) #4-Bromofluorobenzene	12.30	95	313993	39.10	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.75%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.21	85	968946	153.61	ug/L	99
3) chloromethane	1.40	50	915875	172.26	ug/L	58
4) vinyl chloride	1.43	62	1038228	180.23	ug/L	98
5) bromomethane	1.68	94	489358	197.42	ug/L	93
6) chloroethane	1.74	64	622498	182.09	ug/L	93
7) dichlorofluoromethane	1.90	67	1473035	189.06	ug/L	99
8) trichlorofluoromethane	1.95	101	1376512	176.72	ug/L	98
9) ethyl ether	2.18	74	514264	222.53	ug/L	92
10) acrolein	2.30	56	107238	193.69	ug/L	92
11) 1,1,2-trichloro-1,2,2-trif	2.39	101	858039	189.53	ug/L	95
12) 1,1-dichloroethene	2.39	96	917100	204.72	ug/L	89
13) acetone	2.44	43	220776	148.15	ug/L	87
14) iodomethane	2.53	142	1274682	199.81	ug/L #	100
15) carbon disulfide	2.58	76	2653031	259.82	ug/L	96
16) methyl acetate	2.77	43	601517	150.85	ug/L	92
17) methylene chloride	2.86	49	1211911	176.44	ug/L	94
18) acrylonitrile	3.15	53	322215	177.17	ug/L	97
19) trans-1,2-dichloroethene	3.17	96	968094	188.92	ug/L	98
20) methyl (tert) butyl ether	3.17	73	2226238	184.13	ug/L	97
21) 1,1-dichloroethane	3.71	63	1723269	189.21	ug/L	97
22) vinyl acetate	3.80	43	1701404	220.29	ug/L	85
23) 2,2-dichloropropane	4.58	77	840380	227.20	ug/L	88
24) cis-1,2-dichloroethene	4.60	96	1042488	190.57	ug/L	93
25) 2-butanone (MEK)	4.65	43	322770	188.47	ug/L	59
26) bromochloromethane	5.03	49	751086	174.70	ug/L	98
27) tetrahydrofuran	5.11	71	99657	212.84	ug/L #	1
28) chloroform	5.22	83	1596609	186.26	ug/L	98
30) 1,1,1-trichloroethane	5.49	97	1381965	203.01	ug/L	93
31) cyclohexane	5.56	56	1810290	182.92	ug/L	95
32) carbon tetrachloride	5.77	117	1219572	182.39	ug/L	99
33) 1,1-dichloropropene	5.78	75	1386955	191.21	ug/L	97
34) benzene	6.12	78	4085838	185.33	ug/L	92
35) 1,2-dichloroethane	6.18	62	1166304	172.43	ug/L	91
36) heptane	6.60	57	28615	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : 200P0518.D
InstName : 224
Acq On : 18 May 2012 3:26 pm
Operator : DLV
Sample : CAL7
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 18 15:45:45 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B24.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 14 07:36:32 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	1116421	187.03	ug/L		96
39) methylcyclohexane	7.42	83	1621309	183.86	ug/L		95
40) 1,2-dichloropropane	7.49	63	988266	194.17	ug/L		92
41) dibromomethane	7.66	93	503148	183.98	ug/L		98
42) 1,4-dioxane	7.66	88	2633	No Calib		#	
43) bromodichloromethane	7.92	83	1196274	205.22	ug/L		96
44) 2-chloroethyl vinyl ether	8.41	63	266979	147.70	ug/L		94
45) cis-1,3-dichloropropene	8.56	75	1351906	184.34	ug/L		90
46) 4-methyl-2-pentanone (MIBK	8.82	43	799858	209.10	ug/L		84
48) toluene	9.00	91	4353363	184.85	ug/L		96
49) trans-1,3-dichloropropene	9.34	75	1194028	182.48	ug/L		92
50) 1,1,2-trichloroethane	9.56	83	639268	187.95	ug/L		94
52) tetrachloroethene	9.72	166	1254608	190.84	ug/L		98
53) 1,3-dichloropropane	9.78	76	1393801	196.28	ug/L		100
54) 2-hexanone (MBK)	9.95	43	551518	217.79	ug/L		94
55) dibromochloromethane	10.06	129	894591	193.06	ug/L		95
56) 1,2-dibromoethane	10.17	109	721210	203.22	ug/L		99
57) chlorobenzene	10.83	112	2729419	193.72	ug/L		98
58) 1-chlorohexane	10.86	55	948308	186.04	ug/L		84
59) 1,1,1,2-tetrachloroethane	10.95	131	918959	195.89	ug/L		94
60) ethylbenzene	11.00	91	4787936	199.41	ug/L		100
61) m+p-xylene	11.16	106	3742062	397.25	ug/L		98
62) o-xylene	11.65	106	1783841	203.49	ug/L		99
63) styrene	11.67	104	3130334	205.29	ug/L		100
64) bromoform	11.88	173	594753	187.17	ug/L		97
67) isopropylbenzene	12.13	105	4059447	201.69	ug/L		99
68) bromobenzene	12.47	77	1702718	199.53	ug/L		98
69) 1,1,2,2-tetrachloroethane	12.53	83	949752	194.45	ug/L	#	98
70) 1,2,3-trichloropropane	12.56	110	300932	189.92	ug/L	#	86
71) 1,4-dichloro-2-butene	12.60	53	237569	160.43	ug/L	#	25
72) n-propylbenzene	12.65	120	1179180	203.21	ug/L		99
73) 2-chlorotoluene	12.73	126	1023402	201.75	ug/L	#	82
74) 1,3,5-trimethylbenzene	12.88	105	3334567	205.32	ug/L		99
75) 4-chlorotoluene	12.87	126	1060321	201.71	ug/L		96
76) tert-butylbenzene	13.28	119	2795104	202.60	ug/L		97
77) 1,2,4-trimethylbenzene	13.34	105	3381921	206.82	ug/L		100
78) sec-butylbenzene	13.55	105	3746870	203.14	ug/L		99
79) 1,3-dichlorobenzene	13.66	146	2010215	197.38	ug/L		98
80) 4-isopropyltoluene	13.75	119	3280719	204.09	ug/L		96
81) 1,4-dichlorobenzene	13.77	146	2063518	192.94	ug/L	#	97
82) 1,2-dichlorobenzene	14.22	146	1942077	199.95	ug/L		98
83) n-butylbenzene	14.25	91	2546543	211.59	ug/L		97
84) hexachloroethane	14.53	201	435664	189.32	ug/L	#	39
85) 1,2-dibromo-3-chloropropan	15.20	157	220684	219.72	ug/L	#	66
86) 1,2,4-trichlorobenzene	16.22	180	1100969	208.59	ug/L		94
87) hexachlorobutadiene	16.45	225	473437	201.21	ug/L		96
88) naphthalene	16.51	128	2438401	209.52	ug/L		97
89) 1,2,3-trichlorobenzene	16.81	180	907168	203.39	ug/L		97
90) 2-methylnaphthalene	17.92	142	663851	175.04	ug/L		96

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

INITIAL CALIBRATION DATA
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E25004

SDG: KNM050712
Project: KNM
Calibration Date: 05/24/12 00:00
Instrument: 328

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	~~0.3431483~~	5	0.1395898	10	0.1084365	20	9.679195E-02	40	0.095229	100	9.191824E-02
Benzene	1	1.098767	5	1.161991	10	1.118111	20	1.182355	40	1.235728	100	1.219847
Bromodichloromethane	1	0.3290325	5	0.3465721	10	0.3383716	20	0.3643649	40	0.391599	100	0.3912181
Bromoform	1	0.1749883	5	0.194114	10	0.197421	20	0.2213148	40	0.2514317	100	0.2702566
Bromomethane	1	0.2912271	5	0.2741915	10	0.2490107	20	0.2340605	40	0.234513	100	0.2340232
Carbon Disulfide	1	0.689651	5	0.7292225	10	0.7360403	20	0.7483189	40	0.8575556	100	0.8895343
Carbon Tetrachloride	1	0.4136229	5	0.4250145	10	0.4032734	20	0.4307389	40	0.4529192	100	0.4526245
Chlorobenzene	1	1.079623	5	1.12052	10	1.055791	20	1.111981	40	1.156301	100	1.144496
Chloroethane	1	0.2536663	5	0.2429179	10	0.230317	20	0.2351531	40	0.2412693	100	0.2312835
Chloroform	1	0.5320704	5	0.5518012	10	0.52305	20	0.5435772	40	0.5611344	100	0.547108
Chloromethane	1	0.3821417	5	0.3600683	10	0.3321136	20	0.3455823	40	0.3520219	100	0.329123
Cyclohexane	1	0.3625751	5	0.4392854	10	0.4447311	20	0.5134013	40	0.5480715	100	0.551011
1,2-Dibromo-3-chloropropane	1	8.240743E-02	5	0.0909944	10	9.904504E-02	20	0.1101226	40	0.124948	100	0.1361391
Dibromochloromethane	1	0.2720784	5	0.3059774	10	0.315295	20	0.343986	40	0.3797403	100	0.3889488
1,2-Dibromoethane	1	0.2729384	5	0.275052	10	0.2838645	20	0.3003966	40	0.3199485	100	0.3201054
1,2-Dichlorobenzene	1	1.234775	5	1.208788	10	1.241641	20	1.316252	40	1.42693	100	1.426439
1,3-Dichlorobenzene	1	1.390389	5	1.460124	10	1.404578	20	1.466956	40	1.553233	100	1.534901
1,4-Dichlorobenzene	1	1.613314	5	1.555436	10	1.474452	20	1.526278	40	1.606562	100	1.586599
Dichlorodifluoromethane	1	0.3326313	5	0.3377378	10	0.3055941	20	0.3168652	40	0.319897	100	0.3014283
1,1-Dichloroethane	1	0.5420633	5	0.5377274	10	0.5247854	20	0.5563771	40	0.565649	100	0.5567755
1,2-Dichloroethane	1	0.4341328	5	0.4144337	10	0.4050188	20	0.4149264	40	0.4320821	100	0.4155011
1,1-Dichloroethene	1	0.3101298	5	0.2988938	10	0.2807296	20	0.2955262	40	0.3036337	100	0.2964151
cis-1,2-Dichloroethene	1	0.3098852	5	0.3065185	10	0.2978118	20	0.3193333	40	0.3411696	100	0.3370208
trans-1,2-Dichloroethene	1	0.3605835	5	0.3435481	10	0.319554	20	0.3328086	40	0.3448006	100	0.335663
1,2-Dichloropropane	1	0.2473421	5	0.2734983	10	0.2644681	20	0.2766143	40	0.2947474	100	0.2898335
cis-1,3-Dichloropropene	1	0.2744907	5	0.3197768	10	0.3529413	20	0.4031929	40	0.4544259	100	0.469565
trans-1,3-Dichloropropene	1	0.2459795	5	0.2646232	10	0.282016	20	0.3242726	40	0.3727664	100	0.3959854
Ethylbenzene	1	1.45463	5	1.74736	10	1.722685	20	1.880815	40	1.992048	100	2.000544
2-Hexanone	1	~~8.174572E-02~~	5	0.1077236	10	0.142468	20	0.1603037	40	0.1821619	100	0.2092073
Isopropylbenzene	1	1.585714	5	2.150023	10	2.243811	20	2.587547	40	2.813687	100	2.859662
Methyl Acetate	1	0.4389546	5	0.2549326	10	0.2376571	20	0.217566	40	0.2150787	100	0.2062067

INITIAL CALIBRATION DATA
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E25004

SDG: KNM050712
Project: KNM
Calibration Date: 05/24/12 00:00
Instrument: 328

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl tert-Butyl Ether	1	0.7665894	5	0.7406324	10	0.7424658	20	0.7705804	40	0.828556	100	0.8214368
Methylcyclohexane	1	0.3027923	5	0.3843696	10	0.3960137	20	0.4581753	40	0.4948131	100	0.4959555
Methylene Chloride	1	0.5965002	5	0.4397815	10	0.4086068	20	0.4056332	40	0.4098109	100	0.394441
2-Butanone (MEK)	1	0.1002436	5	8.352552E-02	10	0.1001852	20	9.823941E-02	40	0.1044013	100	0.1135896
4-Methyl-2-pentanone (MIBK)	1	~~9.999904E-02~~	5	0.1183193	10	0.1567653	20	0.174551	40	0.2075339	100	0.2307557
Styrene	1	0.6479005	5	1.030888	10	1.07798	20	1.190419	40	1.262227	100	1.279911
1,1,2,2-Tetrachloroethane	1	0.6918135	5	0.6500766	10	0.6455925	20	0.6715063	40	0.6994669	100	0.6843781
Tetrachloroethene	1	0.4769406	5	0.4886056	10	0.4581788	20	0.4845845	40	0.509121	100	0.5059486
Toluene	1	1.210086	5	1.238687	10	1.194956	20	1.266388	40	1.332553	100	1.316147
1,2,4-Trichlorobenzene	1	~~0.5320312~~	5	0.5065894	10	0.5427752	20	0.5992553	40	0.7532492	100	0.7960717
1,1,1-Trichloroethane	1	0.4771792	5	0.4691999	10	0.4463257	20	0.4727546	40	0.4986407	100	0.4934423
1,1,2-Trichloroethane	1	0.2027234	5	0.1957559	10	0.1965278	20	0.2041643	40	0.2140841	100	0.2115461
Trichloroethene	1	0.3350073	5	0.3207622	10	0.305708	20	0.3296487	40	0.3563328	100	0.3537067
Trichlorofluoromethane	1	0.5791349	5	0.5845088	10	0.5391641	20	0.5540955	40	0.5625916	100	0.5391202
1,1,2-Trichloro-1,2,2-trifluoro	1	0.3498569	5	0.3619983	10	0.3342811	20	0.3455463	40	0.3495109	100	0.3405309
Vinyl Chloride	1	0.4184796	5	0.4005569	10	0.3682077	20	0.380974	40	0.3944391	100	0.3782159
Xylene (Total)	3	0.4833981	15	0.6537055	30	0.6619962	60	0.7227728	120	0.7701023	300	0.7738875
Dibromofluoromethane	40	0.274786	40	0.2761563	40	0.2761868	40	0.2738756	40	0.2720552	40	0.2684182
1,2-Dichloroethane-d4	40	0.1695607	40	0.1667232	40	0.1674521	40	0.1655366	40	0.1650312	40	0.1595447
Toluene-d8	40	0.9697024	40	0.9871401	40	1.005194	40	1.008369	40	1.00973	40	0.996299
4-Bromofluorobenzene	40	0.4888539	40	0.5137561	40	0.5046162	40	0.510436	40	0.5045677	40	0.5082558

INITIAL CALIBRATION DATA (Continued)
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E25004

SDG: KNM050712
Project: KNM
Calibration Date: 05/24/12 00:00
Instrument: 328

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	8.743607E-02										
Benzene	200	1.184843										
Bromodichloromethane	200	0.385294										
Bromoform	200	0.2750844										
Bromomethane	200	0.2370551										
Carbon Disulfide	200	0.8556184										
Carbon Tetrachloride	200	0.4499179										
Chlorobenzene	200	1.100828										
Chloroethane	200	0.2177473										
Chloroform	200	0.5256799										
Chloromethane	200	0.3011337										
Cyclohexane	200	0.5413061										
1,2-Dibromo-3-chloropropane	200	0.1405691										
Dibromochloromethane	200	0.3837758										
1,2-Dibromoethane	200	0.3107161										
1,2-Dichlorobenzene	200	1.400033										
1,3-Dichlorobenzene	200	1.498773										
1,4-Dichlorobenzene	200	1.554165										
Dichlorodifluoromethane	200	0.2905993										
1,1-Dichloroethane	200	0.5341714										
1,2-Dichloroethane	200	0.4024687										
1,1-Dichloroethene	200	0.2901702										
cis-1,2-Dichloroethene	200	0.3245734										
trans-1,2-Dichloroethene	200	0.3275367										
1,2-Dichloropropane	200	0.281736										
cis-1,3-Dichloropropene	200	0.4650527										
trans-1,3-Dichloropropene	200	0.3973093										
Ethylbenzene	200	1.941004										
2-Hexanone	200	0.2058766										
Isopropylbenzene	200	2.813976										
Methyl Acetate	200	0.2002872										

INITIAL CALIBRATION DATA (Continued)
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E25004

SDG: KNM050712
Project: KNM
Calibration Date: 05/24/12 00:00
Instrument: 328

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl tert-Butyl Ether	200	0.8012109										
Methylcyclohexane	200	0.4903962										
Methylene Chloride	200	0.3731953										
2-Butanone (MEK)	200	0.1073376										
4-Methyl-2-pentanone (MIBK)	200	0.2291866										
Styrene	200	1.240344										
1,1,2,2-Tetrachloroethane	200	0.6766321										
Tetrachloroethene	200	0.4897551										
Toluene	200	1.287235										
1,2,4-Trichlorobenzene	200	0.7899947										
1,1,1-Trichloroethane	200	0.4894523										
1,1,2-Trichloroethane	200	0.2040258										
Trichloroethene	200	0.3473356										
Trichlorofluoromethane	200	0.5274988										
1,1,2-Trichloro-1,2,2-trifluoroe	200	0.3339597										
Vinyl Chloride	200	0.3565268										
Xylene (Total)	600	0.7526594										
Dibromofluoromethane	40	0.2677102										
1,2-Dichloroethane-d4	40	0.1607134										
Toluene-d8	40	0.994883										
4-Bromofluorobenzene	40	0.5026937										

INITIAL CALIBRATION DATA (Continued)
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E25004

SDG: KNM050712
Project: KNM
Calibration Date: 05/24/12 00:00
Instrument: 328

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acetone	0.1032336	18.54206	2.036	0.1505069	0.99958		0.99	
Benzene	1.171663	4.265904	5.335143	7.922891E-02			15	
Bromodichloromethane	0.3637789	7.219977	7.309286	3.715777E-02			15	
Bromoform	0.226373	17.55115	11.396	2.374655E-02	0.99968		SPCC (0.1)	
Bromomethane	0.250583	9.21646	1.381857	0.3603784			15	
Carbon Disulfide	0.786563	9.998087	2.153857	1.296006E-02			15	
Carbon Tetrachloride	0.4325873	4.618473	4.935286	0.1157886			15	
Chlorobenzene	1.109934	3.162716	10.32471	3.069309E-02			SPCC (0.3)	
Chloroethane	0.2360506	4.818192	1.446143	2.469718E-02			15	
Chloroform	0.5406316	2.617757	4.382429	0.1075186			CCC (30)	
Chloromethane	0.3431692	7.500534	1.13	0.2347826			SPCC (0.1)	
Cyclohexane	0.4857688	14.79888	4.714857	0.154179			15	
1,2-Dibromo-3-chloropropane	0.1120322	20.14077	14.755	1.852579E-02	0.99951		0.99	
Dibromochloromethane	0.3414002	13.24863	9.540286	2.943456E-02			15	
1,2-Dibromoethane	0.2975745	6.84731	9.646857	1.268265E-02			15	
1,2-Dichlorobenzene	1.322123	7.236481	13.77214	2.030389E-02			15	
1,3-Dichlorobenzene	1.472708	4.171165	13.20086	6.692932E-03			15	
1,4-Dichlorobenzene	1.559544	3.122366	13.31771	2.547984E-02			15	
Dichlorodifluoromethane	0.3149647	5.380876	0.9958572	0.2269843			15	
1,1-Dichloroethane	0.5453642	2.679197	3.100286	0.0950389			SPCC (0.1)	
1,2-Dichloroethane	0.4169377	2.919181	5.397	9.132891E-02			15	
1,1-Dichloroethene	0.2964998	3.176187	1.988143	0.1152768			CCC (30)	
cis-1,2-Dichloroethene	0.3194732	5.004433	3.856286	0.074935			15	
trans-1,2-Dichloroethene	0.3377849	3.95136	2.649	0.1054116			15	
1,2-Dichloropropane	0.2754628	5.805752	6.836714	3.565112E-02			CCC (30)	
cis-1,3-Dichloropropene	0.3913493	19.77167	7.988857	3.020147E-02	0.99980		0.99	
trans-1,3-Dichloropropene	0.3261361	19.50433	8.807572	3.789577E-02	0.99975		0.99	
Ethylbenzene	1.819869	10.72982	10.50771	0.0308766			CCC (30)	
2-Hexanone	0.1679569	23.3308	9.446	1.459556E-02	0.99946		0.99	
Isopropylbenzene	2.436346	19.32226	11.66486	0.0256677	0.99981		0.99	
Methyl Acetate	0.2529547	33.26399	2.312	1.484374E-02	0.99983		0.99	
Methyl tert-Butyl Ether	0.7816388	4.592931	2.662571	0.1210402			15	

INITIAL CALIBRATION DATA (Continued)
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2E25004

SDG: KNM050712
Project: KNM
Calibration Date: 05/24/12 00:00
Instrument: 328

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Methylcyclohexane	0.431788	17.01582	6.757857	4.526128E-02	0.99985		0.99	
Methylene Chloride	0.432567	17.33119	2.392714	0.122899	0.99920		0.99	
2-Butanone (MEK)	0.1010746	9.249471	3.920714	0.1955592			15	
4-Methyl-2-pentanone (MIBK)	0.1861853	23.8971	8.273	2.098112E-02	0.99967		0.99	
Styrene	1.104239	20.11736	11.19543	2.109438E-02	0.99965		0.99	
1,1,2,2-Tetrachloroethane	0.6742094	3.006764	12.07557	2.308343E-02			SPCC (0.3)	
Tetrachloroethene	0.4875906	3.546126	9.176857	9.92077E-03			15	
Toluene	1.263722	4.121725	8.433857	3.439879E-02			CCC (30)	
1,2,4-Trichlorobenzene	0.6646559	19.61052	16.0795	2.006395	0.99965		0.99	
1,1,1-Trichloroethane	0.4781421	3.726054	4.638429	0.1017946			15	
1,1,2-Trichloroethane	0.2041182	3.3705	9.037	2.310782E-02			15	
Trichloroethene	0.3355002	5.5025	6.488	5.357711E-02			15	
Trichlorofluoromethane	0.5551591	3.870878	1.617857	0.1390745			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3450977	2.873173	1.991571	0.1617724			15	
Vinyl Chloride	0.3853429	5.408462	1.177143	0.1936953			CCC (30)	
Xylene (Total)	0.6883603	14.91209	11.17086	1.159322E-02			15	
Dibromofluoromethane	0.2727412	1.283091	4.656428	0.1007223			15	
1,2-Dichloroethane-d4	0.1649374	2.188544	5.257	6.712473E-02			15	
Toluene-d8	0.9959025	1.4185	8.342	0.0242879			15	
4-Bromofluorobenzene	0.5047399	1.582241	11.835	1.897278E-02			15	

Response Factor Report 328

DXY 2F01002

Method Path : C:\msdchem\1\METHODS\
Method File : 8260B-WB62.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Thu May 24 14:40:16 2012
Response Via : Initial Calibration

2E25004

2F05004

Calibration Files
1 =1P0524.D 2 =5P0524.D 3 =10P0524.D 4 =20P0524.D 5 =40P0524.D 6 =100P0524.D 7 =200P0524.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------								
2)		dichlorodifluo...	0.333	0.338	0.306	0.317	0.320	0.301	0.291	0.315	5.38
3)	P	chloromethane	0.382	0.360	0.332	0.346	0.352	0.329	0.301	0.343	7.50
4)	C	vinyl chloride	0.418	0.401	0.368	0.381	0.394	0.378	0.357	0.385	5.41#
5)		bromomethane	0.291	0.274	0.249	0.234	0.235	0.234	0.237	0.251	9.22
6)		chloroethane	0.254	0.243	0.230	0.235	0.241	0.231	0.218	0.236	4.82
7)		dichlorofluoro...	0.638	0.631	0.580	0.600	0.615	0.593	0.565	0.603	4.40
8)		trichlorofluor...	0.579	0.585	0.539	0.554	0.563	0.539	0.527	0.555	3.87
9)		ethyl ether	0.178	0.177	0.177	0.184	0.195	0.191	0.184	0.184	3.78
10)		acrolein	0.042	0.039	0.039	0.040	0.042	0.043	0.041	0.041	3.80
11)		1,1,2-trichlor...	0.350	0.362	0.334	0.346	0.350	0.341	0.334	0.345	2.87
12)	C	1,1-dichloroet...	0.310	0.299	0.281	0.296	0.304	0.296	0.290	0.296	3.18#
13)		acetone		0.140	0.108	0.097	0.095	0.092	0.087	0.103	18.54
14)		iodomethane	0.143	0.187	0.230	0.295	0.389	0.448	0.425	0.302	40.03
15)		carbon disulfide	0.690	0.729	0.736	0.748	0.858	0.890	0.856	0.787	10.00
16)		methyl acetate	0.439	0.255	0.238	0.218	0.215	0.206	0.200	0.253	33.26
17)		methylene chlo...	0.597	0.440	0.409	0.406	0.410	0.394	0.373	0.433	17.33
18)		acrylonitrile	0.104	0.103	0.104	0.106	0.109	0.105	0.102	0.105	2.19
19)		trans-1,2-dich...	0.361	0.344	0.320	0.333	0.345	0.336	0.328	0.338	3.95
20)		methyl (tert) ...	0.767	0.741	0.742	0.771	0.829	0.821	0.801	0.782	4.59
21)	P	1,1-dichloroet...	0.542	0.538	0.525	0.556	0.566	0.557	0.534	0.545	2.68
22)		vinyl acetate	0.294	0.308	0.393	0.415	0.432	0.481	0.501	0.403	19.62
23)		2,2-dichloropr...	0.334	0.346	0.338	0.370	0.391	0.397	0.377	0.365	7.06
24)		cis-1,2-dichlo...	0.310	0.307	0.298	0.319	0.341	0.337	0.325	0.319	5.00
25)		2-butanone (MEK)	0.100	0.084	0.100	0.098	0.104	0.114	0.107	0.101	9.25
26)		bromochloromet...	0.233	0.237	0.229	0.234	0.241	0.231	0.217	0.232	3.27
27)		tetrahydrofuran	0.011	0.017	0.020	0.022	0.026	0.028	0.028	0.022	28.92
28)	C	chloroform	0.532	0.552	0.523	0.544	0.561	0.547	0.526	0.541	2.62#
29)	S	#Dibromofluoro...	0.275	0.276	0.276	0.274	0.272	0.268	0.268	0.273	1.28
30)		1,1,1-trichlor...	0.477	0.469	0.446	0.473	0.499	0.493	0.489	0.478	3.73
31)		cyclohexane	0.363	0.439	0.445	0.513	0.548	0.551	0.541	0.486	14.80
32)		carbon tetrach...	0.414	0.425	0.403	0.431	0.453	0.453	0.450	0.433	4.62
33)		1,1-dichloropr...	0.329	0.378	0.374	0.411	0.443	0.444	0.438	0.402	10.85
34)		benzene	1.099	1.162	1.118	1.182	1.236	1.220	1.185	1.172	4.27
35)		1,2-dichloroet...	0.434	0.414	0.405	0.415	0.432	0.416	0.402	0.417	2.92
36)		heptane								0.000	-1.00
37)	s	#1,2-Dichloroe...	0.170	0.167	0.167	0.166	0.165	0.160	0.161	0.165	2.19
38)		trichloroethene	0.335	0.321	0.306	0.330	0.356	0.354	0.347	0.336	5.50
39)		methylcyclohexane	0.303	0.384	0.396	0.458	0.495	0.496	0.490	0.432	17.02

65590

DW 5/30/12

Method Path : C:\msdchem\1\METHODS\
Method File : 8260B-WB62.M

40)	C	1,2-dichloropr...	0.247	0.273	0.264	0.277	0.295	0.290	0.282	0.275	5.81#
41)		dibromomethane	0.177	0.169	0.165	0.171	0.178	0.173	0.166	0.171	2.99
42)		1,4-dioxane								0.000	-1.00
43)		bromodichlorom...	0.329	0.347	0.338	0.364	0.392	0.391	0.385	0.364	7.22
44)		2-chloroethyl ...	0.042	0.056	0.077	0.094	0.115	0.135	0.134	0.093	39.51
45)		cis-1,3-dichlo...	0.274	0.320	0.353	0.403	0.454	0.470	0.465	0.391	19.77
46)		4-methyl-2-pen...		0.118	0.157	0.175	0.208	0.231	0.229	0.186	23.90
47)	s	#Toluene-d8	0.970	0.987	1.005	1.008	1.010	0.996	0.995	0.996	1.42
48)	C	toluene	1.210	1.239	1.195	1.266	1.333	1.316	1.287	1.264	4.12#
49)		trans-1,3-dich...	0.246	0.265	0.282	0.324	0.373	0.396	0.397	0.326	19.50
50)		1,1,2-trichlor...	0.203	0.196	0.197	0.204	0.214	0.212	0.204	0.204	3.37
51)		Chlorobenzene-d5	----------ISTD----------								
52)		tetrachloroethene	0.477	0.489	0.458	0.485	0.509	0.506	0.490	0.488	3.55
53)		1,3-dichloropr...	0.504	0.529	0.531	0.563	0.603	0.598	0.573	0.557	6.69
54)		2-hexanone (MBK)		0.108	0.142	0.160	0.182	0.209	0.206	0.168	23.33
55)		dibromochlorom...	0.272	0.306	0.315	0.344	0.380	0.389	0.384	0.341	13.25
56)		1,2-dibromoethane	0.273	0.275	0.284	0.300	0.320	0.320	0.311	0.298	6.85
57)	P	chlorobenzene	1.080	1.121	1.056	1.112	1.156	1.144	1.101	1.110	3.16
58)		1-chlorohexane	0.326	0.372	0.352	0.388	0.404	0.397	0.382	0.374	7.34
59)		1,1,1,2-tetrac...	0.313	0.368	0.353	0.380	0.410	0.411	0.400	0.376	9.38
60)	C	ethylbenzene	1.455	1.747	1.723	1.881	1.992	2.001	1.941	1.820	10.73#
61)		m+p-xylene	0.519	0.700	0.695	0.742	0.786	0.788	0.768	0.714	13.15
62)		o-xylene	0.412	0.561	0.595	0.684	0.738	0.745	0.722	0.637	19.19
63)		styrene	0.648	1.031	1.078	1.190	1.262	1.280	1.240	1.104	20.12
64)	P	bromoform	0.175	0.194	0.197	0.221	0.251	0.270	0.275	0.226	17.55
65)	S	#4-Bromofluoro...	0.489	0.514	0.505	0.510	0.505	0.508	0.503	0.505	1.58
66)	I	1,4-Dichlorobenzen...	----------ISTD----------								
67)		isopropylbenzene	1.586	2.150	2.244	2.588	2.814	2.860	2.814	2.436	19.32
68)		bromobenzene	1.154	1.139	1.095	1.149	1.210	1.197	1.167	1.159	3.28
69)	P	1,1,2,2-tetrac...	0.692	0.650	0.646	0.672	0.699	0.684	0.677	0.674	3.01
70)		1,2,3-trichlor...	0.237	0.220	0.214	0.217	0.232	0.228	0.223	0.224	3.66
71)		1,4-dichloro-2...	0.149	0.168	0.174	0.194	0.216	0.223	0.221	0.192	15.25
72)		n-propylbenzene	0.544	0.757	0.777	0.848	0.892	0.897	0.880	0.799	15.72
73)		2-chlorotoluene	0.605	0.733	0.712	0.766	0.805	0.798	0.780	0.743	9.34
74)		1,3,5-trimethy...	1.629	2.362	2.369	2.567	2.711	2.710	2.652	2.428	15.73
75)		4-chlorotoluene	1.817	2.261	2.250	2.429	2.580	2.571	2.509	2.345	11.48
76)		tert-butylbenzene	1.288	1.697	1.765	2.037	2.203	2.234	2.178	1.915	18.24
77)		1,2,4-trimethy...	1.448	2.211	2.280	2.498	2.676	2.687	2.606	2.344	18.64
78)		sec-butylbenzene	1.710	2.464	2.485	2.809	3.031	3.066	3.001	2.652	18.28
79)		1,3-dichlorobe...	1.390	1.460	1.405	1.467	1.553	1.535	1.499	1.473	4.17
80)		4-isopropyltol...	1.966	2.211	2.143	2.323	2.508	2.548	2.504	2.315	9.48
81)		1,4-dichlorobe...	1.613	1.555	1.474	1.526	1.607	1.587	1.554	1.560	3.12
82)		1,2-dichlorobe...	1.235	1.209	1.242	1.316	1.427	1.426	1.400	1.322	7.24
83)		n-butylbenzene	1.118	1.541	1.629	1.876	2.066	2.105	2.063	1.771	20.54
84)		hexachloroethane	0.269	0.271	0.271	0.305	0.349	0.379	0.388	0.319	16.45
85)		1,2-dibromo-3-...	0.082	0.091	0.099	0.110	0.125	0.136	0.141	0.112	20.14
86)		1,2,4-trichlor...	0.532	0.539	0.563	0.642	0.753	0.796	0.790	0.659	18.05

00900

Method Path : C:\msdchem\1\METHODS\
Method File : 8260B-WB62.M

87)	hexachlorobuta...	0.368	0.324	0.295	0.312	0.327	0.324	0.313	0.323	6.93
88)	naphthalene		0.835	1.052	1.357	1.636	1.740	1.774	1.399	27.72
89)	1,2,3-trichlor...	0.468	0.507	0.543	0.599	0.666	0.677	0.674	0.591	14.60
90)	2-methylnaphth...		0.165	0.212	0.288	0.429	0.511	0.515	0.353	43.24

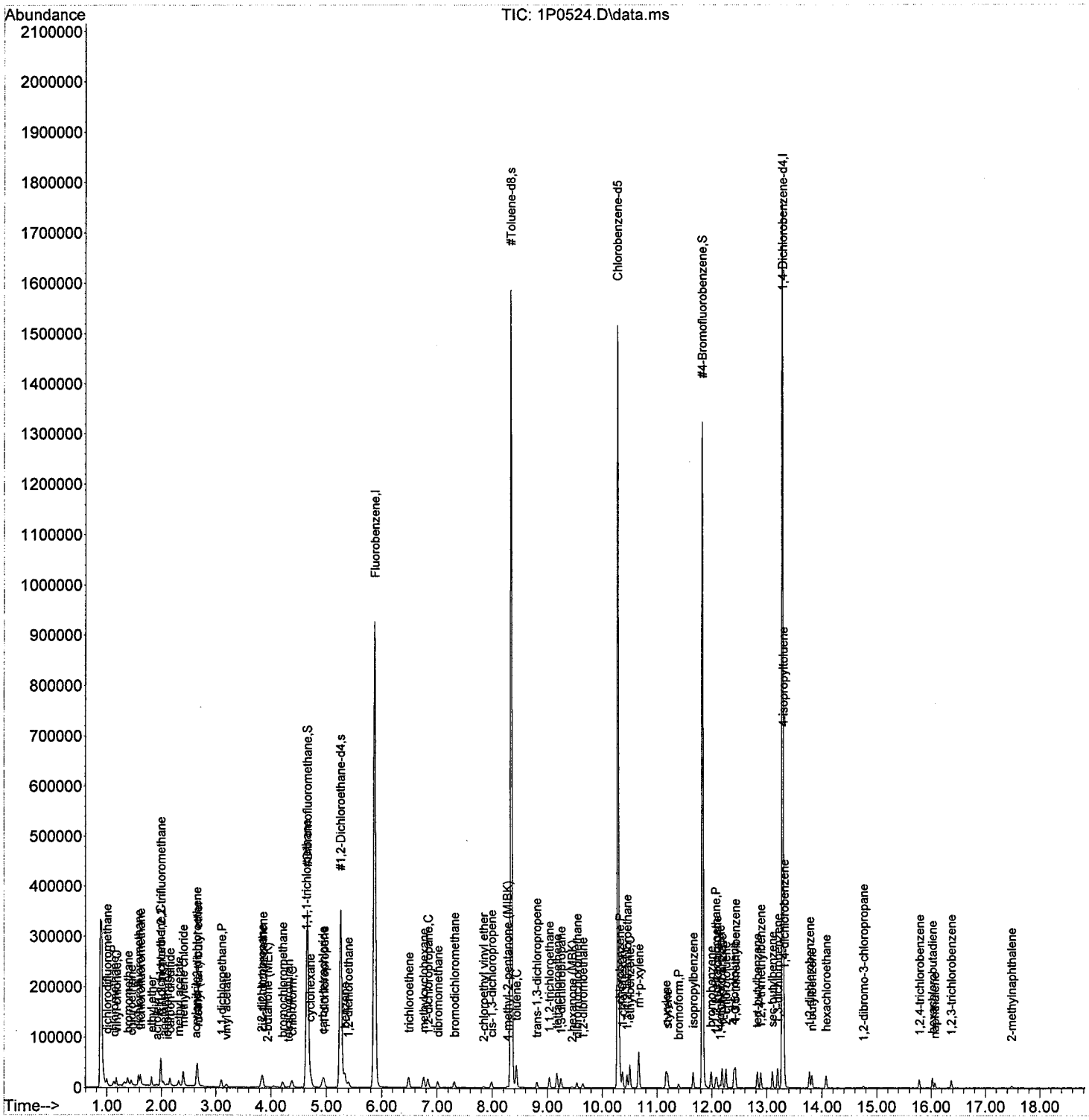
(#) = Out of Range

00661

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 1P0524.D
Acq On : 24 May 2012 11:03
Operator : LEW
Sample : 1P0524
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 11:30:08 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration



00662

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 1P0524.D
Acq On : 24 May 2012 11:03
Operator : LEW
Sample : 1P0524
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 11:30:08 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.872	96	1144811	40.00 ug/L	0.00
51) Chlorobenzene-d5	10.286	117	883716	40.00 ug/L	-0.01
66) 1,4-Dichlorobenzene-d4	13.292	152	508692	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	4.653	111	314578	39.57 ug/L	-0.02
Spiked Amount 40.000			Recovery	= 98.92%	
37) #1,2-Dichloroethane-d4	5.251	67	194115	40.66 ug/L	-0.02
Spiked Amount 40.000			Recovery	= 101.65%	
47) #Toluene-d8	8.341	98	1110126	38.61 ug/L	-0.01
Spiked Amount 40.000			Recovery	= 96.52%	
65) #4-Bromofluorobenzene	11.835	95	432008	38.35 ug/L	0.00
Spiked Amount 40.000			Recovery	= 95.88%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.001	85	9520	0.91 ug/L	98
3) chloromethane	1.136	50	10937	1.20 ug/L	100
4) vinyl chloride	1.178	62	11977	1.13 ug/L	93
5) bromomethane	1.386	94	8335	1.21 ug/L	96
6) chloroethane	1.446	64	7260	1.10 ug/L	98
7) dichlorofluoromethane	1.581	67	18248	1.10 ug/L	98
8) trichlorofluoromethane	1.617	101	16575	0.97 ug/L	99
9) ethyl ether	1.818	74	5104	1.14 ug/L	96
10) acrolein	1.910	56	1188	1.07 ug/L #	94
11) 1,1,2-trichloro-1,2,2-...	1.989	101	10013	1.13 ug/L	94
12) 1,1-dichloroethene	1.983	96	8876	0.98 ug/L	89
13) acetone	2.038	43	9821	3.70 ug/L	93
14) iodomethane	2.105	142	4090	0.35 ug/L	84
15) carbon disulfide	2.154	76	19738	0.96 ug/L	98
16) methyl acetate	2.312	43	12563	1.93 ug/L	92
17) methylene chloride	2.391	49	17072	1.50 ug/L	97
18) acrylonitrile	2.623	53	2984	0.97 ug/L #	88
19) trans-1,2-dichloroethene	2.648	96	10320	1.08 ug/L	98
20) methyl (tert) butyl ether	2.666	73	21940	0.99 ug/L	97
21) 1,1-dichloroethane	3.099	63	15514	1.04 ug/L	98
22) vinyl acetate	3.184	43	8423	0.74 ug/L	94
23) 2,2-dichloropropane	3.836	77	9554	0.94 ug/L	97
24) cis-1,2-dichloroethene	3.855	96	8869	0.98 ug/L	94
25) 2-butanone (MEK)	3.934	43	2869	0.91 ug/L	79
26) bromochloromethane	4.208	49	6658	1.05 ug/L	86
27) tetrahydrofuran	4.312	71	305	0.40 ug/L #	1
28) chloroform	4.379	83	15228	0.98 ug/L	97
30) 1,1,1-trichloroethane	4.635	97	13657	1.01 ug/L #	90
31) cyclohexane	4.702	56	10377	0.86 ug/L	90
32) carbon tetrachloride	4.934	117	11838	0.97 ug/L	98
33) 1,1-dichloropropene	4.958	75	9423	0.82 ug/L	98
34) benzene	5.330	78	31447	0.97 ug/L #	74
35) 1,2-dichloroethane	5.391	62	12425	1.01 ug/L	98
36) heptane	5.866	57	37031	No Calib	
38) trichloroethene	6.488	130	9588	0.98 ug/L	95

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 1P0524.D
Acq On : 24 May 2012 11:03
Operator : LEW
Sample : 1P0524
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 11:30:08 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

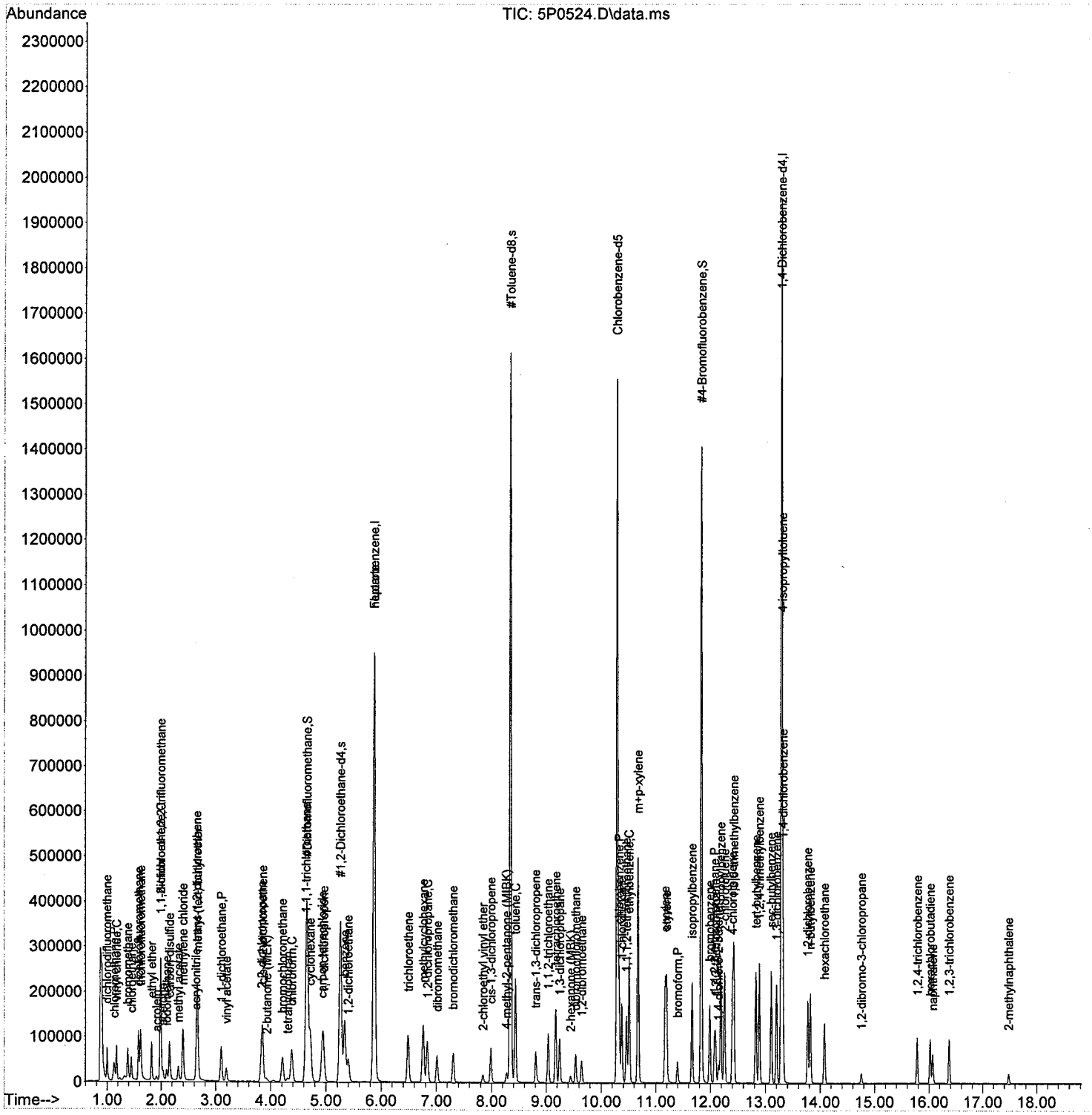
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	6.756	83	8666	1.77 ug/L	94
40)	1,2-dichloropropane	6.836	63	7079	0.94 ug/L	92
41)	dibromomethane	7.013	93	5065	1.01 ug/L	93
42)	1,4-dioxane	0.000		0	N.D.	
43)	bromodichloromethane	7.311	83	9417	0.85 ug/L	99
44)	2-chloroethyl vinyl ether	7.842	63	1210	4.76 ug/L #	63
45)	cis-1,3-dichloropropene	7.988	75	7856	1.33 ug/L	94
46)	4-methyl-2-pentanone (...	8.274	43	2862	2.81 ug/L	86
48)	toluene	8.433	91	34633	0.98 ug/L	100
49)	trans-1,3-dichloropropene	8.805	75	7040	2.93 ug/L	96
50)	1,1,2-trichloroethane	9.036	83	5802	1.01 ug/L	91
52)	tetrachloroethene	9.177	166	10537	0.98 ug/L	99
53)	1,3-dichloropropane	9.250	76	11136	0.96 ug/L	97
54)	2-hexanone (MBK)	9.451	43	1806	3.41 ug/L #	80
55)	dibromochloromethane	9.542	129	6011	0.78 ug/L	91
56)	1,2-dibromoethane	9.646	109	6030	0.92 ug/L #	100
57)	chlorobenzene	10.323	112	23852	1.00 ug/L	95
58)	1-chlorohexane	10.372	55	7195	0.98 ug/L	89
59)	1,1,1,2-tetrachloroethane	10.457	131	6921	0.84 ug/L	89
60)	ethylbenzene	10.506	91	32137	0.84 ug/L	99
61)	m+p-xylene	10.670	106	22939	1.50 ug/L	93
62)	o-xylene	11.170	106	9100	1.81 ug/L	97
63)	styrene	11.195	104	14314	1.83 ug/L	97
64)	bromoform	11.396	173	3866	3.40 ug/L	100
67)	isopropylbenzene	11.664	105	20166	1.73 ug/L	99
68)	bromobenzene	11.987	77	14682	1.08 ug/L	93
69)	1,1,2,2-tetrachloroethane	12.072	83	8798	1.06 ug/L #	99
70)	1,2,3-trichloropropane	12.097	110	3012	1.05 ug/L	95
71)	1,4-dichloro-2-butene	12.152	53	1897	1.53 ug/L #	85
72)	n-propylbenzene	12.188	120	6917	0.70 ug/L #	86
73)	2-chlorotoluene	12.255	126	7692	0.84 ug/L	95
74)	1,3,5-trimethylbenzene	12.426	105	20717	0.71 ug/L	94
75)	4-chlorotoluene	12.408	91	23105	0.80 ug/L	95
76)	tert-butylbenzene	12.822	119	16383	1.51 ug/L	96
77)	1,2,4-trimethylbenzene	12.889	105	18411	1.17 ug/L	95
78)	sec-butylbenzene	13.103	105	21750	1.26 ug/L	98
79)	1,3-dichlorobenzene	13.200	146	17682	0.96 ug/L	98
80)	4-isopropyltoluene	13.304	119	25005	0.81 ug/L	95
81)	1,4-dichlorobenzene	13.316	146	20517	1.07 ug/L #	76
82)	1,2-dichlorobenzene	13.773	146	15703	0.94 ug/L	97
83)	n-butylbenzene	13.816	91	14215	1.18 ug/L	99
84)	hexachloroethane	14.078	201	3421	3.48 ug/L #	77
85)	1,2-dibromo-3-chloropr...	14.755	157	1048	2.76 ug/L	88
86)	1,2,4-trichlorobenzene	15.785	180	6766	0.74 ug/L	94
87)	hexachlorobutadiene	16.023	225	4679	1.09 ug/L	95
88)	naphthalene	16.066	128	9473	2.56 ug/L	96
89)	1,2,3-trichlorobenzene	16.370	180	5952	0.71 ug/L	96
90)	2-methylnaphthalene	17.480	142	2723	3.17 ug/L	96

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 5P0524.D
Acq On : 24 May 2012 11:30
Operator : LEW
Sample : 5P0524
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 14:38:21 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:37:47 2012
Response via : Initial Calibration



00665

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 5P0524.D
Acq On : 24 May 2012 11:30
Operator : LEW
Sample : 5P0524
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 14:38:21 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:37:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.866	96	1177221	40.00	ug/L	-0.01
51) Chlorobenzene-d5	10.286	117	908250	40.00	ug/L	-0.01
66) 1,4-Dichlorobenzene-d4	13.286	152	539198	40.00	ug/L	#-0.01
System Monitoring Compounds						
29) #Dibromofluoromethane	4.653	111	325097	40.20	ug/L	-0.02
Spiked Amount 40.000			Recovery	=	100.50%	
37) #1,2-Dichloroethane-d4	5.257	67	196270	39.33	ug/L	-0.01
Spiked Amount 40.000			Recovery	=	98.32%	
47) #Toluene-d8	8.342	98	1162082	40.72	ug/L	-0.01
Spiked Amount 40.000			Recovery	=	101.80%	
65) #4-Bromofluorobenzene	11.835	95	466619	42.04	ug/L	0.00
Spiked Amount 40.000			Recovery	=	105.10%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.995	85	49699	5.08	ug/L	99
3) chloromethane	1.129	50	52985	4.71	ug/L	100
4) vinyl chloride	1.172	62	58943	4.79	ug/L	99
5) bromomethane	1.379	94	40348	4.71	ug/L	96
6) chloroethane	1.447	64	35746	4.79	ug/L	99
7) dichlorofluoromethane	1.581	67	92811	4.95	ug/L	100
8) trichlorofluoromethane	1.617	101	86012	5.05	ug/L	100
9) ethyl ether	1.818	74	26060	4.97	ug/L	97
10) acrolein	1.910	56	5740	4.70	ug/L #	97
11) 1,1,2-trichloro-1,2,2-...	1.989	101	53269	5.17	ug/L	97
12) 1,1-dichloroethene	1.989	96	43983	4.82	ug/L	92
13) acetone	2.032	43	20541	2.03	ug/L	92
14) iodomethane	2.099	142	27483	6.53	ug/L	89
15) carbon disulfide	2.154	76	107307	5.29	ug/L	99
16) methyl acetate	2.312	43	37514	2.90	ug/L	97
17) methylene chloride	2.391	49	64715	3.69	ug/L	99
18) acrylonitrile	2.629	53	15115	4.93	ug/L	98
19) trans-1,2-dichloroethene	2.648	96	50554	4.76	ug/L	97
20) methyl (tert) butyl ether	2.660	73	108986	4.83	ug/L	96
21) 1,1-dichloroethane	3.099	63	79128	4.96	ug/L	99
22) vinyl acetate	3.190	43	45288	5.23	ug/L	97
23) 2,2-dichloropropane	3.836	77	50891	5.18	ug/L	92
24) cis-1,2-dichloroethene	3.855	96	45105	4.95	ug/L	93
25) 2-butanone (MEK)	3.928	43	12291	4.17	ug/L	96
26) bromochloromethane	4.208	49	34882	5.09	ug/L	84
27) tetrahydrofuran	4.306	71	2556	8.15	ug/L #	80
28) chloroform	4.379	83	81199	5.19	ug/L	100
30) 1,1,1-trichloroethane	4.635	97	69044	4.92	ug/L	96
31) cyclohexane	4.714	56	64642	6.06	ug/L	91
32) carbon tetrachloride	4.928	117	62542	5.14	ug/L	99
33) 1,1-dichloropropene	4.958	75	55694	5.75	ug/L	99
34) benzene	5.330	78	170990	5.29	ug/L #	72
35) 1,2-dichloroethane	5.391	62	60985	4.77	ug/L	96
36) heptane	5.866	57	37790	0.99	ug/L	98
38) trichloroethene	6.488	130	47201	4.79	ug/L	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 5P0524.D
Acq On : 24 May 2012 11:30
Operator : LEW
Sample : 5P0524
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 14:38:21 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:37:47 2012
Response via : Initial Calibration

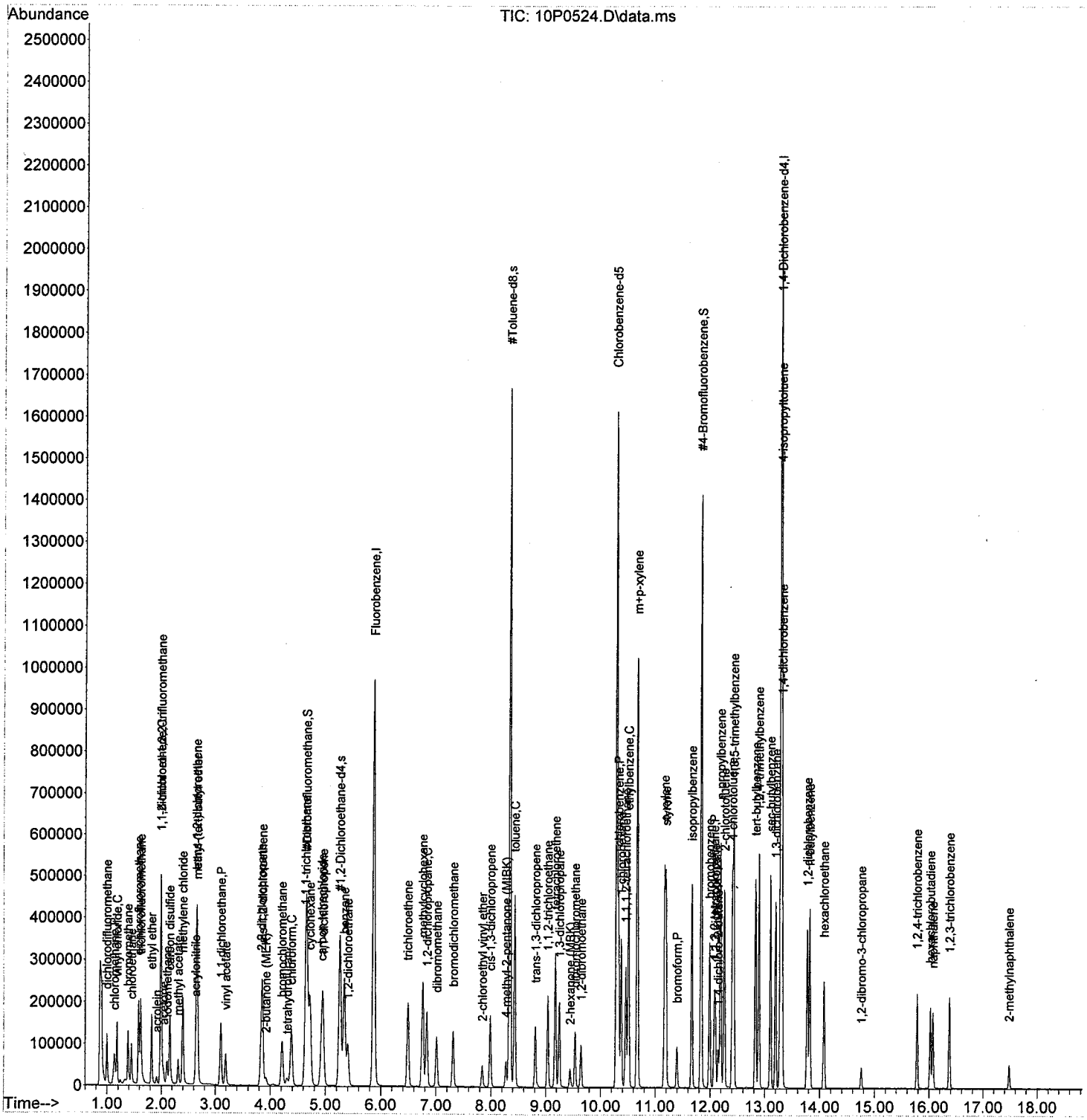
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	6.763	83	56561	6.35 ug/L	95
40)	1,2-dichloropropane	6.836	63	40246	5.53 ug/L	96
41)	dibromomethane	7.013	93	24824	4.77 ug/L	95
42)	1,4-dioxane	0.000		0	N.D.	
43)	bromodichloromethane	7.305	83	50999	5.27 ug/L	100
44)	2-chloroethyl vinyl ether	7.842	63	8274	6.65 ug/L	96
45)	cis-1,3-dichloropropene	7.988	75	47056	5.82 ug/L	90
46)	4-methyl-2-pentanone (...	8.268	43	17411	5.92 ug/L	95
48)	toluene	8.433	91	182276	5.12 ug/L	100
49)	trans-1,3-dichloropropene	8.805	75	38940	5.38 ug/L	96
50)	1,1,2-trichloroethane	9.037	83	28806	4.83 ug/L	98
52)	tetrachloroethene	9.177	166	55472	5.12 ug/L	99
53)	1,3-dichloropropane	9.250	76	60011	5.24 ug/L	100
54)	2-hexanone (MBK)	9.445	43	12230	6.59 ug/L	93
55)	dibromochloromethane	9.536	129	34738	5.62 ug/L	98
56)	1,2-dibromoethane	9.646	109	31227	5.04 ug/L #	100
57)	chlorobenzene	10.323	112	127214	5.19 ug/L	96
58)	1-chlorohexane	10.372	55	42230	5.71 ug/L	92
59)	1,1,1,2-tetrachloroethane	10.457	131	41731	5.87 ug/L	96
60)	ethylbenzene	10.506	91	198380	6.01 ug/L	98
61)	m+p-xylene	10.670	106	158986	13.49 ug/L	91
62)	o-xylene	11.170	106	63662	6.81 ug/L	93
63)	styrene	11.195	104	117038	7.96 ug/L	92
64)	bromoform	11.396	173	22038	5.55 ug/L	98
67)	isopropylbenzene	11.664	105	144911	6.78 ug/L	98
68)	bromobenzene	11.987	77	76756	4.93 ug/L	93
69)	1,1,2,2-tetrachloroethane	12.072	83	43815	4.70 ug/L #	97
70)	1,2,3-trichloropropane	12.097	110	14836	4.65 ug/L	91
71)	1,4-dichloro-2-butene	12.146	53	11302	5.62 ug/L #	76
72)	n-propylbenzene	12.188	120	51008	6.96 ug/L	97
73)	2-chlorotoluene	12.261	126	49371	6.06 ug/L	99
74)	1,3,5-trimethylbenzene	12.426	105	159175	7.25 ug/L	96
75)	4-chlorotoluene	12.402	91	152361	6.22 ug/L	97
76)	tert-butylbenzene	12.828	119	114352	6.59 ug/L	97
77)	1,2,4-trimethylbenzene	12.889	105	149001	7.64 ug/L	95
78)	sec-butylbenzene	13.103	105	166056	7.20 ug/L	99
79)	1,3-dichlorobenzene	13.200	146	98412	5.25 ug/L	99
80)	4-isopropyltoluene	13.304	119	149039	5.62 ug/L	98
81)	1,4-dichlorobenzene	13.316	146	104836	4.82 ug/L	96
82)	1,2-dichlorobenzene	13.767	146	81472	4.89 ug/L	98
83)	n-butylbenzene	13.816	91	103881	6.89 ug/L	99
84)	hexachloroethane	14.078	201	18271	5.04 ug/L #	77
85)	1,2-dibromo-3-chloropr...	14.755	157	6133	5.52 ug/L	95
86)	1,2,4-trichlorobenzene	15.785	180	36333	5.07 ug/L	97
87)	hexachlorobutadiene	16.023	225	21847	4.40 ug/L	97
88)	naphthalene	16.072	128	56303	5.61 ug/L	96
89)	1,2,3-trichlorobenzene	16.370	180	34144	5.41 ug/L	97
90)	2-methylnaphthalene	17.480	142	11114	3.85 ug/L	96

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 10P0524.D
Acq On : 24 May 2012 11:58
Operator : LEW
Sample : 1205367-24
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 12:30:01 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration



00668

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 10P0524.D
Acq On : 24 May 2012 11:58
Operator : LEW
Sample : 1205367-24
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 12:30:01 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.872	96	1193989	40.00	ug/L	0.00
51) Chlorobenzene-d5	10.286	117	933234	40.00	ug/L	-0.01
66) 1,4-Dichlorobenzene-d4	13.292	152	555626	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	4.653	111	329764	39.77	ug/L	-0.02
Spiked Amount 40.000			Recovery = 99.43%			
37) #1,2-Dichloroethane-d4	5.257	67	199936	40.15	ug/L	-0.01
Spiked Amount 40.000			Recovery = 100.37%			
47) #Toluene-d8	8.341	98	1200191	40.02	ug/L	-0.01
Spiked Amount 40.000			Recovery = 100.05%			
65) #4-Bromofluorobenzene	11.835	95	470925	39.58	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.95%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.995	85	91219	8.35	ug/L	98
3) chloromethane	1.129	50	99135	10.40	ug/L	99
4) vinyl chloride	1.178	62	109909	9.95	ug/L	99
5) bromomethane	1.379	94	74329	10.32	ug/L	99
6) chloroethane	1.446	64	68749	9.96	ug/L	100
7) dichlorofluoromethane	1.580	67	173150	9.98	ug/L	100
8) trichlorofluoromethane	1.617	101	160939	9.00	ug/L	100
9) ethyl ether	1.818	74	52983	11.34	ug/L	97
10) acrolein	1.910	56	11584	9.96	ug/L	100
11) 1,1,2-trichloro-1,2,2-...	1.989	101	99782	10.84	ug/L	96
12) 1,1-dichloroethene	1.989	96	83797	8.91	ug/L	91
13) acetone	2.038	43	32368	11.70	ug/L #	86
14) iodomethane	2.105	142	68680	5.59	ug/L	89
15) carbon disulfide	2.154	76	219706	10.23	ug/L	99
16) methyl acetate	2.312	43	70940	10.46	ug/L	95
17) methylene chloride	2.391	49	121968	10.30	ug/L	99
18) acrylonitrile	2.629	53	31154	9.74	ug/L	96
19) trans-1,2-dichloroethene	2.647	96	95386	9.57	ug/L	98
20) methyl (tert) butyl ether	2.660	73	221624	9.62	ug/L	95
21) 1,1-dichloroethane	3.098	63	156647	10.09	ug/L	99
22) vinyl acetate	3.190	43	117456	9.96	ug/L	98
23) 2,2-dichloropropane	3.836	77	100905	9.47	ug/L	93
24) cis-1,2-dichloroethene	3.854	96	88896	9.46	ug/L	95
25) 2-butanone (MEK)	3.915	43	29905	9.06	ug/L	96
26) bromochloromethane	4.208	49	68266	10.36	ug/L	85
27) tetrahydrofuran	4.306	71	6047	7.68	ug/L	85
28) chloroform	4.379	83	156129	9.68	ug/L	100
30) 1,1,1-trichloroethane	4.635	97	133227	9.47	ug/L	96
31) cyclohexane	4.714	56	132751	10.59	ug/L	92
32) carbon tetrachloride	4.933	117	120376	9.41	ug/L	99
33) 1,1-dichloropropene	4.958	75	111498	9.30	ug/L	98
34) benzene	5.336	78	333753	9.89	ug/L	92
35) 1,2-dichloroethane	5.397	62	120897	9.42	ug/L	94
36) heptane	5.872	57	38716	No Calib		
38) trichloroethene	6.482	130	91253	8.91	ug/L	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 10P0524.D
Acq On : 24 May 2012 11:58
Operator : LEW
Sample : 1205367-24
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 12:30:01 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

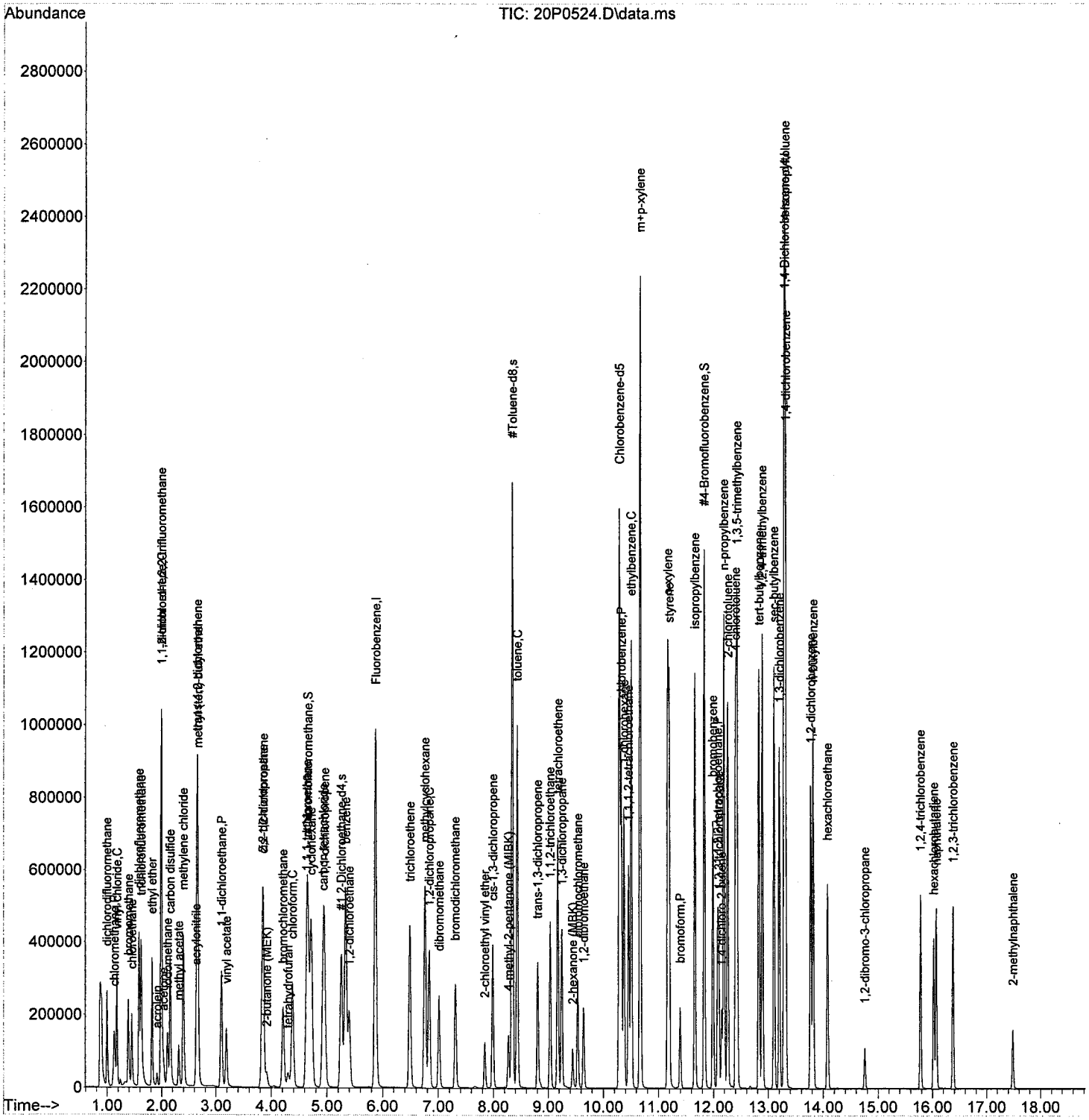
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	6.756	83	118209	9.64 ug/L	96
40)	1,2-dichloropropane	6.836	63	78943	10.03 ug/L	97
41)	dibromomethane	7.012	93	49224	9.39 ug/L	94
42)	1,4-dioxane	0.000		0	N.D.	
43)	bromodichloromethane	7.311	83	101003	8.75 ug/L	98
44)	2-chloroethyl vinyl ether	7.841	63	22978	12.92 ug/L	97
45)	cis-1,3-dichloropropene	7.988	75	105352	8.64 ug/L	91
46)	4-methyl-2-pentanone (...	8.274	43	46794	9.25 ug/L	95
48)	toluene	8.433	91	356691	9.71 ug/L	99
49)	trans-1,3-dichloropropene	8.811	75	84181	8.62 ug/L	97
50)	1,1,2-trichloroethane	9.036	83	58663	9.83 ug/L	95
52)	tetrachloroethene	9.177	166	106897	9.44 ug/L	99
53)	1,3-dichloropropane	9.250	76	123990	10.11 ug/L	100
54)	2-hexanone (MBK)	9.445	43	33239	10.14 ug/L	95
55)	dibromochloromethane	9.536	129	73561	9.07 ug/L	100
56)	1,2-dibromoethane	9.646	109	66228	9.55 ug/L #	100
57)	chlorobenzene	10.323	112	246325	9.78 ug/L	98
58)	1-chlorohexane	10.371	55	82090	10.62 ug/L	96
59)	1,1,1,2-tetrachloroethane	10.457	131	82278	9.45 ug/L	95
60)	ethylbenzene	10.506	91	401917	9.89 ug/L	98
61)	m+p-xylene	10.670	106	324478	20.12 ug/L	91
62)	o-xylene	11.170	106	138870	9.48 ug/L	92
63)	styrene	11.194	104	251502	9.86 ug/L	91
64)	bromoform	11.396	173	46060	9.46 ug/L	99
67)	isopropylbenzene	11.664	105	311680	9.12 ug/L	98
68)	bromobenzene	11.987	77	152123	10.26 ug/L	94
69)	1,1,2,2-tetrachloroethane	12.072	83	89677	9.90 ug/L #	97
70)	1,2,3-trichloropropane	12.097	110	29699	9.51 ug/L	92
71)	1,4-dichloro-2-butene	12.145	53	24156	9.02 ug/L	89
72)	n-propylbenzene	12.188	120	107906	10.06 ug/L	95
73)	2-chlorotoluene	12.261	126	98949	9.90 ug/L	97
74)	1,3,5-trimethylbenzene	12.426	105	329032	10.35 ug/L	96
75)	4-chlorotoluene	12.402	91	312564	9.95 ug/L	96
76)	tert-butylbenzene	12.828	119	245209	9.19 ug/L	97
77)	1,2,4-trimethylbenzene	12.889	105	316684	9.67 ug/L	96
78)	sec-butylbenzene	13.103	105	345181	9.20 ug/L	99
79)	1,3-dichlorobenzene	13.200	146	195105	9.73 ug/L	99
80)	4-isopropyltoluene	13.304	119	297615	8.82 ug/L	97
81)	1,4-dichlorobenzene	13.316	146	204811	9.79 ug/L	97
82)	1,2-dichlorobenzene	13.773	146	172472	9.47 ug/L	99
83)	n-butylbenzene	13.816	91	226327	8.70 ug/L	99
84)	hexachloroethane	14.078	201	37687	9.84 ug/L #	81
85)	1,2-dibromo-3-chloropr...	14.755	157	13758	8.59 ug/L	97
86)	1,2,4-trichlorobenzene	15.779	180	78158	7.86 ug/L	98
87)	hexachlorobutadiene	16.023	225	41024	8.73 ug/L	99
88)	naphthalene	16.072	128	146197	7.56 ug/L	97
89)	1,2,3-trichlorobenzene	16.376	180	75395	8.24 ug/L	99
90)	2-methylnaphthalene	17.480	142	29381	5.99 ug/L	97

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 20P0524.D
Acq On : 24 May 2012 12:26
Operator : LEW
Sample : 1205367-25
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 13:01:08 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration



00671

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 20P0524.D
Acq On : 24 May 2012 12:26
Operator : LEW
Sample : 1205367-25
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 13:01:08 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.872	96	1222829	40.00	ug/L	0.00
51) Chlorobenzene-d5	10.292	117	949498	40.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.292	152	569874	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	4.653	111	334903	39.44	ug/L	-0.02
Spiked Amount 40.000			Recovery = 98.60%			
37) #1,2-Dichloroethane-d4	5.257	67	202423	39.69	ug/L	-0.01
Spiked Amount 40.000			Recovery = 99.22%			
47) #Toluene-d8	8.341	98	1233063	40.14	ug/L	-0.01
Spiked Amount 40.000			Recovery = 100.35%			
65) #4-Bromofluorobenzene	11.835	95	484658	40.04	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.10%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.995	85	193736	17.31	ug/L	100
3) chloromethane	1.129	50	211294	21.65	ug/L	98
4) vinyl chloride	1.178	62	232933	20.60	ug/L	100
5) bromomethane	1.386	94	143108	19.41	ug/L	100
6) chloroethane	1.446	64	143776	20.33	ug/L	99
7) dichlorofluoromethane	1.581	67	366980	20.66	ug/L	100
8) trichlorofluoromethane	1.617	101	338782	18.51	ug/L	99
9) ethyl ether	1.818	74	112620	23.53	ug/L	96
10) acrolein	1.910	56	24458	20.54	ug/L	99
11) 1,1,2-trichloro-1,2,2-...	1.989	101	211272	22.41	ug/L	96
12) 1,1-dichloroethene	1.989	96	180689	18.76	ug/L	89
13) acetone	2.032	43	59180	20.89	ug/L #	88
14) iodomethane	2.105	142	180253	14.32	ug/L	90
15) carbon disulfide	2.154	76	457533	20.80	ug/L	100
16) methyl acetate	2.312	43	133023	19.15	ug/L	98
17) methylene chloride	2.391	49	248010	20.45	ug/L	98
18) acrylonitrile	2.629	53	64783	19.77	ug/L	95
19) trans-1,2-dichloroethene	2.647	96	203484	19.93	ug/L	97
20) methyl (tert) butyl ether	2.660	73	471144	19.96	ug/L	94
21) 1,1-dichloroethane	3.099	63	340177	21.40	ug/L	98
22) vinyl acetate	3.190	43	253466	20.99	ug/L	99
23) 2,2-dichloropropane	3.842	77	225945	20.71	ug/L	93
24) cis-1,2-dichloroethene	3.855	96	195245	20.29	ug/L	96
25) 2-butanone (MEK)	3.916	43	60065	17.76	ug/L	99
26) bromochloromethane	4.208	49	143272	21.24	ug/L	84
27) tetrahydrofuran	4.300	71	13545	16.80	ug/L	85
28) chloroform	4.379	83	332351	20.13	ug/L	100
30) 1,1,1-trichloroethane	4.635	97	289049	20.07	ug/L	96
31) cyclohexane	4.714	56	313901	24.44	ug/L	91
32) carbon tetrachloride	4.934	117	263360	20.10	ug/L	98
33) 1,1-dichloropropene	4.958	75	251510	20.49	ug/L	99
34) benzene	5.336	78	722909	20.93	ug/L	93
35) 1,2-dichloroethane	5.397	62	253692	19.29	ug/L	94
36) heptane	5.872	57	39522	No Calib		
38) trichloroethene	6.488	130	201552	19.21	ug/L	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 20P0524.D
Acq On : 24 May 2012 12:26
Operator : LEW
Sample : 1205367-25
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 13:01:08 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

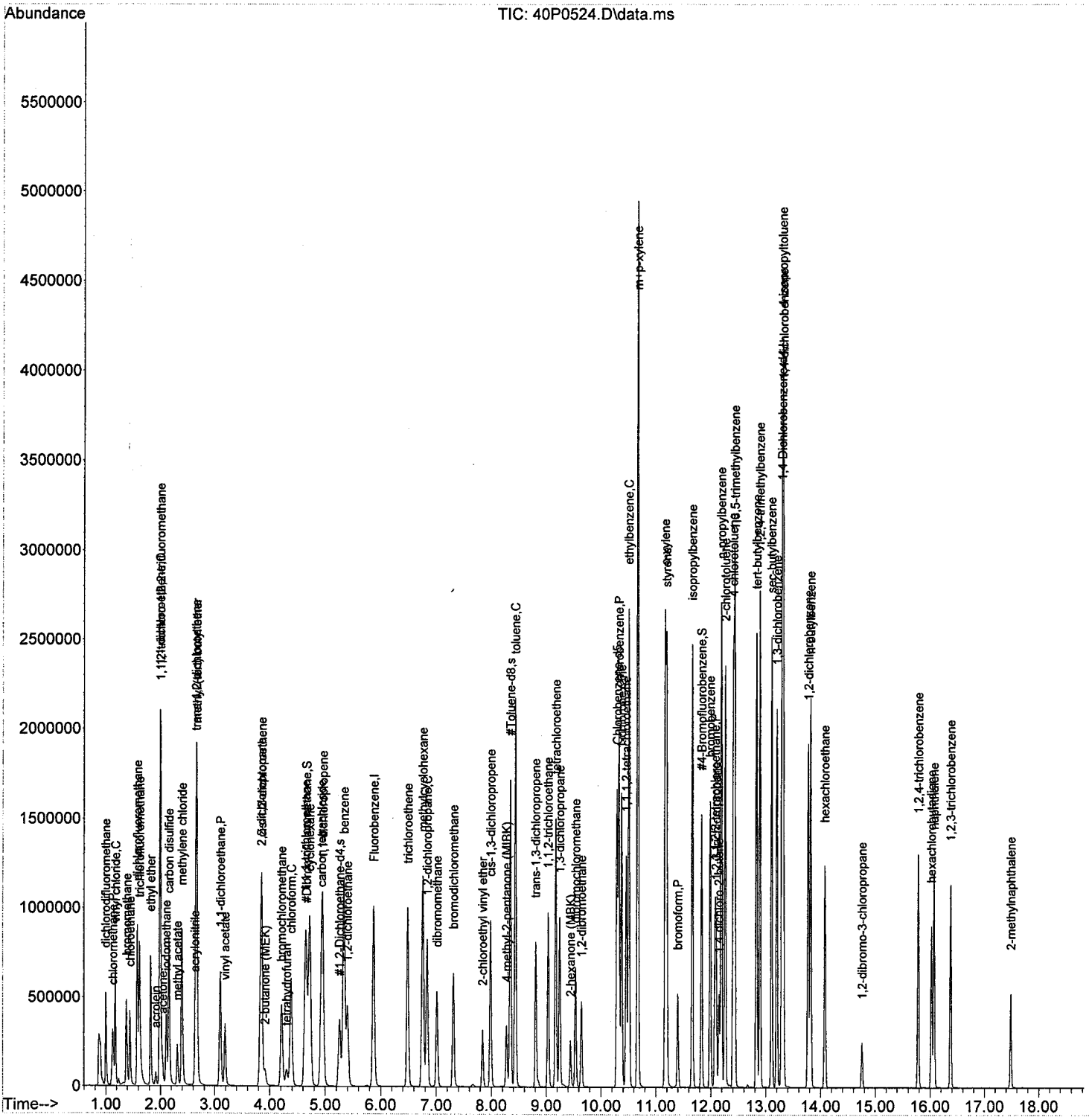
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	6.756	83	280135	20.85 ug/L	97
40)	1,2-dichloropropane	6.836	63	169126	20.99 ug/L	97
41)	dibromomethane	7.012	93	104697	19.49 ug/L	94
42)	1,4-dioxane	7.012	88	279	No Calib #	
43)	bromodichloromethane	7.305	83	222778	18.83 ug/L	100
44)	2-chloroethyl vinyl ether	7.842	63	57338	25.33 ug/L	96
45)	cis-1,3-dichloropropene	7.988	75	246518	18.83 ug/L	91
46)	4-methyl-2-pentanone (...	8.274	43	106723	17.68 ug/L	96
48)	toluene	8.433	91	774288	20.59 ug/L	100
49)	trans-1,3-dichloropropene	8.805	75	198265	16.72 ug/L	96
50)	1,1,2-trichloroethane	9.036	83	124829	20.43 ug/L	94
52)	tetrachloroethene	9.177	166	230056	19.96 ug/L	98
53)	1,3-dichloropropane	9.250	76	267136	21.40 ug/L	100
54)	2-hexanone (MBK)	9.445	43	76104	19.08 ug/L	97
55)	dibromochloromethane	9.542	129	163307	19.80 ug/L	100
56)	1,2-dibromoethane	9.646	109	142613	20.21 ug/L #	100
57)	chlorobenzene	10.323	112	527912	20.61 ug/L	99
58)	1-chlorohexane	10.372	55	183969	23.40 ug/L	99
59)	1,1,1,2-tetrachloroethane	10.457	131	180440	20.36 ug/L	96
60)	ethylbenzene	10.506	91	892915	21.61 ug/L	98
61)	m+p-xylene	10.670	106	704700	42.94 ug/L	91
62)	o-xylene	11.170	106	324707	20.18 ug/L	90
63)	styrene	11.195	104	565150	20.19 ug/L	92
64)	bromoform	11.396	173	105069	17.73 ug/L	100
67)	isopropylbenzene	11.664	105	737288	19.52 ug/L	97
68)	bromobenzene	11.987	77	327271	21.52 ug/L	94
69)	1,1,2,2-tetrachloroethane	12.079	83	191337	20.59 ug/L #	100
70)	1,2,3-trichloropropane	12.097	110	61924	19.34 ug/L	90
71)	1,4-dichloro-2-butene	12.146	53	55218	19.08 ug/L	89
72)	n-propylbenzene	12.188	120	241633	21.97 ug/L	97
73)	2-chlorotoluene	12.261	126	218341	21.29 ug/L	98
74)	1,3,5-trimethylbenzene	12.426	105	731343	22.42 ug/L	96
75)	4-chlorotoluene	12.402	91	692069	21.48 ug/L	97
76)	tert-butylbenzene	12.828	119	580543	20.02 ug/L	96
77)	1,2,4-trimethylbenzene	12.889	105	711891	20.48 ug/L	95
78)	sec-butylbenzene	13.103	105	800342	19.95 ug/L	99
79)	1,3-dichlorobenzene	13.200	146	417990	20.32 ug/L	99
80)	4-isopropyltoluene	13.304	119	661990	19.12 ug/L	97
81)	1,4-dichlorobenzene	13.316	146	434893	20.27 ug/L	99
82)	1,2-dichlorobenzene	13.773	146	375049	20.07 ug/L	100
83)	n-butylbenzene	13.816	91	534492	19.22 ug/L	100
84)	hexachloroethane	14.078	201	87045	18.66 ug/L #	87
85)	1,2-dibromo-3-chloropr...	14.755	157	31378	16.38 ug/L	97
86)	1,2,4-trichlorobenzene	15.779	180	182807	17.93 ug/L	99
87)	hexachlorobutadiene	16.023	225	88930	18.45 ug/L	99
88)	naphthalene	16.072	128	386778	16.06 ug/L	97
89)	1,2,3-trichlorobenzene	16.376	180	170750	18.19 ug/L	99
90)	2-methylnaphthalene	17.486	142	82021	11.41 ug/L	97

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 40P0524.D
Acq On : 24 May 2012 12:54
Operator : LEW
Sample : 40P0524
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 13:43:26 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration



00674

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 40P0524.D
Acq On : 24 May 2012 12:54
Operator : LEW
Sample : 40P0524
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 13:43:26 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.872	96	1251709	40.00 ug/L	0.00
51) Chlorobenzene-d5	10.292	117	977526	40.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.292	152	588837	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	4.659	111	340534	39.18 ug/L	-0.01
Spiked Amount 40.000			Recovery	= 97.95%	
37) #1,2-Dichloroethane-d4	5.257	67	206571	39.57 ug/L	-0.01
Spiked Amount 40.000			Recovery	= 98.92%	
47) #Toluene-d8	8.341	98	1263888	40.20 ug/L	-0.01
Spiked Amount 40.000			Recovery	= 100.50%	
65) #4-Bromofluorobenzene	11.835	95	493228	39.58 ug/L	0.00
Spiked Amount 40.000			Recovery	= 98.95%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.995	85	400418	34.95 ug/L	100
3) chloromethane	1.129	50	440629	44.11 ug/L	100
4) vinyl chloride	1.178	62	493723	42.65 ug/L	100
5) bromomethane	1.385	94	293542	38.89 ug/L	100
6) chloroethane	1.446	64	301999	41.72 ug/L	100
7) dichlorofluoromethane	1.580	67	769803	42.33 ug/L	100
8) trichlorofluoromethane	1.617	101	704201	37.58 ug/L	100
9) ethyl ether	1.818	74	243892	49.79 ug/L	97
10) acrolein	1.910	56	52981	43.47 ug/L	100
11) 1,1,2-trichloro-1,2,2-...	1.995	101	437486	45.33 ug/L	97
12) 1,1-dichloroethene	1.989	96	380061	38.55 ug/L	90
13) acetone	2.038	43	119199	41.10 ug/L #	88
14) iodomethane	2.105	142	486837	37.79 ug/L	90
15) carbon disulfide	2.154	76	1073410	47.68 ug/L	100
16) methyl acetate	2.312	43	269216	37.86 ug/L	99
17) methylene chloride	2.391	49	512964	41.32 ug/L	99
18) acrylonitrile	2.629	53	136711	40.76 ug/L	95
19) trans-1,2-dichloroethene	2.647	96	431590	41.30 ug/L	97
20) methyl (tert) butyl ether	2.660	73	1037111	42.92 ug/L	94
21) 1,1-dichloroethane	3.098	63	708028	43.51 ug/L	99
22) vinyl acetate	3.190	43	540994	43.76 ug/L	99
23) 2,2-dichloropropane	3.842	77	489789	43.85 ug/L	92
24) cis-1,2-dichloroethene	3.854	96	427045	43.35 ug/L	95
25) 2-butanone (MEK)	3.915	43	130680	37.75 ug/L	99
26) bromochloromethane	4.208	49	301951	43.72 ug/L	84
27) tetrahydrofuran	4.299	71	32577	39.46 ug/L	90
28) chloroform	4.385	83	702377	41.55 ug/L	100
30) 1,1,1-trichloroethane	4.641	97	624153	42.34 ug/L	97
31) cyclohexane	4.714	56	686026	52.19 ug/L	90
32) carbon tetrachloride	4.933	117	566923	42.27 ug/L	99
33) 1,1-dichloropropene	4.958	75	554284	44.11 ug/L	99
34) benzene	5.336	78	1546772	43.74 ug/L	93
35) 1,2-dichloroethane	5.397	62	540841	40.18 ug/L	95
36) heptane	5.872	57	41036	No Calib	
38) trichloroethene	6.488	130	446025	41.53 ug/L	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 40P0524.D
Acq On : 24 May 2012 12:54
Operator : LEW
Sample : 40P0524
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 13:43:26 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

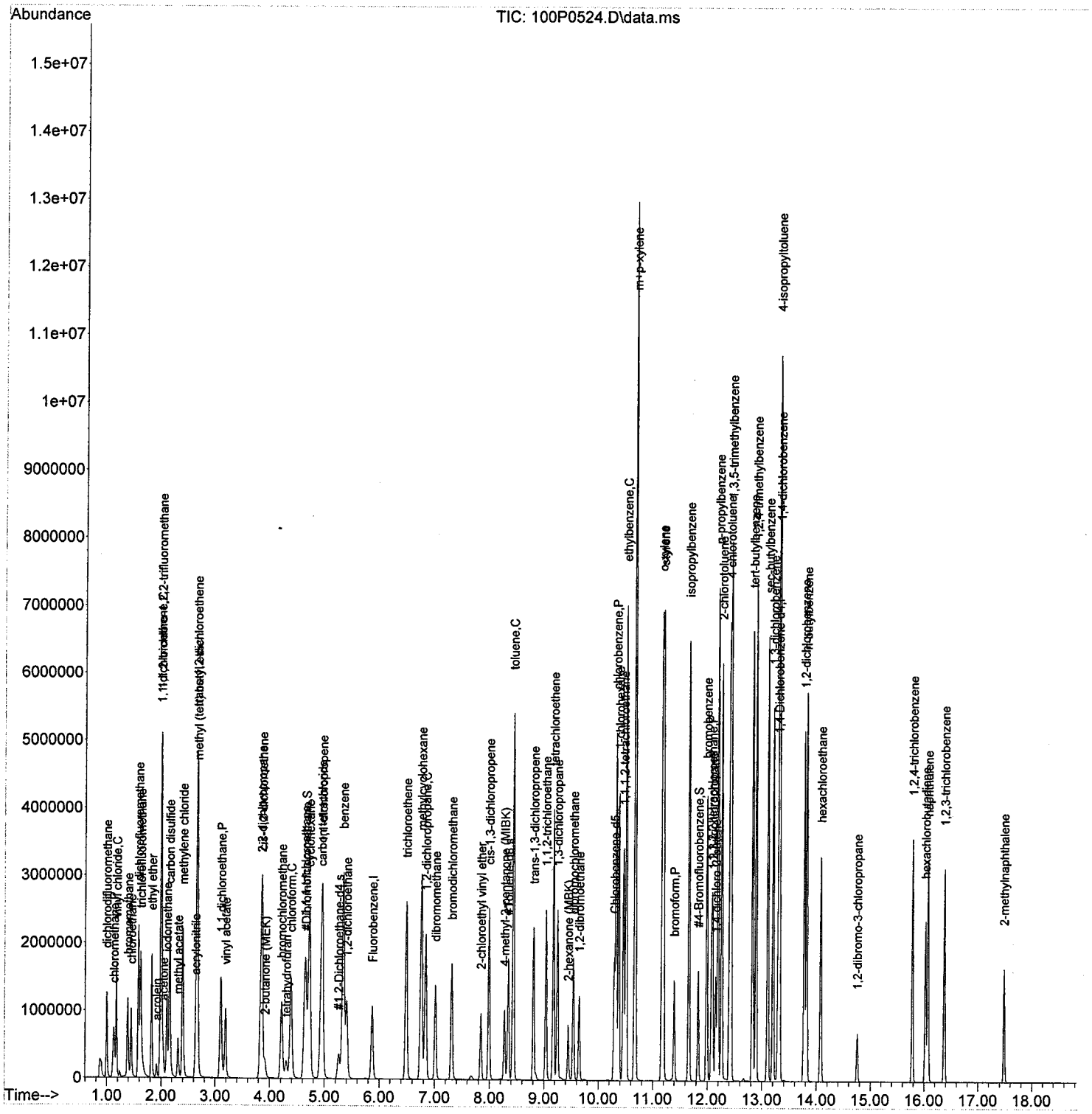
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	6.756	83	619362	43.74 ug/L	98
40)	1,2-dichloropropane	6.836	63	368938	44.73 ug/L	97
41)	dibromomethane	7.012	93	222675	40.50 ug/L	95
42)	1,4-dioxane	7.018	88	1277	No Calib #	
43)	bromodichloromethane	7.311	83	490168	40.49 ug/L	100
44)	2-chloroethyl vinyl ether	7.841	63	143697	55.81 ug/L	96
45)	cis-1,3-dichloropropene	7.988	75	568809	41.54 ug/L	90
46)	4-methyl-2-pentanone (...	8.274	43	259772	38.78 ug/L	96
48)	toluene	8.433	91	1667968	43.33 ug/L	99
49)	trans-1,3-dichloropropene	8.805	75	466595	35.34 ug/L	96
50)	1,1,2-trichloroethane	9.036	83	267971	42.84 ug/L	96
52)	tetrachloroethene	9.177	166	497679	41.95 ug/L	99
53)	1,3-dichloropropane	9.250	76	589545	45.88 ug/L	100
54)	2-hexanone (MBK)	9.445	43	178068	39.55 ug/L	97
55)	dibromochloromethane	9.542	129	371206	43.71 ug/L	100
56)	1,2-dibromoethane	9.646	109	312758	43.04 ug/L #	100
57)	chlorobenzene	10.323	112	1130314	42.86 ug/L	99
58)	1-chlorohexane	10.371	55	395326	48.84 ug/L	98
59)	1,1,1,2-tetrachloroethane	10.457	131	400353	43.88 ug/L	96
60)	ethylbenzene	10.506	91	1947279	45.77 ug/L	98
61)	m+p-xylene	10.670	106	1537046	90.97 ug/L	91
62)	o-xylene	11.170	106	721339	42.11 ug/L	91
63)	styrene	11.194	104	1233860	41.33 ug/L	92
64)	bromoform	11.396	173	245781	36.69 ug/L	99
67)	isopropylbenzene	11.664	105	1656803	41.09 ug/L	97
68)	bromobenzene	11.987	77	712326	45.33 ug/L	95
69)	1,1,2,2-tetrachloroethane	12.078	83	411872	42.90 ug/L #	100
70)	1,2,3-trichloropropane	12.097	110	136480	41.25 ug/L	95
71)	1,4-dichloro-2-butene	12.145	53	127406	41.58 ug/L	86
72)	n-propylbenzene	12.188	120	525358	46.23 ug/L	98
73)	2-chlorotoluene	12.261	126	473846	44.72 ug/L	98
74)	1,3,5-trimethylbenzene	12.432	105	1596282	47.36 ug/L	95
75)	4-chlorotoluene	12.408	91	1519323	45.64 ug/L	97
76)	tert-butylbenzene	12.828	119	1297002	42.24 ug/L	96
77)	1,2,4-trimethylbenzene	12.889	105	1575815	43.19 ug/L	96
78)	sec-butylbenzene	13.103	105	1784581	42.26 ug/L	100
79)	1,3-dichlorobenzene	13.200	146	914601	43.04 ug/L	99
80)	4-isopropyltoluene	13.304	119	1476740	41.29 ug/L	97
81)	1,4-dichlorobenzene	13.316	146	946003	42.67 ug/L	100
82)	1,2-dichlorobenzene	13.773	146	840229	43.52 ug/L	100
83)	n-butylbenzene	13.816	91	1216559	41.59 ug/L	99
84)	hexachloroethane	14.078	201	205551	39.08 ug/L #	93
85)	1,2-dibromo-3-chloropr...	14.755	157	73574	34.35 ug/L	98
86)	1,2,4-trichlorobenzene	15.785	180	443541	42.10 ug/L	98
87)	hexachlorobutadiene	16.023	225	192449	38.64 ug/L	100
88)	naphthalene	16.072	128	963308	35.63 ug/L	97
89)	1,2,3-trichlorobenzene	16.376	180	391960	40.40 ug/L	99
90)	2-methylnaphthalene	17.486	142	252529	28.37 ug/L	97

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 100P0524.D
Acq On : 24 May 2012 13:22
Operator : LEW
Sample : 100P0524
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 13:44:43 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration



00677

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 100P0524.D
Acq On : 24 May 2012 13:22
Operator : LEW
Sample : 100P0524
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 13:44:43 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.872	96	1336936	40.00 ug/L	0.00
51) Chlorobenzene-d5	10.292	117	1039455	40.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.292	152	628566	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	4.659	111	358858	38.66 ug/L	-0.01
Spiked Amount 40.000			Recovery	= 96.65%	
37) #1,2-Dichloroethane-d4	5.257	67	213301	38.25 ug/L	-0.01
Spiked Amount 40.000			Recovery	= 95.63%	
47) #Toluene-d8	8.341	98	1331988	39.66 ug/L	-0.01
Spiked Amount 40.000			Recovery	= 99.15%	
65) #4-Bromofluorobenzene	11.835	95	528309	39.87 ug/L	0.00
Spiked Amount 40.000			Recovery	= 99.67%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.995	85	1007476	82.33 ug/L	100
3) chloromethane	1.129	50	1100041	103.09 ug/L	99
4) vinyl chloride	1.178	62	1264126	102.24 ug/L	100
5) bromomethane	1.385	94	782185	97.02 ug/L	100
6) chloroethane	1.446	64	773028	99.98 ug/L	100
7) dichlorofluoromethane	1.580	67	1981902	102.04 ug/L	99
8) trichlorofluoromethane	1.623	101	1801923	90.04 ug/L	100
9) ethyl ether	1.824	74	638737	122.08 ug/L	98
10) acrolein	1.916	56	142418	109.41 ug/L	100
11) 1,1,2-trichloro-1,2,2-...	1.995	101	1138170	110.41 ug/L	97
12) 1,1-dichloroethene	1.989	96	990720	94.08 ug/L	90
13) acetone	2.038	43	307222	99.19 ug/L #	85
14) iodomethane	2.105	142	1498940	108.94 ug/L	90
15) carbon disulfide	2.153	76	2973126	123.65 ug/L	100
16) methyl acetate	2.312	43	689213	90.74 ug/L	99
17) methylene chloride	2.397	49	1318356	99.43 ug/L	98
18) acrylonitrile	2.629	53	352072	98.27 ug/L	96
19) trans-1,2-dichloroethene	2.653	96	1121900	100.51 ug/L	97
20) methyl (tert) butyl ether	2.666	73	2745521	106.38 ug/L	95
21) 1,1-dichloroethane	3.104	63	1860933	107.06 ug/L	98
22) vinyl acetate	3.190	43	1606369	121.65 ug/L	99
23) 2,2-dichloropropane	3.842	77	1328445	111.36 ug/L	93
24) cis-1,2-dichloroethene	3.860	96	1126438	107.07 ug/L	95
25) 2-butanone (MEK)	3.915	43	379655	102.68 ug/L	98
26) bromochloromethane	4.214	49	770754	104.49 ug/L	85
27) tetrahydrofuran	4.299	71	92063	104.42 ug/L	89
28) chloroform	4.385	83	1828621	101.28 ug/L	100
30) 1,1,1-trichloroethane	4.641	97	1649252	104.74 ug/L	98
31) cyclohexane	4.720	56	1841666	131.17 ug/L	90
32) carbon tetrachloride	4.939	117	1512825	105.62 ug/L	99
33) 1,1-dichloropropene	4.958	75	1482715	110.47 ug/L	99
34) benzene	5.336	78	4077143	107.94 ug/L	93
35) 1,2-dichloroethane	5.403	62	1388746	96.60 ug/L	94
36) heptane	5.872	57	44484	No Calib	
38) trichloroethene	6.488	130	1182208	103.07 ug/L	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 100P0524.D
Acq On : 24 May 2012 13:22
Operator : LEW
Sample : 100P0524
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 13:44:43 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

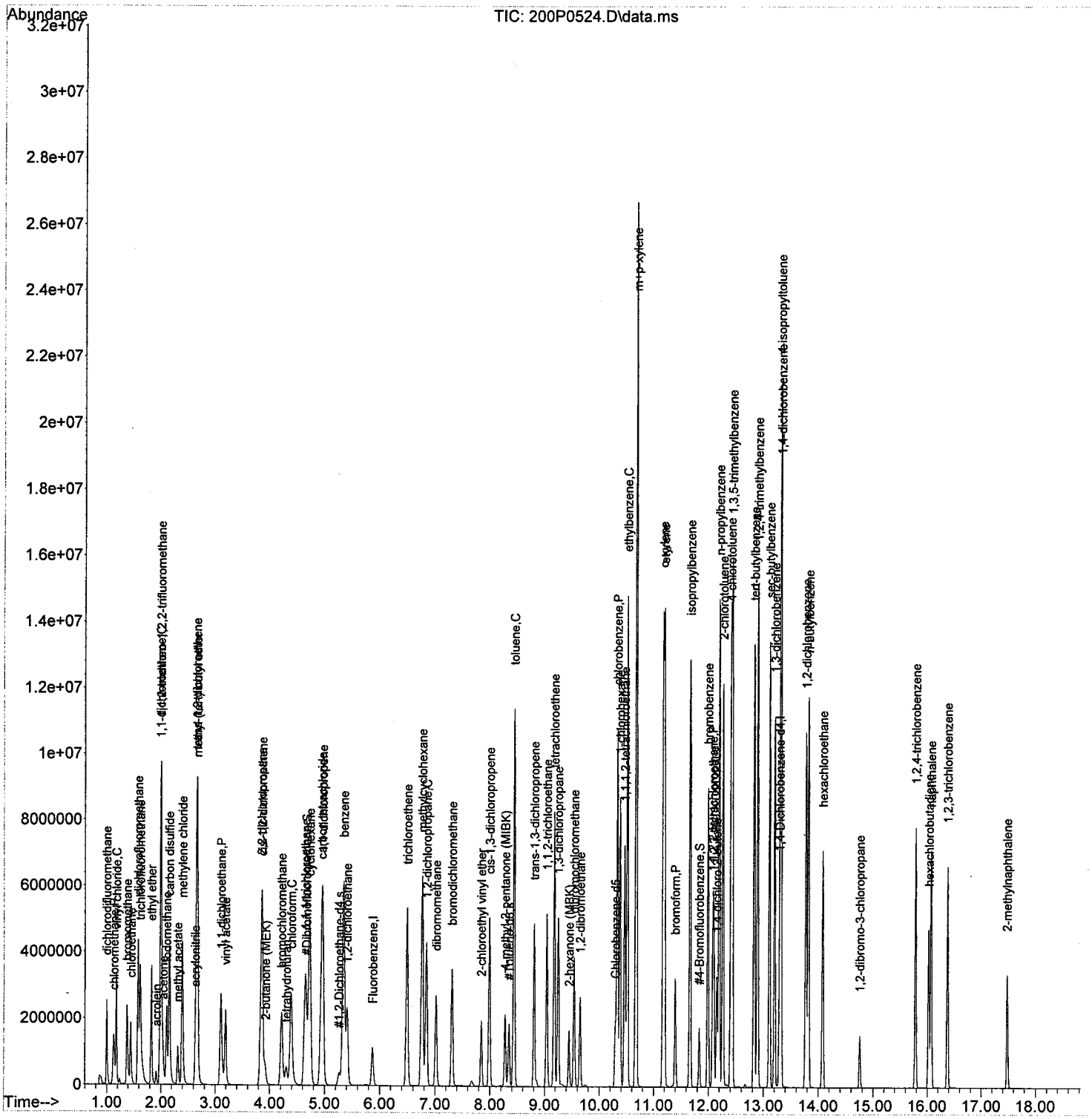
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	6.756	83	1657652	107.92 ug/L	98
40) 1,2-dichloropropane	6.835	63	968722	109.95 ug/L	97
41) dibromomethane	7.012	93	578322	98.49 ug/L	95
42) 1,4-dioxane	7.018	88	3023	No Calib #	
43) bromodichloromethane	7.311	83	1307584	101.11 ug/L	100
44) 2-chloroethyl vinyl ether	7.841	63	452772	156.29 ug/L	96
45) cis-1,3-dichloropropene	7.988	75	1569446	106.19 ug/L	89
46) 4-methyl-2-pentanone (...	8.274	43	771264	103.58 ug/L	97
48) toluene	8.433	91	4399011	107.00 ug/L	99
49) trans-1,3-dichloropropene	8.811	75	1323518	89.91 ug/L	95
50) 1,1,2-trichloroethane	9.036	83	707059	105.84 ug/L	95
52) tetrachloroethene	9.176	166	1314777	104.21 ug/L	100
53) 1,3-dichloropropane	9.250	76	1553241	113.68 ug/L	100
54) 2-hexanone (MBK)	9.445	43	543654	107.95 ug/L	96
55) dibromochloromethane	9.542	129	1010737	111.92 ug/L	100
56) 1,2-dibromoethane	9.646	109	831838	107.66 ug/L #	100
57) chlorobenzene	10.329	112	2974129	106.06 ug/L	98
58) 1-chlorohexane	10.377	55	1031079	119.79 ug/L	95
59) 1,1,1,2-tetrachloroethane	10.463	131	1066996	109.98 ug/L	96
60) ethylbenzene	10.512	91	5198689	114.91 ug/L	98
61) m+p-xylene	10.670	106	4096742	228.03 ug/L	91
62) o-xylene	11.170	106	1936417	104.41 ug/L	91
63) styrene	11.194	104	3326025	102.76 ug/L	91
64) bromoform	11.396	173	702299	93.86 ug/L	100
67) isopropylbenzene	11.664	105	4493715	102.61 ug/L	98
68) bromobenzene	11.987	77	1880816	112.11 ug/L	95
69) 1,1,2,2-tetrachloroethane	12.078	83	1075442	104.92 ug/L #	100
70) 1,2,3-trichloropropane	12.097	110	358559	101.52 ug/L	96
71) 1,4-dichloro-2-butene	12.152	53	351098	106.02 ug/L #	82
72) n-propylbenzene	12.194	120	1410277	116.26 ug/L	98
73) 2-chlorotoluene	12.261	126	1253812	110.86 ug/L	98
74) 1,3,5-trimethylbenzene	12.432	105	4258133	118.35 ug/L	95
75) 4-chlorotoluene	12.408	91	4039352	113.67 ug/L	96
76) tert-butylbenzene	12.828	119	3510661	105.73 ug/L	96
77) 1,2,4-trimethylbenzene	12.889	105	4221889	107.52 ug/L	96
78) sec-butylbenzene	13.109	105	4817522	105.84 ug/L	100
79) 1,3-dichlorobenzene	13.200	146	2411967	106.32 ug/L	100
80) 4-isopropyltoluene	13.310	119	4003514	104.86 ug/L	96
81) 1,4-dichlorobenzene	13.322	146	2493206	105.36 ug/L	99
82) 1,2-dichlorobenzene	13.773	146	2241527	108.77 ug/L	99
83) n-butylbenzene	13.816	91	3307390	104.95 ug/L	99
84) hexachloroethane	14.084	201	595364	101.26 ug/L	97
85) 1,2-dibromo-3-chloropr...	14.755	157	213931	89.72 ug/L	97
86) 1,2,4-trichlorobenzene	15.785	180	1250959	111.23 ug/L	99
87) hexachlorobutadiene	16.023	225	509831	95.88 ug/L	100
88) naphthalene	16.071	128	2733584	91.10 ug/L	97
89) 1,2,3-trichlorobenzene	16.376	180	1064361	102.77 ug/L	99
90) 2-methylnaphthalene	17.480	142	802405	78.82 ug/L	97

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 200P0524.D
Acq On : 24 May 2012 14:17
Operator : LEW
Sample : 200P0524
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 24 14:37:02 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration



00680

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 200P0524.D
Acq On : 24 May 2012 14:17
Operator : LEW
Sample : 200P0524
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 24 14:37:02 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.872	96	1406678	40.00 ug/L	0.00
51) Chlorobenzene-d5	10.292	117	1113730	40.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.292	152	663709	40.00 ug/L	0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	4.665	111	376582	38.55 ug/L	0.00
Spiked Amount 40.000			Recovery	= 96.37%	
37) #1,2-Dichloroethane-d4	5.263	67	226072	38.53 ug/L	0.00
Spiked Amount 40.000			Recovery	= 96.33%	
47) #Toluene-d8	8.347	98	1399480	39.61 ug/L	0.00
Spiked Amount 40.000			Recovery	= 99.02%	
65) #4-Bromofluorobenzene	11.835	95	559865	39.43 ug/L	0.00
Spiked Amount 40.000			Recovery	= 98.58%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.995	85	2043898	158.75 ug/L	100
3) chloromethane	1.129	50	2117991	188.65 ug/L	100
4) vinyl chloride	1.178	62	2507592	192.75 ug/L	99
5) bromomethane	1.373	94	1667301	196.54 ug/L	99
6) chloroethane	1.446	64	1531502	188.27 ug/L	100
7) dichlorofluoromethane	1.581	67	3970721	194.29 ug/L	100
8) trichlorofluoromethane	1.617	101	3710105	176.19 ug/L	100
9) ethyl ether	1.824	74	1292097	234.70 ug/L	98
10) acrolein	1.916	56	291804	213.05 ug/L	100
11) 1,1,2-trichloro-1,2,2-...	1.995	101	2348869	216.56 ug/L	97
12) 1,1-dichloroethene	1.989	96	2040880	184.19 ug/L	88
13) acetone	2.038	43	614972	188.70 ug/L #	86
14) iodomethane	2.105	142	2988118	206.40 ug/L	89
15) carbon disulfide	2.154	76	6017898	237.87 ug/L	100
16) methyl acetate	2.312	43	1408698	176.27 ug/L	99
17) methylene chloride	2.397	49	2624828	188.16 ug/L	98
18) acrylonitrile	2.629	53	720178	191.05 ug/L	95
19) trans-1,2-dichloroethene	2.653	96	2303693	196.15 ug/L	96
20) methyl (tert) butyl ether	2.666	73	5635229	207.52 ug/L	95
21) 1,1-dichloroethane	3.105	63	3757036	205.43 ug/L	99
22) vinyl acetate	3.190	43	3523412	253.60 ug/L	99
23) 2,2-dichloropropane	3.848	77	2652250	211.31 ug/L	93
24) cis-1,2-dichloroethene	3.861	96	2282851	206.23 ug/L	95
25) 2-butanone (MEK)	3.922	43	754947	194.06 ug/L	99
26) bromochloromethane	4.214	49	1528614	196.96 ug/L	85
27) tetrahydrofuran	4.299	71	197776	213.19 ug/L	89
28) chloroform	4.391	83	3697312	194.63 ug/L	99
30) 1,1,1-trichloroethane	4.647	97	3442509	207.78 ug/L	98
31) cyclohexane	4.726	56	3807217	257.71 ug/L	91
32) carbon tetrachloride	4.946	117	3164448	209.97 ug/L	100
33) 1,1-dichloropropene	4.964	75	3080896	218.16 ug/L	99
34) benzene	5.342	78	8333464	209.69 ug/L	92
35) 1,2-dichloroethane	5.403	62	2830719	187.15 ug/L	94
36) heptane	5.872	57	46476	No Calib	
38) trichloroethene	6.494	130	2442947	202.43 ug/L	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : 200P0524.D
Acq On : 24 May 2012 14:17
Operator : LEW
Sample : 200P0524
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 24 14:37:02 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB61.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue May 15 10:25:30 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	6.762	83	3449148	212.33 ug/L	98
40)	1,2-dichloropropane	6.842	63	1981559	213.76 ug/L	97
41)	dibromomethane	7.018	93	1165931	188.71 ug/L	95
42)	1,4-dioxane	7.018	88	5748	No Calib #	
43)	bromodichloromethane	7.311	83	2709923	199.17 ug/L	99
44)	2-chloroethyl vinyl ether	7.841	63	945189	305.87 ug/L	96
45)	cis-1,3-dichloropropene	7.994	75	3270897	209.63 ug/L	89
46)	4-methyl-2-pentanone (...	8.274	43	1611959	203.41 ug/L	96
48)	toluene	8.439	91	9053624	209.30 ug/L	99
49)	trans-1,3-dichloropropene	8.811	75	2794431	178.02 ug/L	95
50)	1,1,2-trichloroethane	9.042	83	1434993	204.15 ug/L	96
52)	tetrachloroethene	9.177	166	2727275	201.75 ug/L	99
53)	1,3-dichloropropane	9.250	76	3190188	217.91 ug/L	100
54)	2-hexanone (MBK)	9.451	43	1146455	209.56 ug/L	96
55)	dibromochloromethane	9.542	129	2137113	220.86 ug/L	100
56)	1,2-dibromoethane	9.652	109	1730269	209.01 ug/L #	100
57)	chlorobenzene	10.329	112	6130124	204.02 ug/L	98
58)	1-chlorohexane	10.378	55	2128824	230.83 ug/L	93
59)	1,1,1,2-tetrachloroethane	10.463	131	2228657	214.39 ug/L	96
60)	ethylbenzene	10.512	91	10808771	222.98 ug/L	98
61)	m+p-xylene	10.676	106	8553379	444.34 ug/L #	85
62)	o-xylene	11.176	106	4020506	201.16 ug/L	91
63)	styrene	11.201	104	6907040	197.93 ug/L	90
64)	bromoform	11.396	173	1531849	188.15 ug/L	100
67)	isopropylbenzene	11.670	105	9338306	200.81 ug/L	97
68)	bromobenzene	11.993	77	3873560	218.67 ug/L	95
69)	1,1,2,2-tetrachloroethane	12.078	83	2245434	207.47 ug/L #	100
70)	1,2,3-trichloropropane	12.097	110	740527	198.57 ug/L	97
71)	1,4-dichloro-2-butene	12.152	53	731872	208.49 ug/L #	77
72)	n-propylbenzene	12.194	120	2919855	227.96 ug/L	98
73)	2-chlorotoluene	12.267	126	2588528	216.75 ug/L	96
74)	1,3,5-trimethylbenzene	12.432	105	8802110	231.69 ug/L	95
75)	4-chlorotoluene	12.408	91	8326174	221.90 ug/L	96
76)	tert-butylbenzene	12.828	119	7229158	205.33 ug/L	95
77)	1,2,4-trimethylbenzene	12.895	105	8648901	208.04 ug/L	95
78)	sec-butylbenzene	13.109	105	9957461	206.54 ug/L	100
79)	1,3-dichlorobenzene	13.206	146	4973745	207.64 ug/L	99
80)	4-isopropyltoluene	13.310	119	8308390	206.08 ug/L	96
81)	1,4-dichlorobenzene	13.322	146	5157565	206.41 ug/L	99
82)	1,2-dichlorobenzene	13.773	146	4646073	213.52 ug/L	99
83)	n-butylbenzene	13.822	91	6845064	205.10 ug/L	99
84)	hexachloroethane	14.084	201	1287832	204.52 ug/L	99
85)	1,2-dibromo-3-chloropr...	14.755	157	466485	182.91 ug/L	96
86)	1,2,4-trichlorobenzene	15.785	180	2621633	220.76 ug/L	99
87)	hexachlorobutadiene	16.029	225	1039129	185.08 ug/L	99
88)	naphthalene	16.072	128	5885654	183.50 ug/L	97
89)	1,2,3-trichlorobenzene	16.376	180	2238281	204.68 ug/L	99
90)	2-methylnaphthalene	17.480	142	1710103	156.19 ug/L	97

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

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2E22014-SCV1
Sequence: 2E22014

SDG: KNM050712
Project: KNM
Standard ID: 2041016
Calibration: 2E22009

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Acetone	40.0	39.0	98	75-125
Benzene	40.0	42.9	107	75-125
Bromodichloromethane	40.0	40.8	102	75-125
Bromoform	40.0	38.7	97	75-125
Bromomethane	40.0	42.4	106	75-125
Carbon Disulfide	40.0	38.0	95	75-125
Carbon Tetrachloride	40.0	39.2	98	75-125
Chlorobenzene	40.0	41.9	105	75-125
Chloroethane	40.0	38.7	97	75-125
Chloroform	40.0	42.0	105	75-125
Chloromethane	40.0	40.0	100	75-125
Cyclohexane	40.0	48.4	121	75-125
1,2-Dibromo-3-chloropropane	40.0	40.4	101	75-125
Dibromochloromethane	40.0	38.3	96	75-125
1,2-Dibromoethane	40.0	45.0	113	75-125
1,2-Dichlorobenzene	40.0	43.6	109	75-125
1,3-Dichlorobenzene	40.0	42.7	107	75-125
1,4-Dichlorobenzene	40.0	42.8	107	75-125
Dichlorodifluoromethane	40.0	38.5	96	75-125
1,1-Dichloroethane	40.0	42.5	106	75-125
1,2-Dichloroethane	40.0	42.2	106	75-125
1,1-Dichloroethene	40.0	40.6	102	75-125
cis-1,2-Dichloroethene	40.0	43.4	109	75-125
trans-1,2-Dichloroethene	40.0	41.9	105	75-125
1,2-Dichloropropane	40.0	43.0	108	75-125
cis-1,3-Dichloropropene	40.0	40.1	100	75-125
trans-1,3-Dichloropropene	40.0	34.9	87	75-125

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2E22014-SCV1
Sequence: 2E22014

SDG: KNM050712
Project: KNM
Standard ID: 2041016
Calibration: 2E22009

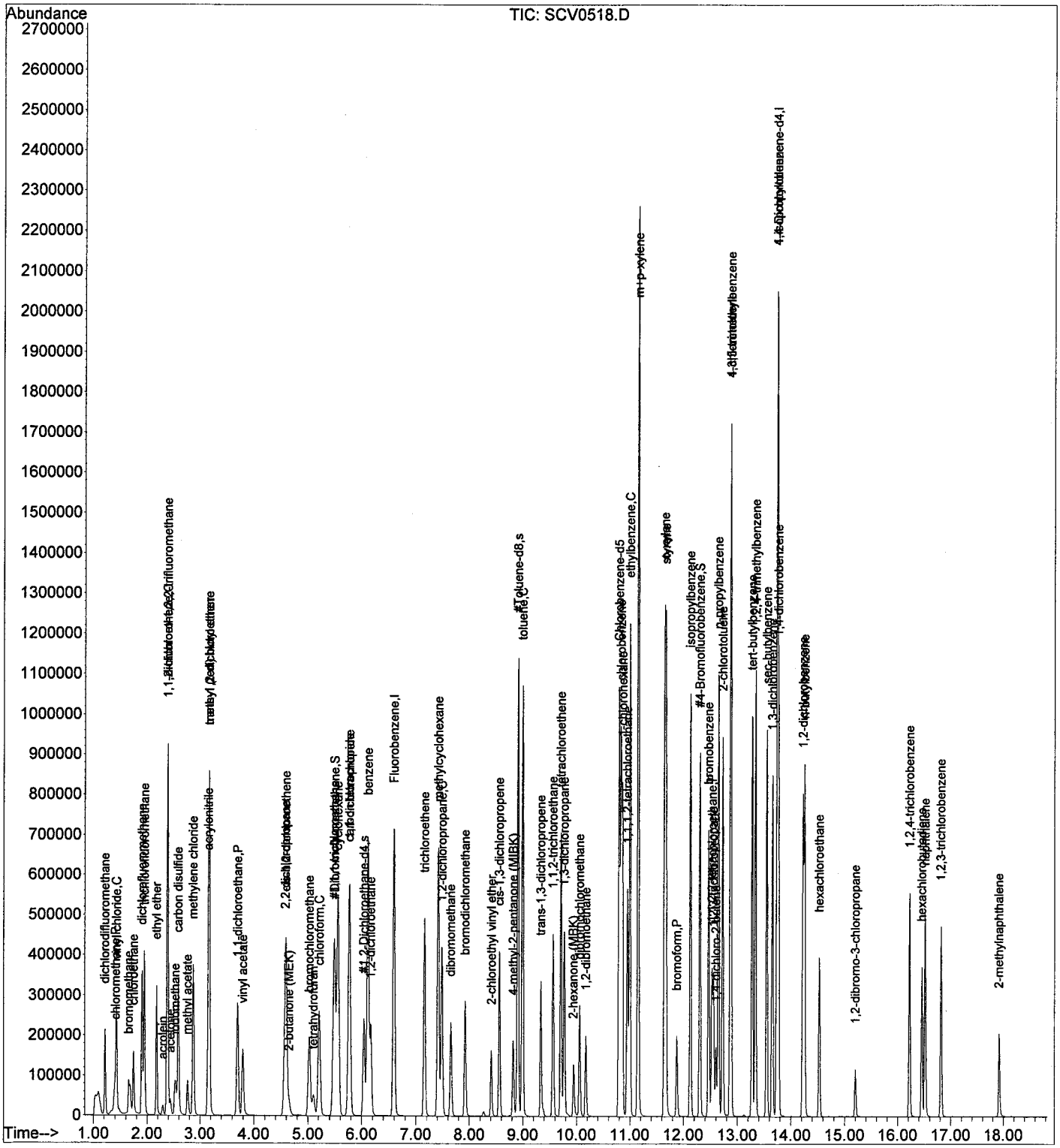
Ethylbenzene	40.0	43.3	108	75-125
2-Hexanone	40.0	42.7	107	75-125
Isopropylbenzene	40.0	42.1	105	75-125
Methyl Acetate	40.0	44.5	111	75-125
Methyl tert-Butyl Ether	40.0	46.8	117	75-125
Methylcyclohexane	40.0	46.7	117	75-125
Methylene Chloride	40.0	38.9	97	75-125
2-Butanone (MEK)	40.0	40.9	102	75-125
4-Methyl-2-pentanone (MIBK)	40.0	46.4	116	75-125
Styrene	40.0	43.7	109	75-125
1,1,2,2-Tetrachloroethane	40.0	44.8	112	75-125
Tetrachloroethene	40.0	42.6	107	75-125
Toluene	40.0	42.9	107	75-125
1,2,4-Trichlorobenzene	40.0	45.5	114	75-125
1,1,1-Trichloroethane	40.0	44.7	112	75-125
1,1,2-Trichloroethane	40.0	45.1	113	75-125
Trichloroethene	40.0	42.1	105	75-125
Trichlorofluoromethane	40.0	42.7	107	75-125
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	46.6	117	75-125
Vinyl Chloride	40.0	42.2	106	75-125
Xylene (Total)	120	131	109	75-125
Dibromofluoromethane	40.0	39.9	100	75-125
1,2-Dichloroethane-d4	40.0	40.2	101	75-125
Toluene-d8	40.0	40.0	100	75-125
4-Bromofluorobenzene	40.0	40.2	101	75-125

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : SCV0518.D
InstName : 224
Acq On : 18 May 2012 4:22 pm
Operator : DLV
Sample : SCV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 21 07:21:01 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration



00685

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : SCV0518.D
InstName : 224
Acq On : 18 May 2012 4:22 pm
Operator : DLV
Sample : SCV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 21 07:21:01 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	842611	40.00	ug/L	0.00 102.11%
51) Chlorobenzene-d5	10.79	117	636339	40.00	ug/L	0.00 102.17%
66) 1,4-Dichlorobenzene-d4	13.74	152	340843	40.00	ug/L	0.00 100.86%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.50	111	192327	39.88	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.70%			
37) #1,2-Dichloroethane-d4	6.04	65	214528	40.18	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.45%			
47) #Toluene-d8	8.91	98	836900	39.98	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.95%			
65) #4-Bromofluorobenzene	12.30	95	301935	40.20	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.50%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.21	85	178928	38.50	ug/L	99
3) chloromethane	1.40	50	179796	39.97	ug/L	98
4) vinyl chloride	1.43	62	201335	42.21	ug/L	99
5) bromomethane	1.65	94	99390	42.39	ug/L	100
6) chloroethane	1.74	64	121616	38.67	ug/L	99
7) dichlorofluoromethane	1.90	67	315437	44.01	ug/L	100
8) trichlorofluoromethane	1.94	101	269228	42.71	ug/L	100
9) ethyl ether	2.18	74	116183	54.70	ug/L	99
10) acrolein	2.30	56	24454	54.78	ug/L #	97
11) 1,1,2-trichloro-1,2,2-trif	2.38	101	181777	46.64	ug/L	99
12) 1,1-dichloroethene	2.38	96	167162	40.56	ug/L	99
13) acetone	2.44	43	46650	39.02	ug/L	97
14) iodomethane	2.53	142	165327	31.28	ug/L	99
15) carbon disulfide	2.58	76	473121	37.96	ug/L	99
16) methyl acetate	2.76	43	124062	44.48	ug/L	100
17) methylene chloride	2.86	49	240998	38.92	ug/L	99
18) acrylonitrile	3.14	53	63242	41.98	ug/L	99
19) trans-1,2-dichloroethene	3.16	96	183070	41.94	ug/L	99
20) methyl (tert) butyl ether	3.17	73	442672	46.80	ug/L	100
21) 1,1-dichloroethane	3.70	63	330307	42.50	ug/L	100
22) vinyl acetate	3.80	43	307089	41.27	ug/L	100
23) 2,2-dichloropropane	4.57	77	152365	38.93	ug/L	99
24) cis-1,2-dichloroethene	4.60	96	204623	43.41	ug/L	100
25) 2-butanone (MEK)	4.65	43	55675	40.91	ug/L	98
26) bromochloromethane	5.02	49	157391	42.86	ug/L	99
27) tetrahydrofuran	5.11	71	19500	44.05	ug/L	95
28) chloroform	5.21	83	307479	42.02	ug/L	99
30) 1,1,1-trichloroethane	5.48	97	258842	44.72	ug/L	99
31) cyclohexane	5.55	56	385147	48.36	ug/L	99
32) carbon tetrachloride	5.76	117	222563	39.20	ug/L	100
33) 1,1-dichloropropene	5.77	75	263105	43.15	ug/L	99
34) benzene	6.11	78	812092	42.90	ug/L	100
35) 1,2-dichloroethane	6.17	62	227263	42.16	ug/L	100
36) heptane	6.60	57	27214	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\2\DATA\05-18-12\
Data File : SCV0518.D
InstName : 224
Acq On : 18 May 2012 4:22 pm
Operator : DLV
Sample : SCV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 21 07:21:01 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	212418	42.14 ug/L	99
39) methylcyclohexane	7.42	83	334287	46.68 ug/L	100
40) 1,2-dichloropropane	7.49	63	188773	42.98 ug/L	100
41) dibromomethane	7.65	93	96542	43.09 ug/L	99
42) 1,4-dioxane	0.00	88	0	N.D.	
43) bromodichloromethane	7.92	83	211840	40.80 ug/L	100
44) 2-chloroethyl vinyl ether	8.41	63	73901	55.15 ug/L	99
45) cis-1,3-dichloropropene	8.56	75	244996	40.10 ug/L	99
46) 4-methyl-2-pentanone (MIBK	8.82	43	149304	46.42 ug/L	99
48) toluene	8.99	91	865870	42.94 ug/L	99
49) trans-1,3-dichloropropene	9.34	75	179242	34.87 ug/L	97
50) 1,1,2-trichloroethane	9.56	83	127706	45.13 ug/L	99
52) tetrachloroethene	9.71	166	245184	42.58 ug/L	99
53) 1,3-dichloropropane	9.77	76	278569	44.72 ug/L	100
54) 2-hexanone (MBK)	9.94	43	103149	42.74 ug/L	98
55) dibromochloromethane	10.06	129	156156	38.26 ug/L	100
56) 1,2-dibromoethane	10.17	109	138787	44.96 ug/L	99
57) chlorobenzene	10.83	112	537331	41.88 ug/L	100
58) 1-chlorohexane	10.86	55	193083	44.74 ug/L	95
59) 1,1,1,2-tetrachloroethane	10.95	131	167338	43.79 ug/L	100
60) ethylbenzene	11.00	91	937771	43.32 ug/L	100
61) m+p-xylene	11.16	106	741284	87.07 ug/L	99
62) o-xylene	11.65	106	348801	44.13 ug/L	100
63) styrene	11.67	104	600757	43.69 ug/L	99
64) bromoform	11.87	173	102110	38.67 ug/L	99
67) isopropylbenzene	12.12	105	746348	42.07 ug/L	100
68) bromobenzene	12.46	77	330065	42.65 ug/L	100
69) 1,1,2,2-tetrachloroethane	12.53	83	187575	44.78 ug/L #	100
70) 1,2,3-trichloropropane	12.56	110	57956	44.40 ug/L	94
71) 1,4-dichloro-2-butene	12.60	53	43017	42.68 ug/L #	66
72) n-propylbenzene	12.65	120	226029	44.16 ug/L	100
73) 2-chlorotoluene	12.72	126	200551	43.62 ug/L	99
74) 1,3,5-trimethylbenzene	12.88	105	652924	45.05 ug/L	99
75) 4-chlorotoluene	12.87	126	203928	42.96 ug/L	99
76) tert-butylbenzene	13.28	119	541356	44.62 ug/L	99
77) 1,2,4-trimethylbenzene	13.34	105	653738	44.54 ug/L	99
78) sec-butylbenzene	13.55	105	722680	44.63 ug/L	100
79) 1,3-dichlorobenzene	13.66	146	389385	42.72 ug/L	99
80) 4-isopropyltoluene	13.75	119	586695	41.50 ug/L	100
81) 1,4-dichlorobenzene	13.77	146	407727	42.85 ug/L	99
82) 1,2-dichlorobenzene	14.22	146	377130	43.58 ug/L	99
83) n-butylbenzene	14.25	91	478220	40.83 ug/L	99
84) hexachloroethane	14.53	201	67451	36.64 ug/L #	88
85) 1,2-dibromo-3-chloropropan	15.20	157	38439	40.41 ug/L	99
86) 1,2,4-trichlorobenzene	16.22	180	206135	45.47 ug/L	99
87) hexachlorobutadiene	16.45	225	87904	42.47 ug/L	100
88) naphthalene	16.51	128	452439	41.63 ug/L	100
89) 1,2,3-trichlorobenzene	16.81	180	175171	46.73 ug/L	99
90) 2-methylnaphthalene	17.92	142	120804	42.36 ug/L	100

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

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2E25022-SCV1
Sequence: 2E25022

SDG: KNM050712
Project: KNM
Standard ID: 2051226
Calibration: 2E25004

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Acetone	40.0	44.9	112	75-125
Benzene	40.0	41.6	104	75-125
Bromodichloromethane	40.0	44.3	111	75-125
Bromoform	40.0	39.1	98	75-125
Bromomethane	40.0	42.3	106	75-125
Carbon Disulfide	40.0	47.5	119	75-125
Carbon Tetrachloride	40.0	42.1	105	75-125
Chlorobenzene	40.0	41.6	104	75-125
Chloroethane	40.0	42.8	107	75-125
Chloroform	40.0	41.2	103	75-125
Chloromethane	40.0	43.1	108	75-125
Cyclohexane	40.0	41.9	105	75-125
1,2-Dibromo-3-chloropropane	40.0	40.4	101	75-125
Dibromochloromethane	40.0	45.3	113	75-125
1,2-Dibromoethane	40.0	43.7	109	75-125
1,2-Dichlorobenzene	40.0	43.8	110	75-125
1,3-Dichlorobenzene	40.0	42.4	106	75-125
1,4-Dichlorobenzene	40.0	40.6	102	75-125
Dichlorodifluoromethane	40.0	47.9	120	75-125
1,1-Dichloroethane	40.0	42.2	106	75-125
1,2-Dichloroethane	40.0	41.1	103	75-125
1,1-Dichloroethene	40.0	44.2	111	75-125
cis-1,2-Dichloroethene	40.0	42.4	106	75-125
trans-1,2-Dichloroethene	40.0	41.8	105	75-125
1,2-Dichloropropane	40.0	42.0	105	75-125
cis-1,3-Dichloropropene	40.0	39.0	98	75-125
trans-1,3-Dichloropropene	40.0	43.8	110	75-125

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2E25022-SCV1
Sequence: 2E25022

SDG: KNM050712
Project: KNM
Standard ID: 2051226
Calibration: 2E25004

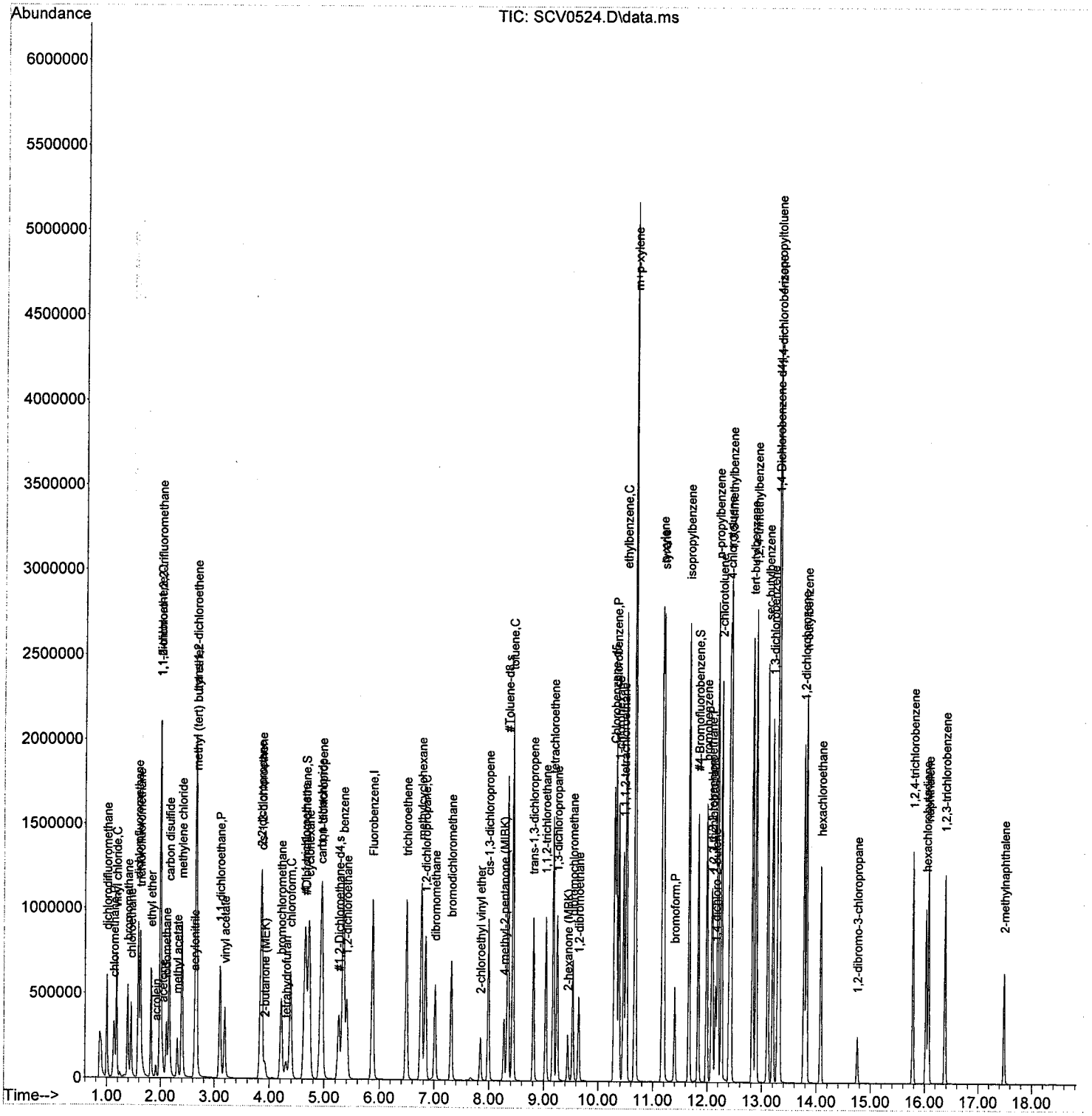
Ethylbenzene	40.0	43.8	110	75-125
2-Hexanone	40.0	38.8	97	75-125
Isopropylbenzene	40.0	43.6	109	75-125
Methyl Acetate	40.0	39.7	99	75-125
Methyl tert-Butyl Ether	40.0	41.1	103	75-125
Methylcyclohexane	40.0	39.1	98	75-125
Methylene Chloride	40.0	42.4	106	75-125
2-Butanone (MEK)	40.0	42.4	106	75-125
4-Methyl-2-pentanone (MIBK)	40.0	38.4	96	75-125
Styrene	40.0	41.4	104	75-125
1,1,2,2-Tetrachloroethane	40.0	42.8	107	75-125
Tetrachloroethene	40.0	42.4	106	75-125
Toluene	40.0	41.4	104	75-125
1,2,4-Trichlorobenzene	40.0	47.1	118	75-125
1,1,1-Trichloroethane	40.0	41.0	103	75-125
1,1,2-Trichloroethane	40.0	40.9	102	75-125
Trichloroethene	40.0	42.6	107	75-125
Trichlorofluoromethane	40.0	44.3	111	75-125
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	37.3	93	75-125
Vinyl Chloride	40.0	43.4	109	75-125
Xylene (Total)	120	129	108	75-125
Dibromofluoromethane	40.0	39.6	99	75-125
1,2-Dichloroethane-d4	40.0	39.1	98	75-125
Toluene-d8	40.0	40.1	100	75-125
4-Bromofluorobenzene	40.0	40.1	100	75-125

* Values outside of QC limits

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : SCV0524.D
Acq On : 24 May 2012 15:13
Operator : LEW
Sample : SCV0524
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 24 17:01:46 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration



00690

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : SCV0524.D
Acq On : 24 May 2012 15:13
Operator : LEW
Sample : SCV0524
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 24 17:01:46 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.872	96	1313168	40.00 ug/L	0.00
51) Chlorobenzene-d5	10.292	117	1011496	40.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.292	152	603023	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	4.659	111	354198	39.56 ug/L	0.00
Spiked Amount 40.000			Recovery = 98.90%		
37) #1,2-Dichloroethane-d4	5.263	67	211567	39.07 ug/L	0.00
Spiked Amount 40.000			Recovery = 97.67%		
47) #Toluene-d8	8.342	98	1309736	40.06 ug/L	0.00
Spiked Amount 40.000			Recovery = 100.15%		
65) #4-Bromofluorobenzene	11.835	95	511529	40.08 ug/L	0.00
Spiked Amount 40.000			Recovery = 100.20%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.002	85	495516	47.92 ug/L	100
3) chloromethane	1.130	50	485660	43.11 ug/L	100
4) vinyl chloride	1.178	62	548685	43.37 ug/L	100
5) bromomethane	1.386	94	348060	42.31 ug/L	99
6) chloroethane	1.447	64	331366	42.76 ug/L	100
7) dichlorofluoromethane	1.581	67	811460	40.99 ug/L	100
8) trichlorofluoromethane	1.623	101	807486	44.31 ug/L	100
9) ethyl ether	1.825	74	222866	36.93 ug/L	97
10) acrolein	1.916	56	52359	39.07 ug/L	97
11) 1,1,2-trichloro-1,2,2-...	1.995	101	422808	37.32 ug/L	97
12) 1,1-dichloroethene	1.989	96	430488	44.23 ug/L	89
13) acetone	2.038	43	137143	44.91 ug/L #	86
14) iodomethane	2.105	142	432495	33.29 ug/L	90
15) carbon disulfide	2.160	76	1227704	47.54 ug/L	100
16) methyl acetate	2.312	43	272886	39.70 ug/L	98
17) methylene chloride	2.398	49	543753	42.42 ug/L	98
18) acrylonitrile	2.629	53	145126	42.14 ug/L	94
19) trans-1,2-dichloroethene	2.654	96	463947	41.84 ug/L	97
20) methyl (tert) butyl ether	2.666	73	1054704	41.10 ug/L	94
21) 1,1-dichloroethane	3.099	63	755527	42.20 ug/L	99
22) vinyl acetate	3.190	43	654162	42.35 ug/L	99
23) 2,2-dichloropropane	3.842	77	527878	44.09 ug/L	93
24) cis-1,2-dichloroethene	3.861	96	444461	42.38 ug/L	95
25) 2-butanone (MEK)	3.916	43	140584	42.37 ug/L	99
26) bromochloromethane	4.214	49	315215	41.44 ug/L	84
27) tetrahydrofuran	4.306	71	34779	39.91 ug/L	90
28) chloroform	4.385	83	731262	41.20 ug/L	99
30) 1,1,1-trichloroethane	4.641	97	643967	41.02 ug/L	97
31) cyclohexane	4.720	56	668853	41.94 ug/L	91
32) carbon tetrachloride	4.940	117	598384	42.14 ug/L	100
33) 1,1-dichloropropene	4.958	75	596272	45.13 ug/L	99
34) benzene	5.336	78	1601086	41.62 ug/L	93
35) 1,2-dichloroethane	5.403	62	562825	41.12 ug/L	94
36) heptane	5.872	57	43036	No Calib	
38) trichloroethene	6.488	130	469638	42.64 ug/L	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-24-12\
InstName : 328
Data File : SCV0524.D
Acq On : 24 May 2012 15:13
Operator : LEW
Sample : SCV0524
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 24 17:01:46 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	6.763	83	620633	39.12 ug/L	98
40) 1,2-dichloropropane	6.836	63	379399	41.95 ug/L	97
41) dibromomethane	7.013	93	236658	42.10 ug/L	94
42) 1,4-dioxane	7.013	88	1152	No Calib #	
43) bromodichloromethane	7.311	83	529573	44.34 ug/L	99
44) 2-chloroethyl vinyl ether	7.842	63	117269	29.80 ug/L	95
45) cis-1,3-dichloropropene	7.988	75	581250	39.01 ug/L	89
46) 4-methyl-2-pentanone (...	8.274	43	268493	38.44 ug/L	97
48) toluene	8.433	91	1718653	41.43 ug/L	99
49) trans-1,3-dichloropropene	8.805	75	547807	43.75 ug/L	94
50) 1,1,2-trichloroethane	9.037	83	274113	40.91 ug/L	95
52) tetrachloroethene	9.177	166	523289	42.44 ug/L	99
53) 1,3-dichloropropane	9.250	76	602291	42.74 ug/L	100
54) 2-hexanone (MBK)	9.445	43	187935	38.78 ug/L	95
55) dibromochloromethane	9.543	129	390991	45.29 ug/L	99
56) 1,2-dibromoethane	9.646	109	328762	43.69 ug/L #	100
57) chlorobenzene	10.323	112	1168310	41.63 ug/L	99
58) 1-chlorohexane	10.372	55	393274	41.54 ug/L	96
59) 1,1,1,2-tetrachloroethane	10.463	131	409641	43.05 ug/L	96
60) ethylbenzene	10.506	91	2018138	43.85 ug/L	98
61) m+p-xylene	10.670	106	1591272	88.11 ug/L	91
62) o-xylene	11.170	106	749785	41.23 ug/L	90
63) styrene	11.195	104	1297021	41.40 ug/L	91
64) bromoform	11.396	173	257040	39.06 ug/L	99
67) isopropylbenzene	11.664	105	1821370	43.55 ug/L	97
68) bromobenzene	11.987	77	740303	42.38 ug/L	94
69) 1,1,2,2-tetrachloroethane	12.079	83	435359	42.83 ug/L #	100
70) 1,2,3-trichloropropane	12.097	110	144319	42.65 ug/L	95
71) 1,4-dichloro-2-butene	12.152	53	137430	42.24 ug/L	85
72) n-propylbenzene	12.188	120	554636	41.95 ug/L	97
73) 2-chlorotoluene	12.261	126	488460	43.63 ug/L	94
74) 1,3,5-trimethylbenzene	12.432	105	1605580	40.18 ug/L	95
75) 4-chlorotoluene	12.408	91	1591676	45.02 ug/L	97
76) tert-butylbenzene	12.828	119	1348294	41.42 ug/L	96
77) 1,2,4-trimethylbenzene	12.889	105	1608213	40.91 ug/L	95
78) sec-butylbenzene	13.109	105	1851537	41.29 ug/L	100
79) 1,3-dichlorobenzene	13.200	146	942108	42.43 ug/L	100
80) 4-isopropyltoluene	13.304	119	1617299	46.35 ug/L	97
81) 1,4-dichlorobenzene	13.316	146	953644	40.56 ug/L	100
82) 1,2-dichlorobenzene	13.773	146	872198	43.76 ug/L	99
83) n-butylbenzene	13.816	91	1267828	41.40 ug/L	99
84) hexachloroethane	14.084	201	210117	38.27 ug/L #	93
85) 1,2-dibromo-3-chloropr...	14.755	157	80225	40.42 ug/L	97
86) 1,2,4-trichlorobenzene	15.785	180	472159	41.18 ug/L	99
87) hexachlorobutadiene	16.029	225	219978	45.12 ug/L	100
88) naphthalene	16.072	128	1049914	42.40 ug/L	97
89) 1,2,3-trichlorobenzene	16.377	180	419558	47.12 ug/L	99
90) 2-methylnaphthalene	17.486	142	319687	46.01 ug/L	97

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

CONTINUING CALIBRATION CHECK
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Lab Sample ID: 2E22019-CCV1
Injection Date: 05/21/12
Calibration Date: 05/18/12 00:00
Sequence: 2E22019

SDG: KNM050712
Project: KNM
Lab File ID: CCV0521.D
Injection Time: 08:16
Calibration: 2E22009
Instrument ID: 224

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	40.0	32.5	5.674761E-02	4.615953E-02		-18.7	40
Benzene	A	40.0	41.5	0.8986212	0.9328986		3.8	25
Bromodichloromethane	A	40.0	42.8	0.2464968	0.2640154		7.1	25
Bromoform	L	40.0	37.5	0.1394337	0.1552708	0.1	-6.2	25
Bromomethane	A	40.0	47.4	0.1113056	0.132022		18.6	25
Carbon Disulfide	A	40.0	42.2	0.5916181	0.6241874		5.5	25
Carbon Tetrachloride	L	40.0	39.7	0.2386296	0.2679149		-0.6	25
Chlorobenzene	A	40.0	41.0	0.8065572	0.8273867	0.3	2.6	25
Chloroethane	A	40.0	41.0	0.1492869	0.153158		2.6	25
Chloroform	A	40.0	41.8	0.3474101	0.3626708		4.4	20
Chloromethane	A	40.0	42.5	0.2135604	0.2267053	0.1	6.2	25
Cyclohexane	A	40.0	43.1	0.3780967	0.407775		7.8	25
1,2-Dibromo-3-chloropropane	L	40.0	33.5	8.400686E-02	9.161419E-02		-16.2	25
Dibromochloromethane	L	40.0	38.4	0.2248137	0.2466579		-3.9	25
1,2-Dibromoethane	A	40.0	41.3	0.1940461	0.2001449		3.1	25
1,2-Dichlorobenzene	A	40.0	41.5	1.015492	1.053177		3.7	25
1,3-Dichlorobenzene	A	40.0	41.9	1.069599	1.120348		4.7	25
1,4-Dichlorobenzene	A	40.0	41.0	1.11665	1.14505		2.5	25
Dichlorodifluoromethane	A	40.0	38.1	0.2206116	0.2102047		-4.7	25
1,1-Dichloroethane	A	40.0	41.7	0.3689269	0.3846441	0.1	4.3	25
1,2-Dichloroethane	A	40.0	40.7	0.2558699	0.2604209		1.8	25
1,1-Dichloroethene	A	40.0	41.9	0.1956565	0.2047308		4.6	20
cis-1,2-Dichloroethene	A	40.0	42.1	0.2237556	0.2357213		5.3	25
trans-1,2-Dichloroethene	A	40.0	42.2	0.2072381	0.2187099		5.5	25
1,2-Dichloropropane	A	40.0	42.2	0.2085005	0.2198938		5.5	20
cis-1,3-Dichloropropene	L	40.0	40.0	0.2419788	0.2896476		-0.1	25
trans-1,3-Dichloropropene	L	40.0	39.0	0.1931836	0.2416515		-2.4	25
Ethylbenzene	A	40.0	41.6	1.360786	1.416958		4.1	20
2-Hexanone	L	40.0	35.2	0.1357508	0.1301954		-12.0	40

CONTINUING CALIBRATION CHECK
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2E22019-CCV1
Lab File ID: CCV0521.D
Injection Date: 05/21/12
Injection Time: 08:16
Calibration Date: 05/18/12 00:00
Calibration: 2E22009
Sequence: 2E22019
Instrument ID: 224

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropylbenzene	A	40.0	42.4	2.081964	2.207901		6.0	25
Methyl Acetate	A	40.0	36.0	0.1323911	0.119272		-9.9	25
Methyl tert-Butyl Ether	A	40.0	41.6	0.4490624	0.4668513		4.0	25
Methylcyclohexane	A	40.0	43.2	0.3399522	0.3668739		7.9	25
Methylene Chloride	A	40.0	40.4	0.2939234	0.2966794		0.9	25
2-Butanone (MEK)	A	40.0	34.8	6.459929E-02	5.621777E-02		-13.0	40
4-Methyl-2-pentanone (MIBK)	A	40.0	38.5	0.1526778	0.1470314		-3.7	40
Styrene	A	40.0	42.9	0.8643146	0.9275818		7.3	25
1,1,2,2-Tetrachloroethane	A	40.0	39.4	0.491579	0.4837115	0.3	-1.6	25
Tetrachloroethene	A	40.0	41.6	0.3619475	0.3767292		4.1	25
Toluene	A	40.0	41.4	0.9571565	0.9904849		3.5	20
1,2,4-Trichlorobenzene	A	40.0	42.0	0.5320486	0.5581041		4.9	25
1,1,1-Trichloroethane	A	40.0	44.2	0.2747558	0.3036326		10.5	25
1,1,2-Trichloroethane	A	40.0	40.9	0.1343431	0.1374043		2.3	25
Trichloroethene	A	40.0	41.5	0.2392929	0.2483332		3.8	25
Trichlorofluoromethane	A	40.0	43.5	0.299269	0.3251319		8.6	25
1,1,2-Trichloro-1,2,2-trifluoroethane	A	40.0	42.7	0.1850298	0.1975036		6.7	25
Vinyl Chloride	A	40.0	44.4	0.2264063	0.2511154		10.9	20
Xylene (Total)	A	120	127	0.5223681	0.5533947		5.9	25

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

* Values outside of QC limits

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : CCV0521.D
InstName : 224
Acq On : 21 May 2012 8:16 am
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:05:40 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00
2		dichlorodifluoromethane	0.221	0.210	5.0	91	0.00
3	P	chloromethane	0.214	0.227	-6.1	104	-0.01
4	C	vinyl chloride	0.226	0.251	-11.1	104	0.00
5		bromomethane	0.111	0.132	-18.9	138	0.00
6		chloroethane	0.149	0.153	-2.7	103	0.00
7		dichlorofluoromethane	0.340	0.362	-6.5	103	0.00
8		trichlorofluoromethane	0.299	0.325	-8.7	102	0.00
9		ethyl ether	0.101	0.096	5.0	87	0.00
10		acrolein	0.021	0.022	-4.8	104	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.185	0.198	-7.0	100	0.00
12	C	1,1-dichloroethene	0.196	0.205	-4.6	100	0.00
13		acetone	0.057	0.046	19.3	98	0.00
14		iodomethane	0.188	0.200	-6.4	87	0.00
15		carbon disulfide	0.592	0.624	-5.4	113	0.00
16		methyl acetate	0.132	0.119	9.8	95	0.00
17		methylene chloride	0.294	0.297	-1.0	105	0.00
18		acrylonitrile	0.063	0.064	-1.6	95	0.00
19		trans-1,2-dichloroethene	0.207	0.219	-5.8	101	0.00
20		methyl (tert) butyl ether	0.449	0.467	-4.0	98	0.00
21	P	1,1-dichloroethane	0.369	0.385	-4.3	100	0.00
22		vinyl acetate	0.313	0.399	-27.5#	136	0.00
23		2,2-dichloropropane	0.161	0.223	-38.5#	125	0.00
24		cis-1,2-dichloroethene	0.224	0.236	-5.4	100	0.00
25		2-butanone (MEK)	0.065	0.056	13.8	99	0.00
26		bromochloromethane	0.174	0.180	-3.4	99	0.00
27		tetrahydrofuran	0.018	0.018	0.0	94	0.00
28	C	chloroform	0.347	0.363	-4.6	101	0.00
29	S	#Dibromofluoromethane	0.229	0.231	-0.9	102	0.00
30		1,1,1-trichloroethane	0.275	0.304	-10.5	102	0.00
31		cyclohexane	0.378	0.408	-7.9	98	0.00
32		carbon tetrachloride	0.239	0.268	-12.1	102	0.00
33		1,1-dichloropropene	0.289	0.311	-7.6	100	0.00
34		benzene	0.899	0.933	-3.8	100	0.00
35		1,2-dichloroethane	0.256	0.260	-1.6	98	0.00
36		heptane	0.000	0.032	0.0	0#	0.00
37	s	#1,2-Dichloroethane-d4	0.253	0.245	3.2	98	0.00
38		trichloroethene	0.239	0.248	-3.8	98	0.00
39		methylcyclohexane	0.340	0.367	-7.9	99	0.00
40	C	1,2-dichloropropane	0.209	0.220	-5.3	100	0.00
41		dibromomethane	0.106	0.109	-2.8	98	0.00
42		1,4-dioxane	0.000	0.000	0.0	0#	-7.66#
43		bromodichloromethane	0.246	0.264	-7.3	101	0.00
44		2-chloroethyl vinyl ether	0.064	0.062	3.1	100	0.00
45		cis-1,3-dichloropropene	0.242	0.290	-19.8	107	0.00
46		4-methyl-2-pentanone (MIBK)	0.153	0.147	3.9	102	0.00
47	s	#Toluene-d8	0.994	0.994	0.0	101	0.00
48	C	toluene	0.957	0.990	-3.4	99	0.00
49		trans-1,3-dichloropropene	0.193	0.242	-25.4#	107	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : CCV0521.D
InstName : 224
Acq On : 21 May 2012 8:16 am
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:05:40 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

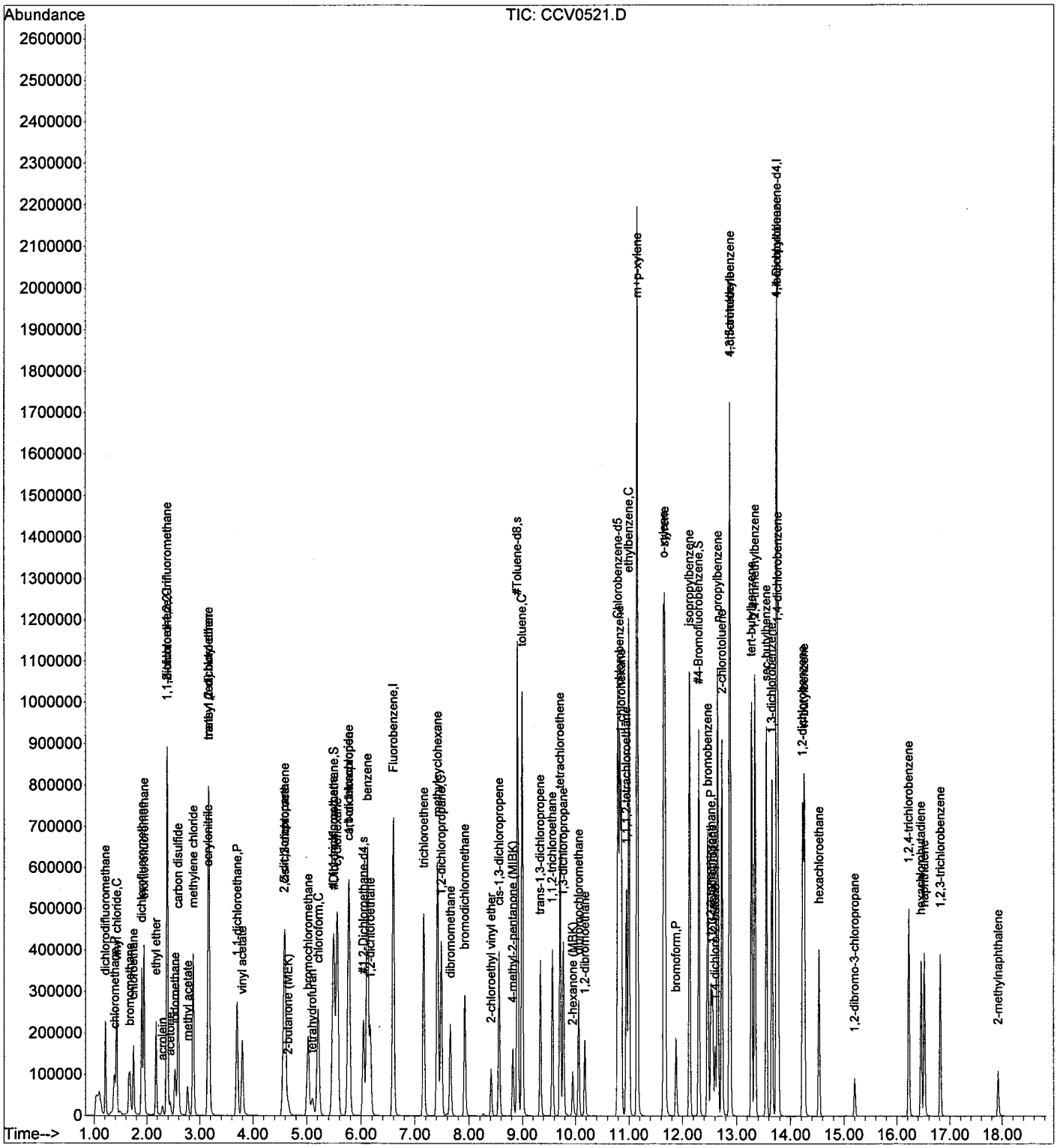
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50		1,1,2-trichloroethane	0.134	0.137	-2.2	97	0.00
51		Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
52		tetrachloroethene	0.362	0.377	-4.1	99	0.00
53		1,3-dichloropropane	0.392	0.399	-1.8	96	0.00
54		2-hexanone (MBK)	0.136	0.130	4.4	101	0.00
55		dibromochloromethane	0.225	0.247	-9.8	101	0.00
56		1,2-dibromoethane	0.194	0.200	-3.1	97	0.00
57		chlorobenzene	0.807	0.827	-2.5	100	0.00
58		1-chlorohexane	0.271	0.286	-5.5	99	0.00
59		1,1,1,2-tetrachloroethane	0.240	0.265	-10.4	102	0.00
60	C	ethylbenzene	1.361	1.417	-4.1	99	0.00
61		m+p-xylene	0.535	0.563	-5.2	100	0.00
62		o-xylene	0.497	0.534	-7.4	100	0.00
63		styrene	0.864	0.928	-7.4	100	0.00
64	P	bromoform	0.139	0.155	-11.5	102	0.00
65	S	#4-Bromofluorobenzene	0.472	0.476	-0.8	103	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
67		isopropylbenzene	2.082	2.208	-6.1	99	0.00
68		bromobenzene	0.908	0.928	-2.2	100	0.00
69	P	1,1,2,2-tetrachloroethane	0.492	0.484	1.6	97	0.00
70		1,2,3-trichloropropane	0.153	0.149	2.6	93	0.00
71		1,4-dichloro-2-butene	0.099	0.123	-24.2	125	0.00
72		n-propylbenzene	0.601	0.643	-7.0	100	0.00
73		2-chlorotoluene	0.540	0.570	-5.6	100	0.00
74		1,3,5-trimethylbenzene	1.701	1.812	-6.5	100	0.00
75		4-chlorotoluene	0.557	0.589	-5.7	100	0.00
76		tert-butylbenzene	1.424	1.526	-7.2	99	0.00
77		1,2,4-trimethylbenzene	1.722	1.847	-7.3	100	0.00
78		sec-butylbenzene	1.900	2.041	-7.4	100	0.00
79		1,3-dichlorobenzene	1.070	1.120	-4.7	100	0.00
80		4-isopropyltoluene	1.659	1.773	-6.9	101	0.00
81		1,4-dichlorobenzene	1.117	1.145	-2.5	100	0.00
82		1,2-dichlorobenzene	1.015	1.053	-3.7	98	0.00
83		n-butylbenzene	1.229	1.365	-11.1	101	0.00
84		hexachloroethane	0.173	0.211	-22.0	108	0.00
85		1,2-dibromo-3-chloropropane	0.084	0.092	-9.5	92	0.00
86		1,2,4-trichlorobenzene	0.532	0.558	-4.9	96	0.00
87		hexachlorobutadiene	0.243	0.267	-9.9	105	0.00
88		naphthalene	1.148	1.014	11.7	83	0.00
89		1,2,3-trichlorobenzene	0.440	0.425	3.4	90	0.00
90		2-methylnaphthalene	0.285	0.196	31.2#	66	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : CCV0521.D
InstName : 224
Acq On : 21 May 2012 8:16 am
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:05:40 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : CCV0521.D
InstName : 224
Acq On : 21 May 2012 8:16 am
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:05:40 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	839610	40.00	ug/L	0.00 101.75%
51) Chlorobenzene-d5	10.80	117	636359	40.00	ug/L	0.00 102.17%
66) 1,4-Dichlorobenzene-d4	13.75	152	343986	40.00	ug/L	0.00 101.79%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.50	111	194311	40.44	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.10%			
37) #1,2-Dichloroethane-d4	6.04	65	205540	38.64	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.60%			
47) #Toluene-d8	8.91	98	834679	40.02	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.05%			
65) #4-Bromofluorobenzene	12.30	95	302699	40.30	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.75%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.21	85	176490	38.11	ug/L	100
3) chloromethane	1.38	50	190344	42.46	ug/L	100
4) vinyl chloride	1.43	62	210839	44.37	ug/L	99
5) bromomethane	1.68	94	110847	47.44	ug/L	99
6) chloroethane	1.74	64	128593	41.04	ug/L	100
7) dichlorofluoromethane	1.90	67	303847	42.55	ug/L	99
8) trichlorofluoromethane	1.94	101	272984	43.46	ug/L	100
9) ethyl ether	2.18	74	80946	38.25	ug/L	98
10) acrolein	2.30	56	18679	41.99	ug/L #	100
11) 1,1,2-trichloro-1,2,2-trif	2.38	101	165826	42.70	ug/L	100
12) 1,1-dichloroethene	2.38	96	171894	41.86	ug/L	98
13) acetone	2.44	43	38756	32.54	ug/L	97
14) iodomethane	2.53	142	167824	31.77	ug/L	100
15) carbon disulfide	2.58	76	524074	42.20	ug/L	99
16) methyl acetate	2.77	43	100142	36.04	ug/L	99
17) methylene chloride	2.87	49	249095	40.38	ug/L	100
18) acrylonitrile	3.15	53	53889	36.17	ug/L	99
19) trans-1,2-dichloroethene	3.16	96	183631	42.21	ug/L	99
20) methyl (tert) butyl ether	3.17	73	391973	41.58	ug/L	99
21) 1,1-dichloroethane	3.70	63	322951	41.70	ug/L	100
22) vinyl acetate	3.80	43	334696	44.76	ug/L	100
23) 2,2-dichloropropane	4.57	77	187121	47.51	ug/L	98
24) cis-1,2-dichloroethene	4.60	96	197914	42.14	ug/L	98
25) 2-butanone (MEK)	4.66	43	47201	34.81	ug/L	99
26) bromochloromethane	5.02	49	151463	41.39	ug/L	99
27) tetrahydrofuran	5.11	71	14845	34.70	ug/L	93
28) chloroform	5.21	83	304502	41.76	ug/L	99
30) 1,1,1-trichloroethane	5.48	97	254933	44.20	ug/L	99
31) cyclohexane	5.55	56	342372	43.14	ug/L	99
32) carbon tetrachloride	5.76	117	224944	39.74	ug/L	99
33) 1,1-dichloropropene	5.78	75	261039	42.97	ug/L	99
34) benzene	6.11	78	783271	41.53	ug/L	100
35) 1,2-dichloroethane	6.17	62	218652	40.71	ug/L	100
36) heptane	6.60	57	26824	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : CCV0521.D
InstName : 224
Acq On : 21 May 2012 8:16 am
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:05:40 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	208503	41.51 ug/L	99
39) methylcyclohexane	7.42	83	308031	43.17 ug/L	100
40) 1,2-dichloropropane	7.49	63	184625	42.19 ug/L	100
41) dibromomethane	7.66	93	91476	40.97 ug/L	98
42) 1,4-dioxane	0.00	88	0	N.D.	
43) bromodichloromethane	7.92	83	221670	42.84 ug/L	99
44) 2-chloroethyl vinyl ether	8.41	63	52326	39.19 ug/L	99
45) cis-1,3-dichloropropene	8.56	75	243191	39.96 ug/L	99
46) 4-methyl-2-pentanone (MIBK	8.82	43	123449	38.52 ug/L	99
48) toluene	9.00	91	831621	41.39 ug/L	99
49) trans-1,3-dichloropropene	9.34	75	202893	39.02 ug/L	99
50) 1,1,2-trichloroethane	9.56	83	115366	40.91 ug/L	99
52) tetrachloroethene	9.71	166	239735	41.63 ug/L	99
53) 1,3-dichloropropane	9.77	76	254046	40.78 ug/L	99
54) 2-hexanone (MBK)	9.95	43	82851	35.20 ug/L	98
55) dibromochloromethane	10.06	129	156963	38.44 ug/L	99
56) 1,2-dibromoethane	10.17	109	127364	41.26 ug/L	100
57) chlorobenzene	10.83	112	526515	41.03 ug/L	100
58) 1-chlorohexane	10.86	55	181694	42.10 ug/L	95
59) 1,1,1,2-tetrachloroethane	10.95	131	168398	44.07 ug/L	100
60) ethylbenzene	11.00	91	901694	41.65 ug/L	100
61) m+p-xylene	11.16	106	716522	84.16 ug/L	99
62) o-xylene	11.65	106	339951	43.01 ug/L	99
63) styrene	11.67	104	590275	42.93 ug/L	99
64) bromoform	11.88	173	98808	37.52 ug/L	99
67) isopropylbenzene	12.13	105	759487	42.42 ug/L	99
68) bromobenzene	12.47	77	319166	40.86 ug/L	99
69) 1,1,2,2-tetrachloroethane	12.53	83	166390	39.36 ug/L #	100
70) 1,2,3-trichloropropane	12.56	110	51097	38.79 ug/L	97
71) 1,4-dichloro-2-butene	12.60	53	42256	41.66 ug/L #	70
72) n-propylbenzene	12.65	120	221037	42.79 ug/L	100
73) 2-chlorotoluene	12.73	126	195903	42.22 ug/L	98
74) 1,3,5-trimethylbenzene	12.88	105	623145	42.61 ug/L	100
75) 4-chlorotoluene	12.87	126	202620	42.29 ug/L	98
76) tert-butylbenzene	13.28	119	524891	42.87 ug/L	99
77) 1,2,4-trimethylbenzene	13.34	105	635243	42.88 ug/L	100
78) sec-butylbenzene	13.55	105	702180	42.97 ug/L	100
79) 1,3-dichlorobenzene	13.66	146	385384	41.90 ug/L	99
80) 4-isopropyltoluene	13.75	119	610039	42.76 ug/L	100
81) 1,4-dichlorobenzene	13.77	146	393881	41.02 ug/L	100
82) 1,2-dichlorobenzene	14.22	146	362278	41.48 ug/L	99
83) n-butylbenzene	14.25	91	469625	39.76 ug/L	99
84) hexachloroethane	14.53	201	72749	38.88 ug/L	94
85) 1,2-dibromo-3-chloropropan	15.20	157	31514	33.54 ug/L	97
86) 1,2,4-trichlorobenzene	16.22	180	191980	41.96 ug/L	100
87) hexachlorobutadiene	16.46	225	91674	43.88 ug/L	100
88) naphthalene	16.51	128	348921	32.46 ug/L	99
89) 1,2,3-trichlorobenzene	16.82	180	146298	38.67 ug/L	99
90) 2-methylnaphthalene	17.92	142	67293	25.49 ug/L	99

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

CONTINUING CALIBRATION CHECK
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Lab Sample ID: 2F04013-CCV1
Injection Date: 05/31/12
Calibration Date: 05/24/12 00:00
Sequence: 2F04013

SDG: KNM050712
Project: KNM
Lab File ID: CCV0531A.D
Injection Time: 08:04
Calibration: 2E25004
Instrument ID: 328

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	40.0	32.4	0.1032336	7.736226E-02		-19.0	40
Benzene	A	40.0	42.2	1.171663	1.237704		5.6	25
Bromodichloromethane	A	40.0	41.9	0.3637789	0.3812171		4.8	25
Bromoform	L	40.0	34.4	0.226373	0.2216208	0.1	-14.0	25
Bromomethane	A	40.0	31.2	0.250583	0.1956554		-21.9	25
Carbon Disulfide	A	40.0	43.7	0.786563	0.8598624		9.3	25
Carbon Tetrachloride	A	40.0	38.4	0.4325873	0.4148735		-4.1	25
Chlorobenzene	A	40.0	39.6	1.109934	1.098788	0.3	-1.0	25
Chloroethane	A	40.0	40.1	0.2360506	0.236425		0.2	25
Chloroform	A	40.0	39.2	0.5406316	0.5295424		-2.1	20
Chloromethane	A	40.0	38.7	0.3431692	0.3321928	0.1	-3.2	25
Cyclohexane	A	40.0	43.5	0.4857688	0.5278875		8.7	25
1,2-Dibromo-3-chloropropane	L	40.0	37.1	0.1120322	0.1213901		-7.2	25
Dibromochloromethane	A	40.0	41.0	0.3414002	0.349954		2.5	25
1,2-Dibromoethane	A	40.0	40.4	0.2975745	0.3004994		1.0	25
1,2-Dichlorobenzene	A	40.0	41.2	1.322123	1.362913		3.1	25
1,3-Dichlorobenzene	A	40.0	40.0	1.472708	1.472341		-0.02	25
1,4-Dichlorobenzene	A	40.0	38.4	1.559544	1.4987		-3.9	25
Dichlorodifluoromethane	A	40.0	39.0	0.3149647	0.3071123		-2.5	25
1,1-Dichloroethane	A	40.0	41.4	0.5453642	0.5642206	0.1	3.5	25
1,2-Dichloroethane	A	40.0	37.3	0.4169377	0.3886656		-6.8	25
1,1-Dichloroethene	A	40.0	41.5	0.2964998	0.3076723		3.8	20
cis-1,2-Dichloroethene	A	40.0	42.0	0.3194732	0.3357991		5.1	25
trans-1,2-Dichloroethene	A	40.0	39.4	0.3377849	0.3330478		-1.4	25
1,2-Dichloropropane	A	40.0	43.8	0.2754628	0.301359		9.4	20
cis-1,3-Dichloropropene	L	40.0	39.2	0.3913493	0.4453091		-1.9	25
trans-1,3-Dichloropropene	L	40.0	42.7	0.3261361	0.406674		6.8	25
Ethylbenzene	A	40.0	41.7	1.819869	1.897234		4.3	20
2-Hexanone	L	40.0	38.0	0.1679569	0.1818763		-4.9	40

CONTINUING CALIBRATION CHECK
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2F04013-CCV1
Lab File ID: CCV0531A.D
Injection Date: 05/31/12
Injection Time: 08:04
Calibration Date: 05/24/12 00:00
Calibration: 2E25004
Sequence: 2F04013
Instrument ID: 328

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropylbenzene	L	40.0	42.9	2.436346	2.977323		7.4	25
Methyl Acetate	L	40.0	33.8	0.2529547	0.1784204		-15.5	25
Methyl tert-Butyl Ether	A	40.0	36.8	0.7816388	0.7200198		-7.9	25
Methylcyclohexane	L	40.0	39.6	0.431788	0.4779303		-1.1	25
Methylene Chloride	L	40.0	39.2	0.432567	0.3842925		-1.9	25
2-Butanone (MEK)	A	40.0	39.6	0.1010746	0.1000752		-1.0	40
4-Methyl-2-pentanone (MIBK)	L	40.0	40.5	0.1861853	0.2167241		1.4	40
Styrene	L	40.0	39.2	1.104239	1.212993		-2.0	25
1,1,2,2-Tetrachloroethane	A	40.0	42.2	0.6742094	0.7115915	0.3	5.5	25
Tetrachloroethene	A	40.0	39.2	0.4875906	0.4785072		-1.9	25
Toluene	A	40.0	41.6	1.263722	1.314333		4.0	20
1,2,4-Trichlorobenzene	L	40.0	43.0	0.6646559	0.6342403		7.4	25
1,1,1-Trichloroethane	A	40.0	38.3	0.4781421	0.4579227		-4.2	25
1,1,2-Trichloroethane	A	40.0	40.0	0.2041182	0.2039953		-0.06	25
Trichloroethene	A	40.0	41.4	0.3355002	0.3469219		3.4	25
Trichlorofluoromethane	A	40.0	36.0	0.5551591	0.4996944		-10.0	25
1,1,2-Trichloro-1,2,2-trifluoroethane	A	40.0	33.8	0.3450977	0.2917445		-15.5	25
Vinyl Chloride	A	40.0	41.0	0.3853429	0.3954541		2.6	20
Xylene (Total)	A	120	123	0.6883603	0.7329117		6.5	25

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

* Values outside of QC limits

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : CCV0531A.D
Acq On : 31 May 2012 8:04
Operator : LEW
Sample : CCVA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 10:47:55 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	142	-0.01
2		dichlorodifluoromethane	0.315	0.307	2.5	137	0.00
3	P	chloromethane	0.343	0.332	3.2	134	0.00
4	C	vinyl chloride	0.385	0.395	-2.6	143	0.00
5		bromomethane	0.251	0.196	21.9	119	0.00
6		chloroethane	0.236	0.236	0.0	139	0.00
7		dichlorofluoromethane	0.603	0.556	7.8	128	0.00
8		trichlorofluoromethane	0.555	0.500	9.9	126	0.00
9		ethyl ether	0.184	0.154	16.3	112	-0.01
10		acrolein	0.041	0.037	9.8	124	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.345	0.292	15.4	119	0.00
12	C	1,1-dichloroethene	0.296	0.308	-4.1	144	0.00
13		acetone	0.103	0.077	25.2#	116	-0.01
14		iodomethane	0.302	0.445	-47.4#	163#	0.00
15		carbon disulfide	0.787	0.860	-9.3	143	0.00
16		methyl acetate	0.253	0.178	29.6#	118	0.00
17		methylene chloride	0.433	0.384	11.3	133	-0.01
18		acrylonitrile	0.105	0.098	6.7	127	0.00
19		trans-1,2-dichloroethene	0.338	0.333	1.5	137	-0.01
20		methyl (tert) butyl ether	0.782	0.720	7.9	124	-0.01
21	P	1,1-dichloroethane	0.545	0.564	-3.5	142	-0.01
22		vinyl acetate	0.403	0.547	-35.7#	180#	-0.01
23		2,2-dichloropropane	0.365	0.412	-12.9	150	-0.02
24		cis-1,2-dichloroethene	0.319	0.336	-5.3	140	-0.02
25		2-butanone (MEK)	0.101	0.100	1.0	136	-0.02
26		bromochloromethane	0.232	0.246	-6.0	145	-0.01
27		tetrahydrofuran	0.022	0.026	-18.2	140	0.00
28	C	chloroform	0.541	0.530	2.0	134	-0.02
29	S	#Dibromofluoromethane	0.273	0.257	5.9	134	-0.02
30		1,1,1-trichloroethane	0.478	0.458	4.2	131	-0.02
31		cyclohexane	0.486	0.528	-8.6	137	-0.02
32		carbon tetrachloride	0.433	0.415	4.2	130	-0.02
33		1,1-dichloropropene	0.402	0.457	-13.7	147	-0.02
34		benzene	1.172	1.238	-5.6	142	-0.02
35		1,2-dichloroethane	0.417	0.389	6.7	128	-0.02
36		heptane	0.000	0.032	0.0	0#	-0.01
37	s	#1,2-Dichloroethane-d4	0.165	0.152	7.9	131	-0.02
38		trichloroethene	0.336	0.347	-3.3	138	-0.02
39		methylcyclohexane	0.432	0.478	-10.6	137	-0.01
40	C	1,2-dichloropropane	0.275	0.301	-9.5	145	-0.02
41		dibromomethane	0.171	0.170	0.6	136	-0.02
42		1,4-dioxane	0.000	0.000	0.0	0#	-0.01
43		bromodichloromethane	0.364	0.381	-4.7	138	-0.01
44		2-chloroethyl vinyl ether	0.093	0.115	-23.7	143	0.00
45		cis-1,3-dichloropropene	0.391	0.445	-13.8	139	-0.02
46		4-methyl-2-pentanone (MIBK)	0.186	0.217	-16.7	149	-0.01
47	s	#Toluene-d8	0.996	1.001	-0.5	141	-0.01

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : CCV0531A.D
Acq On : 31 May 2012 8:04
Operator : LEW
Sample : CCVA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 10:47:55 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	C	toluene	1.264	1.314	-4.0	140	-0.01
49		trans-1,3-dichloropropene	0.326	0.407	-24.8	155#	-0.01
50		1,1,2-trichloroethane	0.204	0.204	0.0	136	-0.01
51		Chlorobenzene-d5	1.000	1.000	0.0	145	-0.01
52		tetrachloroethene	0.488	0.479	1.8	136	-0.01
53		1,3-dichloropropane	0.557	0.565	-1.4	135	-0.01
54		2-hexanone (MBK)	0.168	0.182	-8.3	144	-0.01
55		dibromochloromethane	0.341	0.350	-2.6	133	-0.01
56		1,2-dibromoethane	0.298	0.300	-0.7	136	-0.01
57	P	chlorobenzene	1.110	1.099	1.0	137	-0.01
58		1-chlorohexane	0.374	0.377	-0.8	135	-0.01
59		1,1,1,2-tetrachloroethane	0.376	0.371	1.3	131	-0.01
60	C	ethylbenzene	1.820	1.897	-4.2	138	-0.01
61		m+p-xylene	0.714	0.748	-4.8	138	-0.01
62		o-xylene	0.637	0.702	-10.2	138	-0.01
63		styrene	1.104	1.213	-9.9	139	-0.01
64	P	bromoform	0.226	0.222	1.8	127	0.00
65	S	#4-Bromofluorobenzene	0.505	0.502	0.6	144	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	136	-0.01
67		isopropylbenzene	2.436	2.977	-22.2	144	-0.01
68		bromobenzene	1.159	1.207	-4.1	136	-0.01
69	P	1,1,2,2-tetrachloroethane	0.674	0.712	-5.6	138	-0.01
70		1,2,3-trichloropropane	0.224	0.221	1.3	129	0.00
71		1,4-dichloro-2-butene	0.192	0.213	-10.9	134	-0.01
72		n-propylbenzene	0.799	0.886	-10.9	135	-0.01
73		2-chlorotoluene	0.743	0.778	-4.7	131	-0.01
74		1,3,5-trimethylbenzene	2.428	2.524	-4.0	127	-0.01
75		4-chlorotoluene	2.345	2.546	-8.6	134	-0.01
76		tert-butylbenzene	1.915	2.124	-10.9	131	0.00
77		1,2,4-trimethylbenzene	2.344	2.553	-8.9	130	-0.01
78		sec-butylbenzene	2.652	2.958	-11.5	133	-0.01
79		1,3-dichlorobenzene	1.473	1.472	0.1	129	-0.01
80		4-isopropyltoluene	2.315	2.532	-9.4	137	-0.01
81		1,4-dichlorobenzene	1.560	1.499	3.9	127	-0.01
82		1,2-dichlorobenzene	1.322	1.363	-3.1	130	0.00
83		n-butylbenzene	1.771	2.056	-16.1	135	-0.01
84		hexachloroethane	0.319	0.303	5.0	118	-0.01
85		1,2-dibromo-3-chloropropane	0.112	0.121	-8.0	132	0.00
86		1,2,4-trichlorobenzene	0.659	0.738	-12.0	133	-0.01
87		hexachlorobutadiene	0.323	0.331	-2.5	138	-0.01
88		naphthalene	1.399	1.675	-19.7	139	0.00
89		1,2,3-trichlorobenzene	0.591	0.634	-7.3	130	0.00
90		2-methylnaphthalene	0.353	0.558	-58.1#	177#	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : CCV0531A.D
Acq On : 31 May 2012 8:04
Operator : LEW
Sample : CCVA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 10:47:55 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

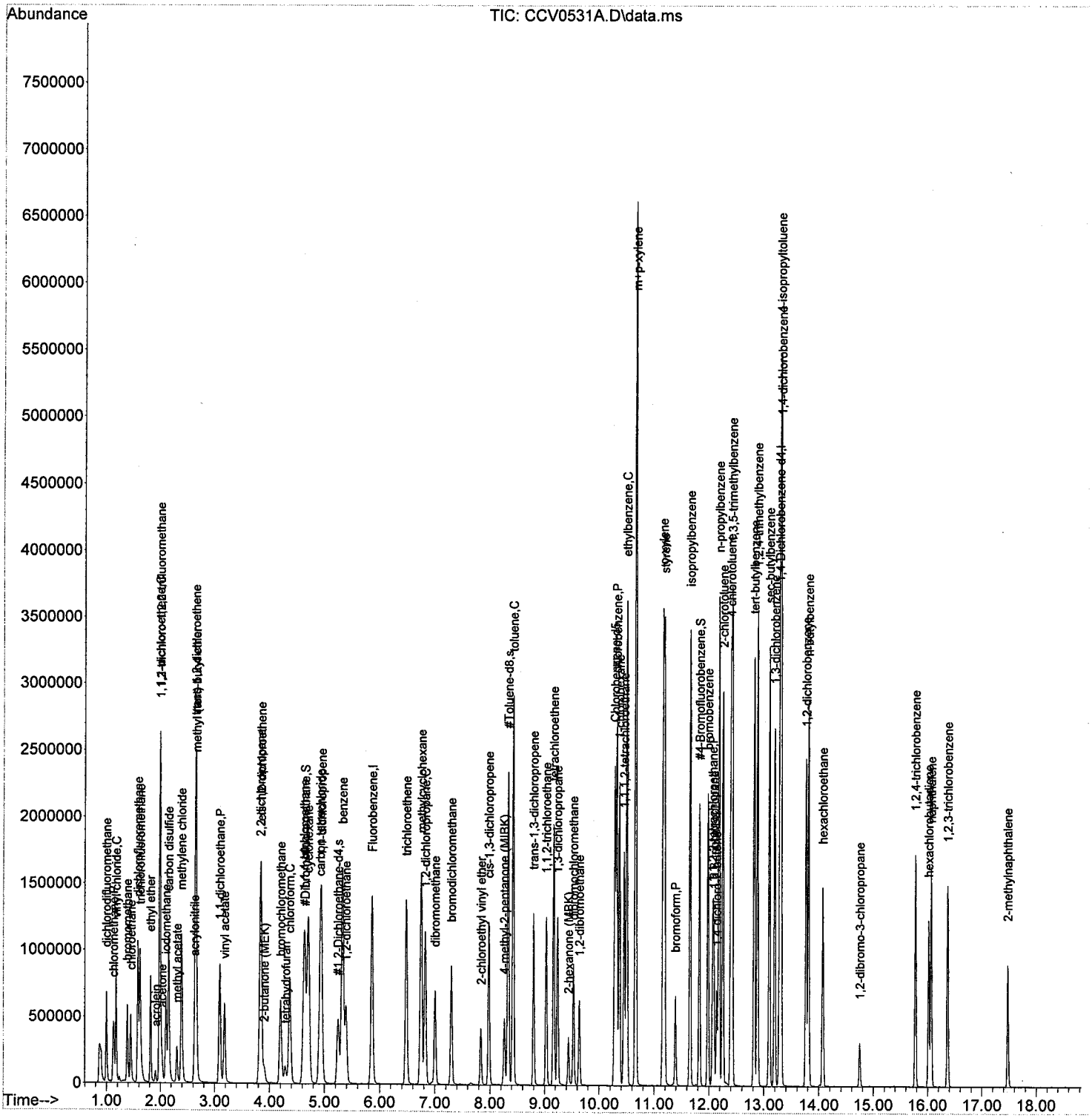
Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : CCV0531A.D
Acq On : 31 May 2012 8:04
Operator : LEW
Sample : CCVA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 10:47:55 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : CCV0531A.D
Acq On : 31 May 2012 8:04
Operator : LEW
Sample : CCVA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 10:47:55 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.860	96	1780222	40.00 ug/L	-0.01
51) Chlorobenzene-d5	10.280	117	1413983	40.00 ug/L	-0.01
66) 1,4-Dichlorobenzene-d4	13.280	152	800337	40.00 ug/L	#-0.01
System Monitoring Compounds					
29) #Dibromofluoromethane	4.647	111	456683	37.62 ug/L	-0.02
Spiked Amount 40.000			Recovery = 94.05%		
37) #1,2-Dichloroethane-d4	5.245	67	269756	36.75 ug/L	-0.02
Spiked Amount 40.000			Recovery = 91.88%		
47) #Toluene-d8	8.335	98	1782236	40.21 ug/L	-0.01
Spiked Amount 40.000			Recovery = 100.52%		
65) #4-Bromofluorobenzene	11.829	95	709589	39.77 ug/L	0.00
Spiked Amount 40.000			Recovery = 99.43%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.995	85	546728	39.00 ug/L	100
3) chloromethane	1.123	50	591377	38.72 ug/L	99
4) vinyl chloride	1.172	62	703996	41.05 ug/L	99
5) bromomethane	1.379	94	348310	31.23 ug/L	100
6) chloroethane	1.447	64	420889	40.06 ug/L	100
7) dichlorofluoromethane	1.575	67	988919	36.85 ug/L	100
8) trichlorofluoromethane	1.617	101	889567	36.00 ug/L	100
9) ethyl ether	1.812	74	273924	33.48 ug/L	97
10) acrolein	1.910	56	65500	36.05 ug/L	98
11) 1,1,2-trichloro-1,2,2-...	1.989	101	519370	33.82 ug/L	96
12) 1,1-dichloroethene	1.983	96	547725	41.51 ug/L #	87
13) acetone	2.026	43	137722	32.40 ug/L #	85
14) iodomethane	2.099	142	792905	43.92 ug/L	87
15) carbon disulfide	2.148	76	1530746	43.73 ug/L	100
16) methyl acetate	2.306	43	317628	33.80 ug/L	98
17) methylene chloride	2.385	49	684126	39.23 ug/L	99
18) acrylonitrile	2.623	53	173785	37.23 ug/L	94
19) trans-1,2-dichloroethene	2.641	96	592899	39.44 ug/L	96
20) methyl (tert) butyl ether	2.654	73	1281795	36.85 ug/L	93
21) 1,1-dichloroethane	3.093	63	1004438	41.38 ug/L	98
22) vinyl acetate	3.178	43	973929	46.23 ug/L	99
23) 2,2-dichloropropane	3.830	77	732572	45.13 ug/L	91
24) cis-1,2-dichloroethene	3.842	96	597797	42.04 ug/L	95
25) 2-butanone (MEK)	3.903	43	178156	39.60 ug/L	98
26) bromochloromethane	4.202	49	438072	42.48 ug/L #	80
27) tetrahydrofuran	4.294	71	45635	38.71 ug/L	85
28) chloroform	4.367	83	942703	39.18 ug/L	99
30) 1,1,1-trichloroethane	4.629	97	815204	38.31 ug/L	97
31) cyclohexane	4.702	56	939757	43.47 ug/L	88
32) carbon tetrachloride	4.921	117	738567	38.36 ug/L	100
33) 1,1-dichloropropene	4.946	75	813035	45.39 ug/L	99
34) benzene	5.324	78	2203388	42.25 ug/L	91
35) 1,2-dichloroethane	5.385	62	691911	37.29 ug/L	92
36) heptane	5.860	57	57159	No Calib	
38) trichloroethene	6.476	130	617598	41.36 ug/L	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : CCV0531A.D
Acq On : 31 May 2012 8:04
Operator : LEW
Sample : CCVA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 10:47:55 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

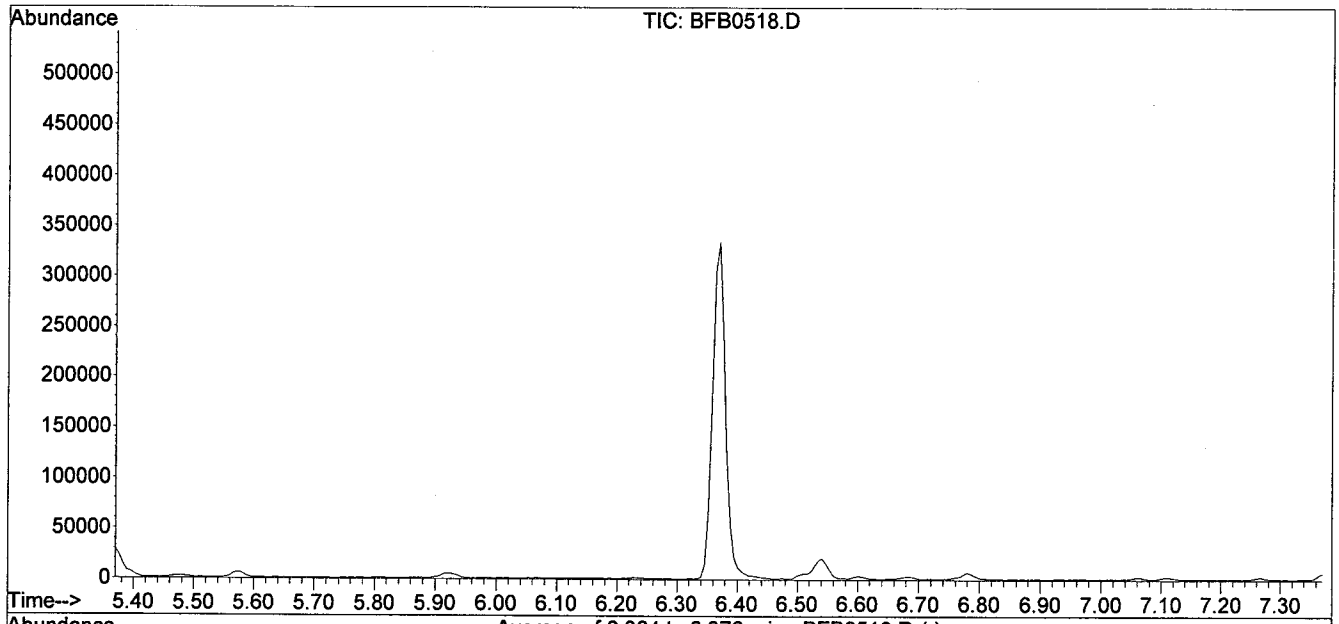
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	6.750	83	850822	39.55 ug/L	97
40)	1,2-dichloropropane	6.824	63	536486	43.76 ug/L	96
41)	dibromomethane	7.000	93	302327	39.68 ug/L	93
42)	1,4-dioxane	7.006	88	1499	No Calib #	
43)	bromodichloromethane	7.299	83	678651	41.92 ug/L	99
44)	2-chloroethyl vinyl ether	7.836	63	205391	37.40 ug/L	96
45)	cis-1,3-dichloropropene	7.976	75	792749	39.24 ug/L	87
46)	4-methyl-2-pentanone (...	8.262	43	385817	40.54 ug/L	96
48)	toluene	8.427	91	2339805	41.60 ug/L	99
49)	trans-1,3-dichloropropene	8.799	75	723970	42.70 ug/L	93
50)	1,1,2-trichloroethane	9.030	83	363157	39.98 ug/L	95
52)	tetrachloroethene	9.165	166	676601	39.25 ug/L	100
53)	1,3-dichloropropane	9.238	76	798431	40.54 ug/L	99
54)	2-hexanone (MBK)	9.439	43	257170	38.04 ug/L	95
55)	dibromochloromethane	9.530	129	494829	41.00 ug/L	99
56)	1,2-dibromoethane	9.640	109	424901	40.39 ug/L #	100
57)	chlorobenzene	10.317	112	1553667	39.60 ug/L	99
58)	1-chlorohexane	10.366	55	533257	40.30 ug/L	95
59)	1,1,1,2-tetrachloroethane	10.451	131	524958	39.47 ug/L	95
60)	ethylbenzene	10.500	91	2682656	41.70 ug/L	98
61)	m+p-xylene	10.664	106	2116717	83.84 ug/L	90
62)	o-xylene	11.164	106	992257	39.07 ug/L	90
63)	styrene	11.189	104	1715151	39.18 ug/L	89
64)	bromoform	11.390	173	313368	34.38 ug/L	100
67)	isopropylbenzene	11.658	105	2382862	42.94 ug/L	98
68)	bromobenzene	11.981	77	965977	41.67 ug/L	92
69)	1,1,2,2-tetrachloroethane	12.066	83	569513	42.22 ug/L #	100
70)	1,2,3-trichloropropane	12.091	110	176539	39.31 ug/L	95
71)	1,4-dichloro-2-butene	12.140	53	170609	39.59 ug/L	81
72)	n-propylbenzene	12.182	120	708816	40.41 ug/L	99
73)	2-chlorotoluene	12.255	126	622981	41.93 ug/L	99
74)	1,3,5-trimethylbenzene	12.420	105	2019724	38.10 ug/L	95
75)	4-chlorotoluene	12.396	91	2037321	43.42 ug/L	96
76)	tert-butylbenzene	12.822	119	1699978	39.39 ug/L	95
77)	1,2,4-trimethylbenzene	12.883	105	2043316	39.18 ug/L	95
78)	sec-butylbenzene	13.097	105	2367499	39.81 ug/L	99
79)	1,3-dichlorobenzene	13.194	146	1178369	39.99 ug/L	100
80)	4-isopropyltoluene	13.298	119	2026571	43.76 ug/L	96
81)	1,4-dichlorobenzene	13.310	146	1199465	38.44 ug/L	100
82)	1,2-dichlorobenzene	13.767	146	1090790	41.23 ug/L	99
83)	n-butylbenzene	13.810	91	1645636	40.52 ug/L	99
84)	hexachloroethane	14.072	201	242521	33.64 ug/L #	91
85)	1,2-dibromo-3-chloropr...	14.749	157	97153	37.13 ug/L	96
86)	1,2,4-trichlorobenzene	15.773	180	590962	38.95 ug/L	99
87)	hexachlorobutadiene	16.017	225	264892	40.94 ug/L	100
88)	naphthalene	16.066	128	1340439	40.93 ug/L	96
89)	1,2,3-trichlorobenzene	16.370	180	507606	42.96 ug/L	99
90)	2-methylnaphthalene	17.474	142	446386	48.09 ug/L	97

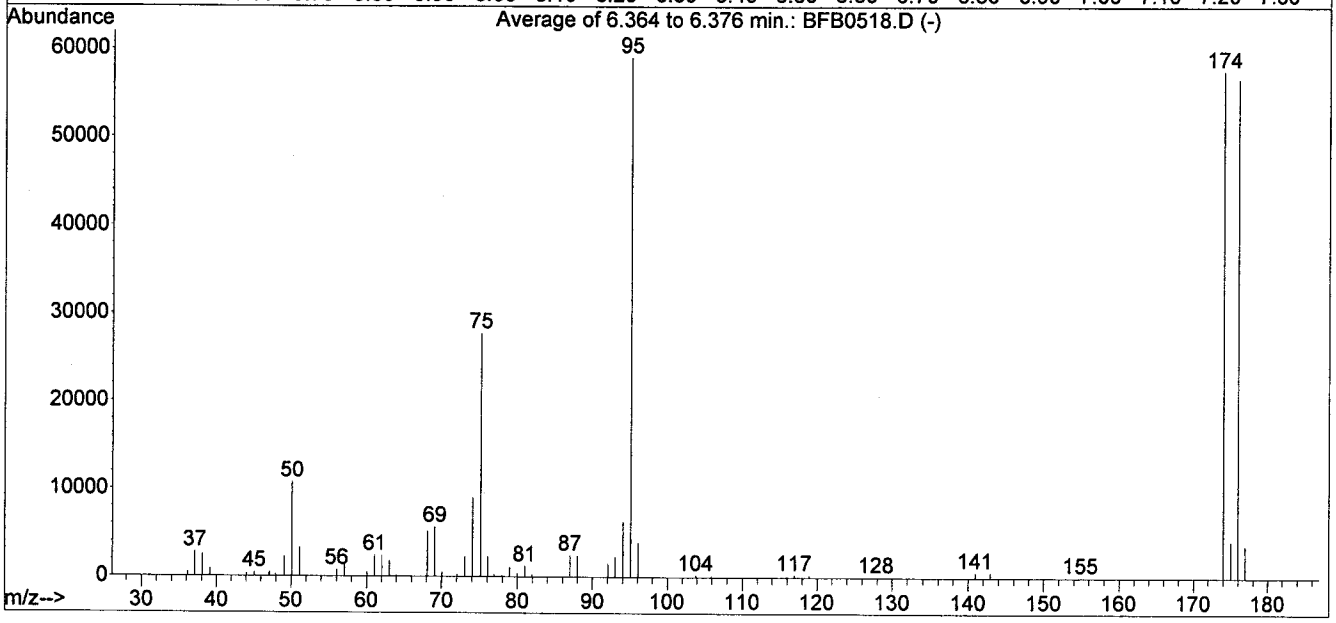
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BFB Tune Evaluation

Data File : C:\MSDChem\2\DATA\05-18-12\BFB0518.D Vial: 1
Acq On : 18 May 2012 8:23 am Operator: DLV
Sample : TUN Inst : 224
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\8260B-B26.M (RTE Integrator)
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil





Peak Apex is scan: 909 (6.37 min)
Average of 3 scans: 908,909,910 minus background scan 889 (6.25 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	10720	PASS
75	95	30	60	46.9	27704	PASS
95	95	100	100	100.0	59024	PASS
96	95	5	9	6.6	3901	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	97.6	57578	PASS
175	174	5	9	7.2	4156	PASS
176	174	95	101	98.4	56674	PASS
177	176	5	9	6.5	3695	PASS

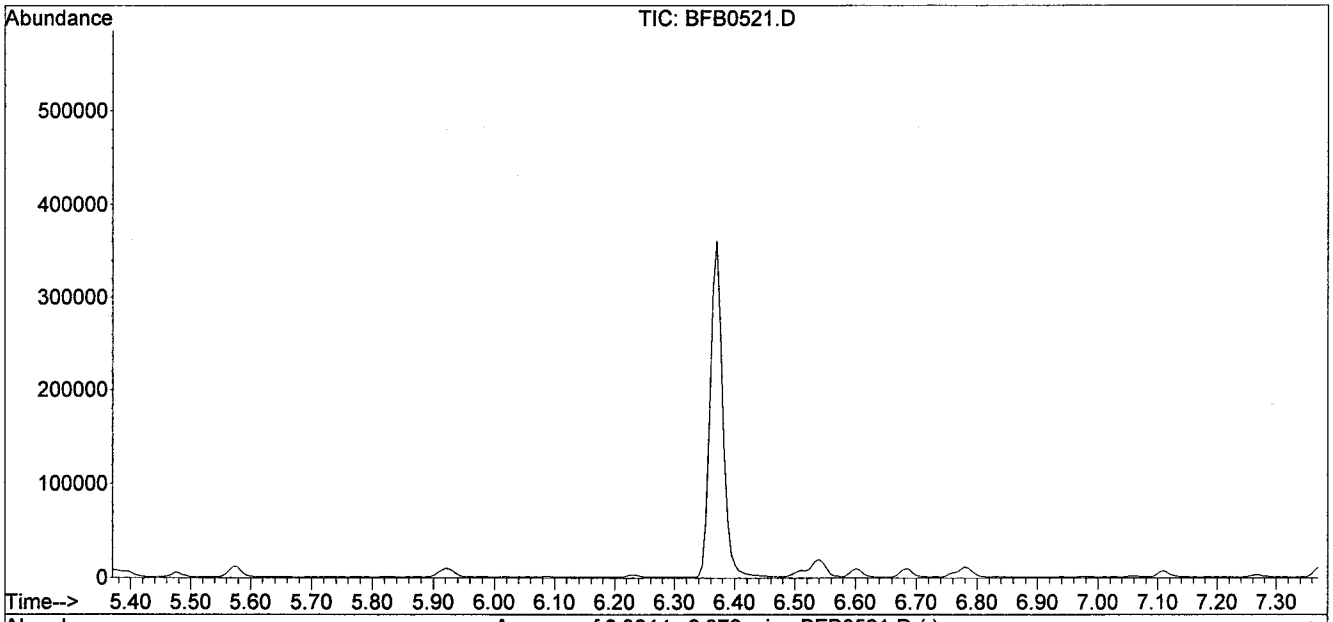
Average of 6.364 to 6.376 min.: BFB0518.D
TUN
Modified:subtracted

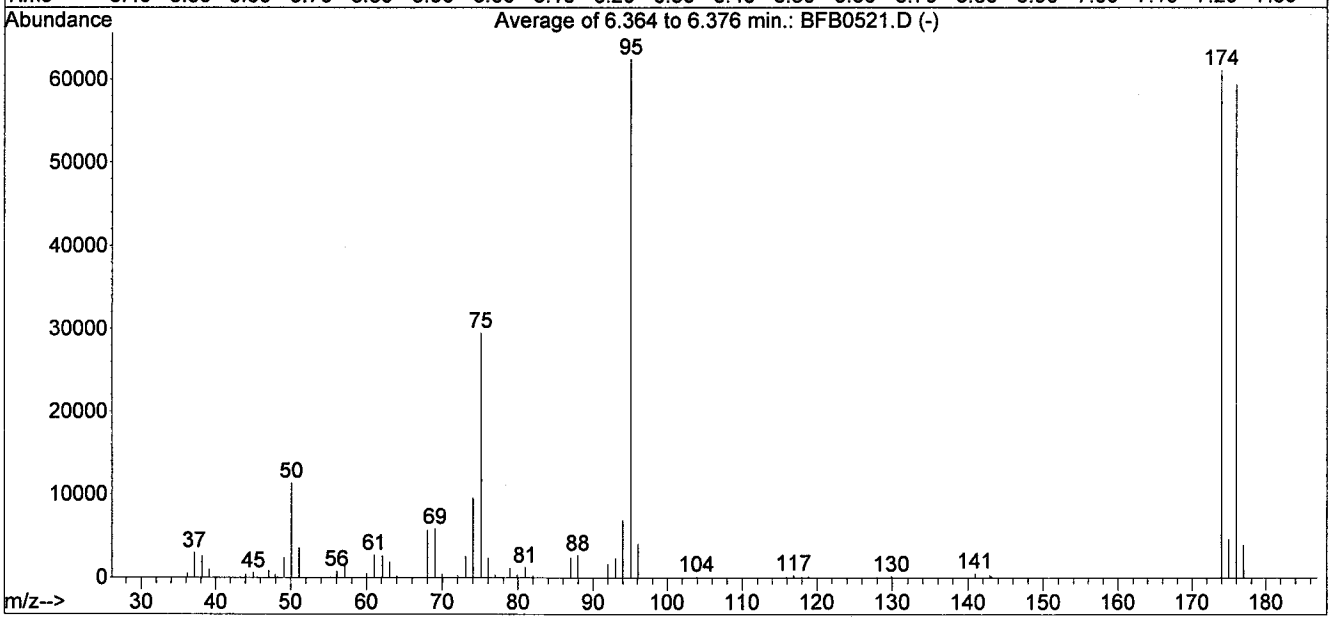
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	487	56.05	770	74.05	8987	95.10	59024
37.10	2763	57.05	1481	75.10	27704	96.05	3901
38.10	2466	60.05	514	76.05	2281	140.95	624
39.10	893	61.10	2383	78.95	1089	142.95	609
45.10	447	62.05	2333	80.00	400	174.00	57578
47.00	307	63.10	1825	80.95	1205	175.00	4156
47.15	516	68.10	5158	87.00	2449	175.95	56674
47.95	309	69.10	5642	88.00	2420	176.95	3695
49.10	2238	70.05	495	92.05	1505		
50.10	10720	72.05	301	93.00	2278		
51.10	3282	73.05	2248	94.05	6293		

BFB Tune Evaluation

Data File : C:\MSDChem\1\DATA\05-21-12\BFB0521.D Vial: 1
Acq On : 21 May 2012 7:49 am Operator: DLV
Sample : TUN Inst : 224
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\3\METHODS\8260B-B25.M (RTE Integrator)
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil





Peak Apex is scan: 909 (6.37 min)
Average of 3 scans: 908,909,910 minus background scan 889 (6.25 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	11371	PASS
75	95	30	60	47.3	29517	PASS
95	95	100	100	100.0	62450	PASS
96	95	5	9	6.5	4054	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	97.8	61090	PASS
175	174	5	9	7.5	4594	PASS
176	174	95	101	97.2	59405	PASS
177	176	5	9	6.7	3954	PASS

BFB0521.D 8260B-B25.M Mon May 21 08:03:44 2012

LBW 5-22-12

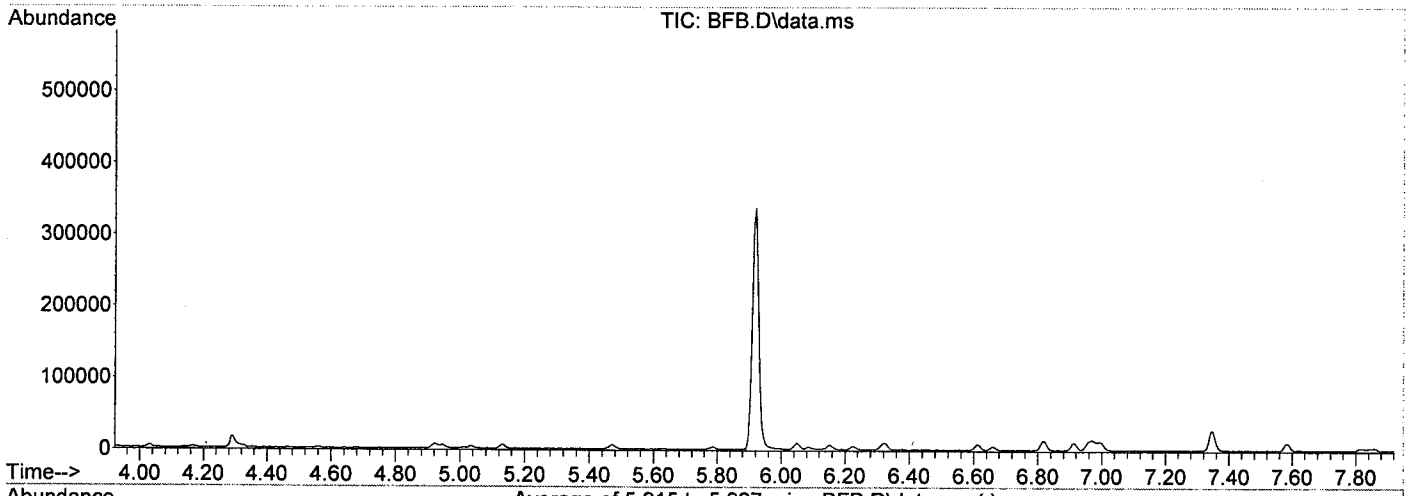
Average of 6.364 to 6.376 min.: BFB0521.D
TUN
Modified:subtracted

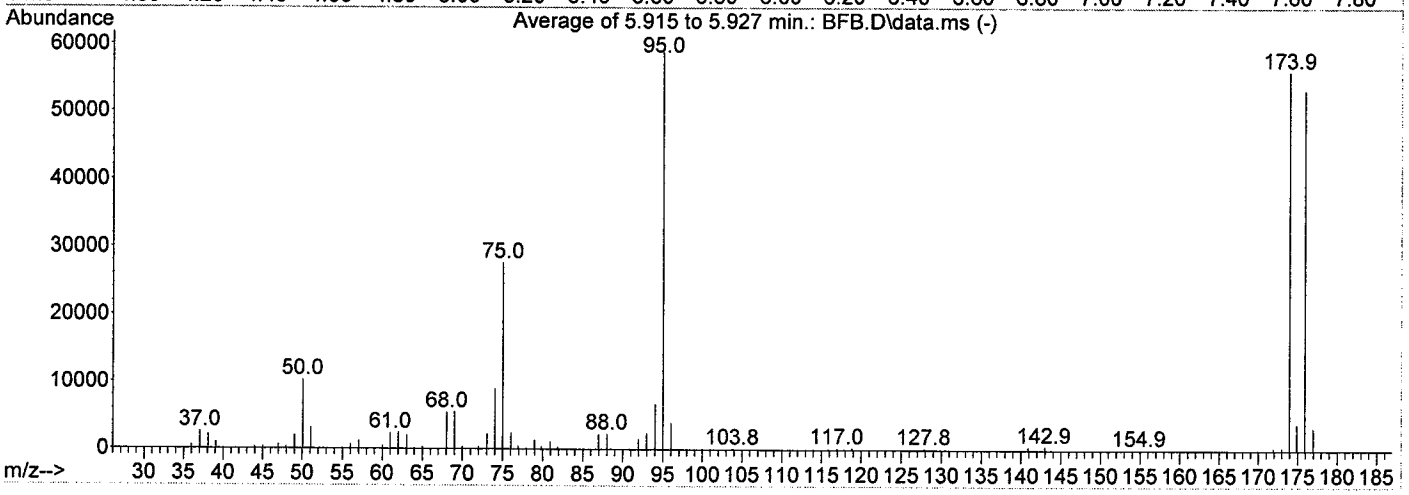
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	565	56.05	801	75.10	29517	95.10	62450
37.10	3007	57.05	1564	76.05	2387	96.05	4054
38.10	2600	60.00	493	76.95	347	140.95	565
39.10	1026	61.05	2709	78.90	1183	142.90	358
44.05	384	62.10	2601	79.90	355	173.95	61090
45.10	619	63.05	1905	80.95	1240	174.95	4594
47.10	883	68.05	5669	87.00	2430	175.95	59405
47.95	369	69.05	5842	87.95	2683	176.95	3954
49.10	2404	70.00	413	92.00	1691		
50.10	11371	73.05	2521	93.05	2362		
51.10	3553	74.05	9561	94.00	6919		

Data Path : C:\msdchem\1\DATA\05-24-12\
Data File : BFB.D
Acq On : 24 May 2012 9:12
Operator : LEW
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\8260B-WB61.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Tue May 15 10:25:30 2012





AutoFind: Scans 874, 875, 876; Background Corrected with Scan 867

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	10305	PASS
75	95	30	60	47.1	27688	PASS
95	95	100	100	100.0	58813	PASS
96	95	5	9	6.8	3993	PASS
173	174	0.00	2	0.7	412	PASS
174	95	50	100	95.3	56048	PASS
175	174	5	9	7.0	3910	PASS
176	174	95	101	95.4	53464	PASS
177	176	5	9	6.3	3368	PASS

Average of 5.915 to 5.927 min.: BFB.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	568	52.00	63	68.05	5466	78.95	1352
37.05	2577	54.95	112	69.00	5564	79.85	415
38.10	2156	56.00	701	70.00	396	80.95	1126
39.05	989	57.00	1226	72.00	374	81.90	332
44.00	272	60.00	476	73.05	2265	86.95	2190
45.05	392	61.00	2369	74.00	9005	88.00	2317
47.00	658	62.00	2468	75.00	27688	90.85	114
47.95	353	63.05	2070	76.05	2445	91.10	58
49.00	2051	64.00	143	76.95	466	91.95	1567
50.05	10305	65.00	322	77.70	50	92.95	2431
51.10	3148	67.10	51	77.95	202	94.00	6795

Average of 5.915 to 5.927 min.: BFB.D\data.ms
BFB
Modified:subtracted

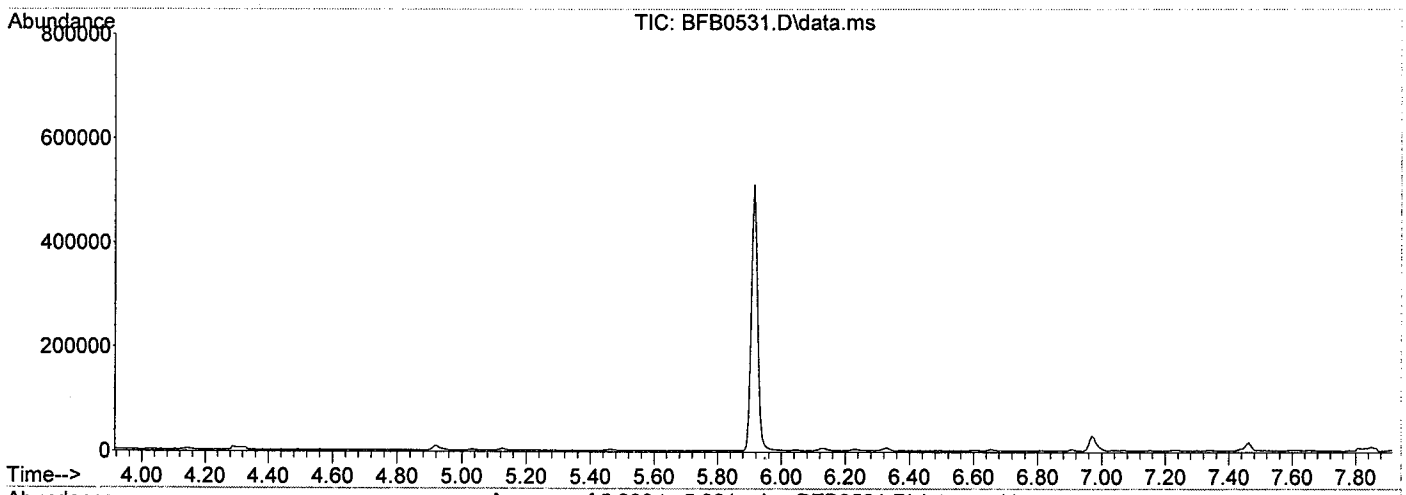
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	58813	118.85	305	173.95	56048		
96.00	3993	127.85	250	174.90	3910		
97.00	55	128.85	113	175.90	53464		
103.80	176	129.90	154	176.95	3368		
104.00	105	140.90	531				
105.80	93	142.95	560				
105.95	160	147.80	62				
115.90	204	154.90	106				
116.95	309	157.00	69				
117.85	129	171.90	410				
118.10	57	172.95	412				

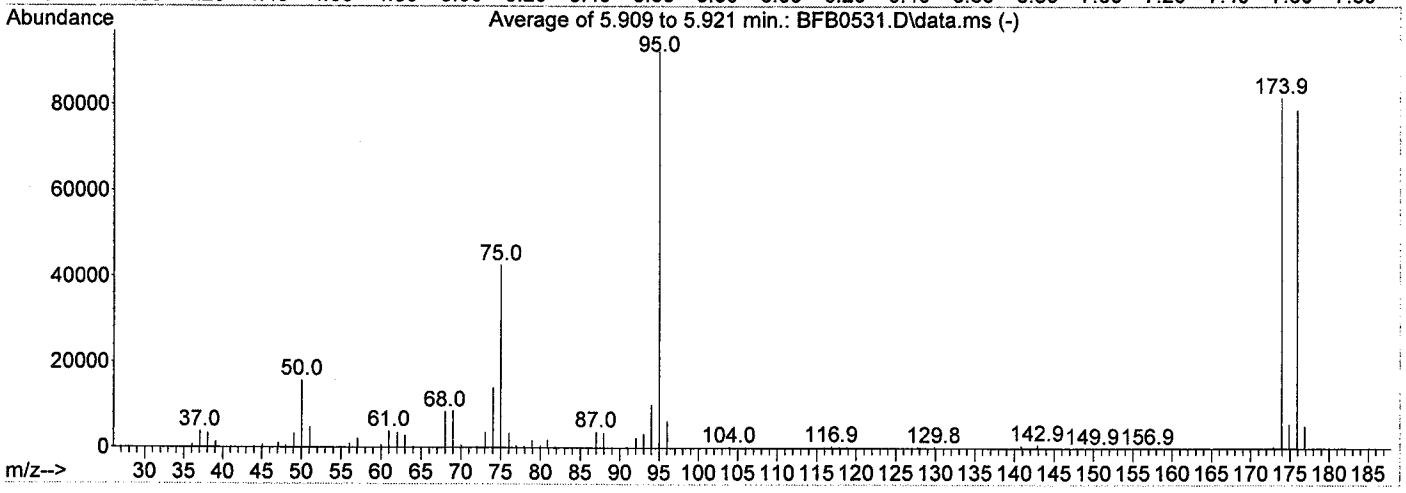
BFB

Data Path : C:\msdchem\1\DATA\05-31-12\
Data File : BFB0531.D
Acq On : 31 May 2012 7:08
Operator : LEW
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\8260B-WB62.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Thu May 24 14:40:16 2012





AutoFind: Scans 873, 874, 875; Background Corrected with Scan 866

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.0	15767	PASS
75	95	30	60	46.2	42768	PASS
95	95	100	100	100.0	92517	PASS
96	95	5	9	6.8	6279	PASS
173	174	0.00	2	0.5	424	PASS
174	95	50	100	88.4	81776	PASS
175	174	5	9	6.8	5589	PASS
176	174	95	101	96.5	78883	PASS
177	176	5	9	6.7	5254	PASS

DW 6/4/12

Average of 5.909 to 5.921 min.: BFB0531.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	795	51.05	4858	67.05	191	78.95	1714
37.05	3794	52.05	218	68.00	8474	80.00	496
38.05	3406	55.00	225	69.00	8585	80.90	1877
39.05	1387	56.05	980	70.05	616	81.85	332
40.00	67	57.05	2183	72.00	375	85.95	136
44.00	301	60.00	682	73.05	3531	87.00	3775
45.05	790	61.00	3888	74.05	13910	87.95	3543
47.05	1125	62.05	3507	75.00	42768	90.90	268
48.05	502	63.00	2897	76.05	3496	92.05	2321
49.05	3290	64.05	296	76.95	517	93.00	3343
50.05	15767	64.90	55	77.90	370	94.00	10104

Average of 5.909 to 5.921 min.: BFB0531.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	92517	118.85	380	147.90	189		
96.05	6279	127.80	289	149.90	66		
97.00	75	128.80	138	154.90	66		
103.95	317	129.00	58	156.90	50		
105.70	88	129.85	365	171.85	205		
105.80	106	134.80	53	172.90	424		
105.95	217	136.80	71	173.90	81776		
114.90	53	140.85	699	174.90	5589		
115.95	296	142.90	797	175.90	78883		
116.90	514	144.85	122	176.90	5254		
117.90	272	145.90	111	177.90	95		

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206463-BLK1 File ID: BLK0521.D

Prepared: 05/21/12 07:00 Analyzed: 05/21/12 09:39

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206463 Sequence: 2E22019 Calibration: 2E22009 Instrument: 224

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
67-64-1	Acetone	5.0	ug/L	1.1	5.0	U
71-43-2	Benzene	1.0	ug/L	0.11	1.0	U
75-27-4	Bromodichloromethane	1.0	ug/L	0.13	1.0	U
75-25-2	Bromoform	1.0	ug/L	0.26	1.0	U
74-83-9	Bromomethane	1.0	ug/L	0.21	1.0	U
75-15-0	Carbon Disulfide	5.0	ug/L	0.23	5.0	U
56-23-5	Carbon Tetrachloride	1.0	ug/L	0.26	1.0	U
108-90-7	Chlorobenzene	1.0	ug/L	0.17	1.0	U
75-00-3	Chloroethane	1.0	ug/L	0.14	1.0	U
67-66-3	Chloroform	1.0	ug/L	0.098	1.0	U
74-87-3	Chloromethane	1.0	ug/L	0.29	1.0	U
110-82-7	Cyclohexane	5.0	ug/L	0.18	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/L	0.13	1.0	U
124-48-1	Dibromochloromethane	1.0	ug/L	0.15	1.0	U
106-93-4	1,2-Dibromoethane	1.0	ug/L	0.15	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	ug/L	0.24	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	ug/L	0.24	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	ug/L	0.25	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	ug/L	0.21	1.0	U
75-34-3	1,1-Dichloroethane	1.0	ug/L	0.18	1.0	U
107-06-2	1,2-Dichloroethane	1.0	ug/L	0.21	1.0	U
75-35-4	1,1-Dichloroethene	1.0	ug/L	0.21	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	0.12	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	0.20	1.0	U
78-87-5	1,2-Dichloropropane	1.0	ug/L	0.28	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	0.19	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	0.19	1.0	U
100-41-4	Ethylbenzene	1.0	ug/L	0.21	1.0	U
591-78-6	2-Hexanone	5.0	ug/L	0.49	5.0	U
98-82-8	Isopropylbenzene	1.0	ug/L	0.22	1.0	U
79-20-9	Methyl Acetate	0.96	ug/L	0.42	5.0	J
1634-04-4	Methyl tert-Butyl Ether	1.0	ug/L	0.19	1.0	U
108-87-2	Methylcyclohexane	5.0	ug/L	0.37	5.0	U
75-09-2	Methylene Chloride	1.9	ug/L	0.24	1.0	
78-93-3	2-Butanone (MEK)	5.0	ug/L	0.63	5.0	U

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206463-BLK1 File ID: BLK0521.D

Prepared: 05/21/12 07:00 Analyzed: 05/21/12 09:39

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206463 Sequence: 2E22019 Calibration: 2E22009 Instrument: 224

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	0.40	5.0	U
100-42-5	Styrene	1.0	ug/L	0.20	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	0.26	1.0	U
127-18-4	Tetrachloroethene	1.0	ug/L	0.23	1.0	U
108-88-3	Toluene	1.0	ug/L	0.18	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	ug/L	0.13	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	ug/L	0.14	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	ug/L	0.20	1.0	U
79-01-6	Trichloroethene	1.0	ug/L	0.21	1.0	U
75-69-4	Trichlorofluoromethane	1.0	ug/L	0.27	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	ug/L	0.24	1.0	U
75-01-4	Vinyl Chloride	1.0	ug/L	0.21	1.0	U
1330-20-7	Xylene (Total)	3.0	ug/L	0.39	3.0	U

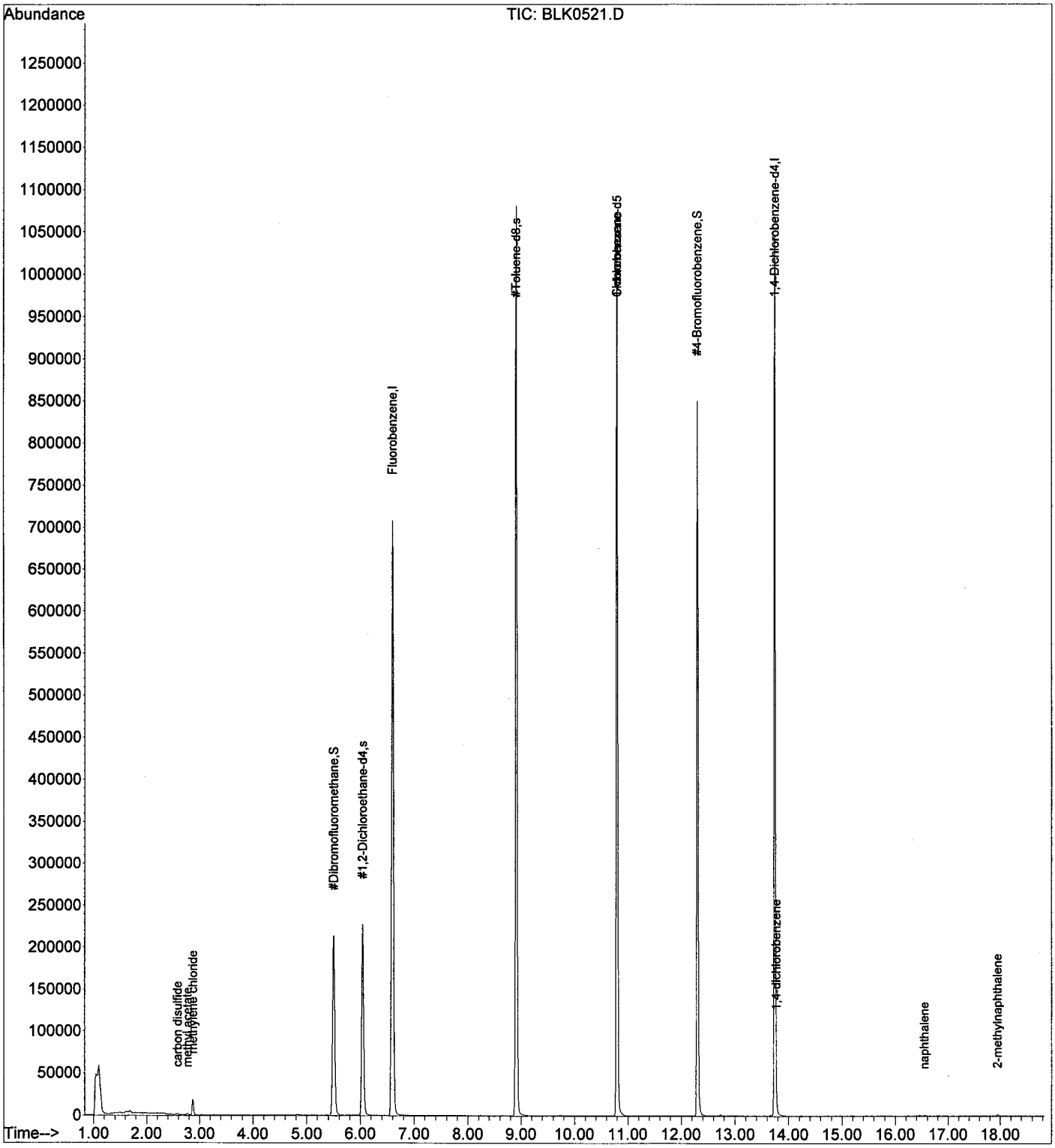
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	39.8	100	85 - 118	
1,2-Dichloroethane-d4	40.0	39.0	98	87 - 122	
Toluene-d8	40.0	39.5	99	85 - 113	
4-Bromofluorobenzene	40.0	39.2	98	82 - 110	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	827318	6.6	825179	6.6	
Chlorobenzene-d5	621546	10.8	622853	10.79	
1,4-Dichlorobenzene-d4	325751	13.75	337935	13.74	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : BLK0521.D
InstName : 224
Acq On : 21 May 2012 9:39 am
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 21 09:58:38 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : BLK0521.D
InstName : 224
Acq On : 21 May 2012 9:39 am
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 21 09:58:38 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	827318	40.00	ug/L	0.00 100.26%
51) Chlorobenzene-d5	10.80	117	621546	40.00	ug/L	0.00 99.79%
66) 1,4-Dichlorobenzene-d4	13.75	152	325751	40.00	ug/L	0.00 96.39%

System Monitoring Compounds						
29) #Dibromofluoromethane	5.49	111	188468	39.80	ug/L	-0.01
Spiked Amount 40.000			Recovery = 99.50%			
37) #1,2-Dichloroethane-d4	6.04	65	204489	39.01	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.52%			
47) #Toluene-d8	8.91	98	812092	39.52	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.80%			
65) #4-Bromofluorobenzene	12.30	95	287999	39.25	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.13%			

Target Compounds						Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.		
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	0.00	62	0	N.D.		
5) bromomethane	0.00	94	0	N.D.		
6) chloroethane	0.00	64	0	N.D.		
7) dichlorofluoromethane	0.00	67	0	N.D.		
8) trichlorofluoromethane	0.00	101	0	N.D.		
9) ethyl ether	0.00	74	0	N.D.		
10) acrolein	0.00	56	0	N.D.		
11) 1,1,2-trichloro-1,2,2-tr	0.00	101	0	N.D.		
12) 1,1-dichloroethene	0.00	96	0	N.D.		
13) acetone	0.00	43	0	N.D.		
14) iodomethane	0.00	142	0	N.D.		
15) carbon disulfide	2.58	76	2522	0.21	ug/L #	75
16) methyl acetate	2.77	43	2632	0.96	ug/L #	61
17) methylene chloride	2.87	49	11761	1.93	ug/L	100
18) acrylonitrile	0.00	53	0	N.D.		
19) trans-1,2-dichloroethene	0.00	96	0	N.D.		
20) methyl (tert) butyl ethe	0.00	73	0	N.D.		
21) 1,1-dichloroethane	0.00	63	0	N.D.		
22) vinyl acetate	0.00	43	0	N.D.		
23) 2,2-dichloropropane	0.00	77	0	N.D.		
24) cis-1,2-dichloroethene	0.00	96	0	N.D.		
25) 2-butanone (MEK)	0.00	43	0	N.D.		
26) bromochloromethane	0.00	49	0	N.D.		
27) tetrahydrofuran	0.00	71	0	N.D.		
28) chloroform	0.00	83	0	N.D.		
30) 1,1,1-trichloroethane	0.00	97	0	N.D.		
31) cyclohexane	0.00	56	0	N.D.		
32) carbon tetrachloride	0.00	117	0	N.D.		
33) 1,1-dichloropropene	0.00	75	0	N.D.		
34) benzene	0.00	78	0	N.D.		
35) 1,2-dichloroethane	0.00	62	0	N.D.		
36) heptane	6.60	57	26706	No Calib	#	

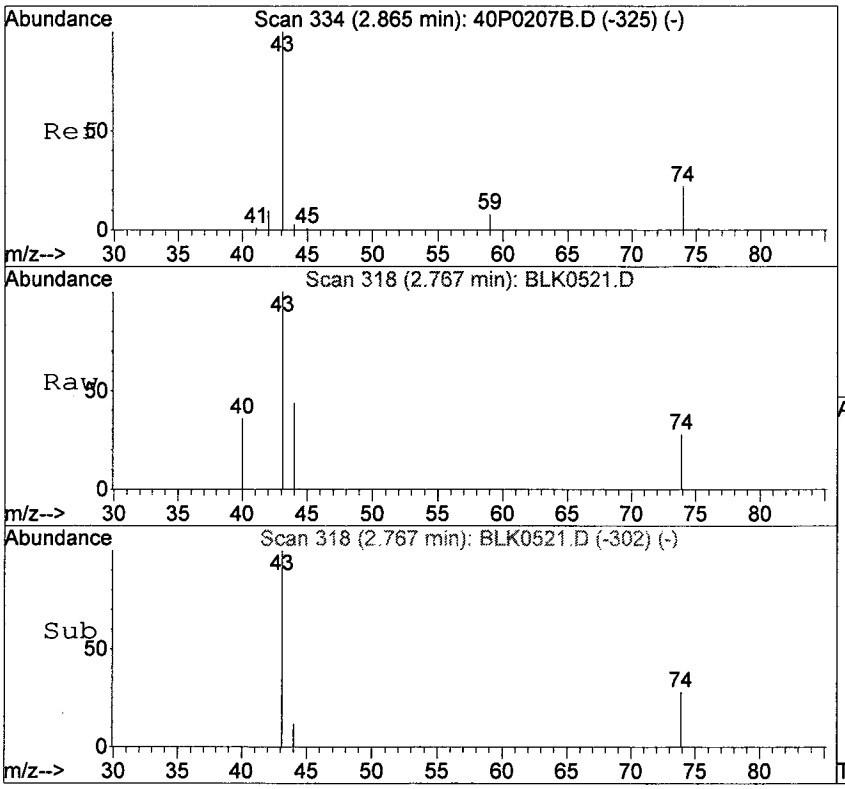
Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : BLK0521.D
InstName : 224
Acq On : 21 May 2012 9:39 am
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 21 09:58:38 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	0.00	130	0	N.D.	
39) methylcyclohexane	0.00	83	0	N.D.	
40) 1,2-dichloropropane	0.00	63	0	N.D.	
41) dibromomethane	0.00	93	0	N.D.	
42) 1,4-dioxane	0.00	88	0	N.D.	
43) bromodichloromethane	0.00	83	0	N.D.	
44) 2-chloroethyl vinyl ethe	0.00	63	0	N.D.	
45) cis-1,3-dichloropropene	0.00	75	0	N.D.	
46) 4-methyl-2-pentanone (MI	0.00	43	0	N.D.	
48) toluene	0.00	91	0	N.D.	
49) trans-1,3-dichloropropen	0.00	75	0	N.D.	
50) 1,1,2-trichloroethane	0.00	83	0	N.D.	
52) tetrachloroethene	0.00	166	0	N.D.	
53) 1,3-dichloropropane	0.00	76	0	N.D.	
54) 2-hexanone (MBK)	0.00	43	0	N.D.	
55) dibromochloromethane	0.00	129	0	N.D.	
56) 1,2-dibromoethane	0.00	109	0	N.D.	
57) chlorobenzene	0.00	112	0	N.D.	
58) 1-chlorohexane	10.79	55	5281	1.25 ug/L #	1
59) 1,1,1,2-tetrachloroethan	0.00	131	0	N.D.	
60) ethylbenzene	0.00	91	0	N.D.	
61) m+p-xylene	0.00	106	0	N.D.	
62) o-xylene	0.00	106	0	N.D.	
63) styrene	0.00	104	0	N.D.	
64) bromoform	0.00	173	0	N.D.	
67) isopropylbenzene	0.00	105	0	N.D.	
68) bromobenzene	0.00	77	0	N.D.	
69) 1,1,2,2-tetrachloroethan	0.00	83	0	N.D.	
70) 1,2,3-trichloropropane	0.00	110	0	N.D.	
71) 1,4-dichloro-2-butene	0.00	53	0	N.D.	
72) n-propylbenzene	0.00	120	0	N.D.	
73) 2-chlorotoluene	0.00	126	0	N.D.	
74) 1,3,5-trimethylbenzene	0.00	105	0	N.D.	
75) 4-chlorotoluene	0.00	126	0	N.D.	
76) tert-butylbenzene	0.00	119	0	N.D.	
77) 1,2,4-trimethylbenzene	0.00	105	0	N.D.	
78) sec-butylbenzene	0.00	105	0	N.D.	
79) 1,3-dichlorobenzene	0.00	146	0	N.D.	
80) 4-isopropyltoluene	0.00	119	0	N.D.	
81) 1,4-dichlorobenzene	13.78	146	1202	0.13 ug/L #	47
82) 1,2-dichlorobenzene	0.00	146	0	N.D.	
83) n-butylbenzene	0.00	91	0	N.D.	
84) hexachloroethane	0.00	201	0	N.D.	
85) 1,2-dibromo-3-chloroprop	0.00	157	0	N.D.	
86) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
87) hexachlorobutadiene	0.00	225	0	N.D.	
88) naphthalene	16.54	128	1622	2.92 ug/L #	79
89) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	
90) 2-methylnaphthalene	17.95	142	1797	5.29 ug/L #	80

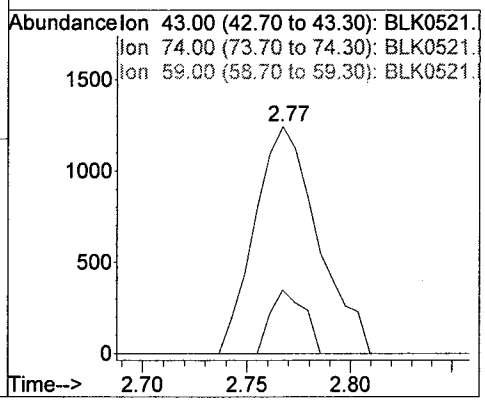
(#) = qualifier out of range (m) = manual integration (+) = signals summed

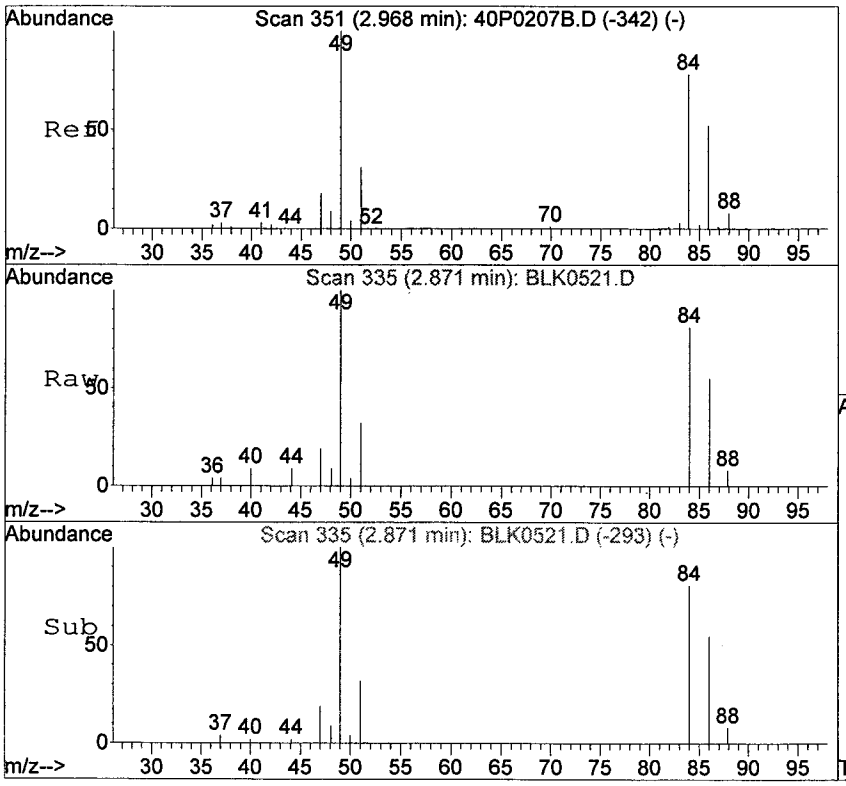


#16
methyl acetate
Concen: 0.96 ug/L
RT: 2.77 min Scan# 318
Delta R.T. 0.00 min
Lab File: BLK0521.D
Acq: 21 May 2012 9:39 am

Tgt Ion: 43 Resp: 2632

Ion	Ratio	Lower	Upper
43	100		
74	0.0	1.4	41.4#
59	0.0	0.0	27.5

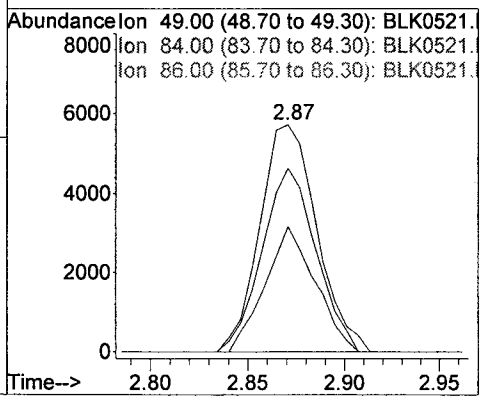




#17
methylene chloride
Concen: 1.93 ug/L
RT: 2.87 min Scan# 335
Delta R.T. 0.01 min
Lab File: BLK0521.D
Acq: 21 May 2012 9:39 am

Tgt Ion: 49 Resp: 11761

Ion	Ratio	Lower	Upper
49	100		
84	76.7	57.0	97.0
86	48.6	29.0	69.0



METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206965-BLK1 File ID: BLK0531AA.D

Prepared: 05/31/12 07:00 Analyzed: 05/31/12 09:54

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206965 Sequence: 2F04013 Calibration: 2E25004 Instrument: 328

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
67-64-1	Acetone	5.0	ug/L	1.1	5.0	U
71-43-2	Benzene	1.0	ug/L	0.11	1.0	U
75-27-4	Bromodichloromethane	1.0	ug/L	0.13	1.0	U
75-25-2	Bromoform	1.0	ug/L	0.26	1.0	U
74-83-9	Bromomethane	1.0	ug/L	0.21	1.0	U
75-15-0	Carbon Disulfide	5.0	ug/L	0.23	5.0	U
56-23-5	Carbon Tetrachloride	1.0	ug/L	0.26	1.0	U
108-90-7	Chlorobenzene	1.0	ug/L	0.17	1.0	U
75-00-3	Chloroethane	1.0	ug/L	0.14	1.0	U
67-66-3	Chloroform	1.0	ug/L	0.098	1.0	U
74-87-3	Chloromethane	1.0	ug/L	0.29	1.0	U
110-82-7	Cyclohexane	5.0	ug/L	0.18	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/L	0.13	1.0	U
124-48-1	Dibromochloromethane	1.0	ug/L	0.15	1.0	U
106-93-4	1,2-Dibromoethane	1.0	ug/L	0.15	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	ug/L	0.24	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	ug/L	0.24	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	ug/L	0.25	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	ug/L	0.21	1.0	U
75-34-3	1,1-Dichloroethane	1.0	ug/L	0.18	1.0	U
107-06-2	1,2-Dichloroethane	1.0	ug/L	0.21	1.0	U
75-35-4	1,1-Dichloroethene	1.0	ug/L	0.21	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	0.12	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	0.20	1.0	U
78-87-5	1,2-Dichloropropane	1.0	ug/L	0.28	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	0.19	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	0.19	1.0	U
100-41-4	Ethylbenzene	1.0	ug/L	0.21	1.0	U
591-78-6	2-Hexanone	5.0	ug/L	0.49	5.0	U
98-82-8	Isopropylbenzene	1.0	ug/L	0.22	1.0	U
79-20-9	Methyl Acetate	5.0	ug/L	0.42	5.0	U
1634-04-4	Methyl tert-Butyl Ether	1.0	ug/L	0.19	1.0	U
108-87-2	Methylcyclohexane	5.0	ug/L	0.37	5.0	U
75-09-2	Methylene Chloride	1.0	ug/L	0.24	1.0	U
78-93-3	2-Butanone (MEK)	5.0	ug/L	0.63	5.0	U

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206965-BLK1 File ID: BLK0531AA.D

Prepared: 05/31/12 07:00 Analyzed: 05/31/12 09:54

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206965 Sequence: 2F04013 Calibration: 2E25004 Instrument: 328

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	0.40	5.0	U
100-42-5	Styrene	1.0	ug/L	0.20	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	0.26	1.0	U
127-18-4	Tetrachloroethene	1.0	ug/L	0.23	1.0	U
108-88-3	Toluene	1.0	ug/L	0.18	1.0	U
120-82-1	1,2,4-Trichlorobenzene	2.1	ug/L	0.13	1.0	
71-55-6	1,1,1-Trichloroethane	1.0	ug/L	0.14	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	ug/L	0.20	1.0	U
79-01-6	Trichloroethene	1.0	ug/L	0.21	1.0	U
75-69-4	Trichlorofluoromethane	1.0	ug/L	0.27	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	ug/L	0.24	1.0	U
75-01-4	Vinyl Chloride	1.0	ug/L	0.21	1.0	U
1330-20-7	Xylene (Total)	3.0	ug/L	0.39	3.0	U

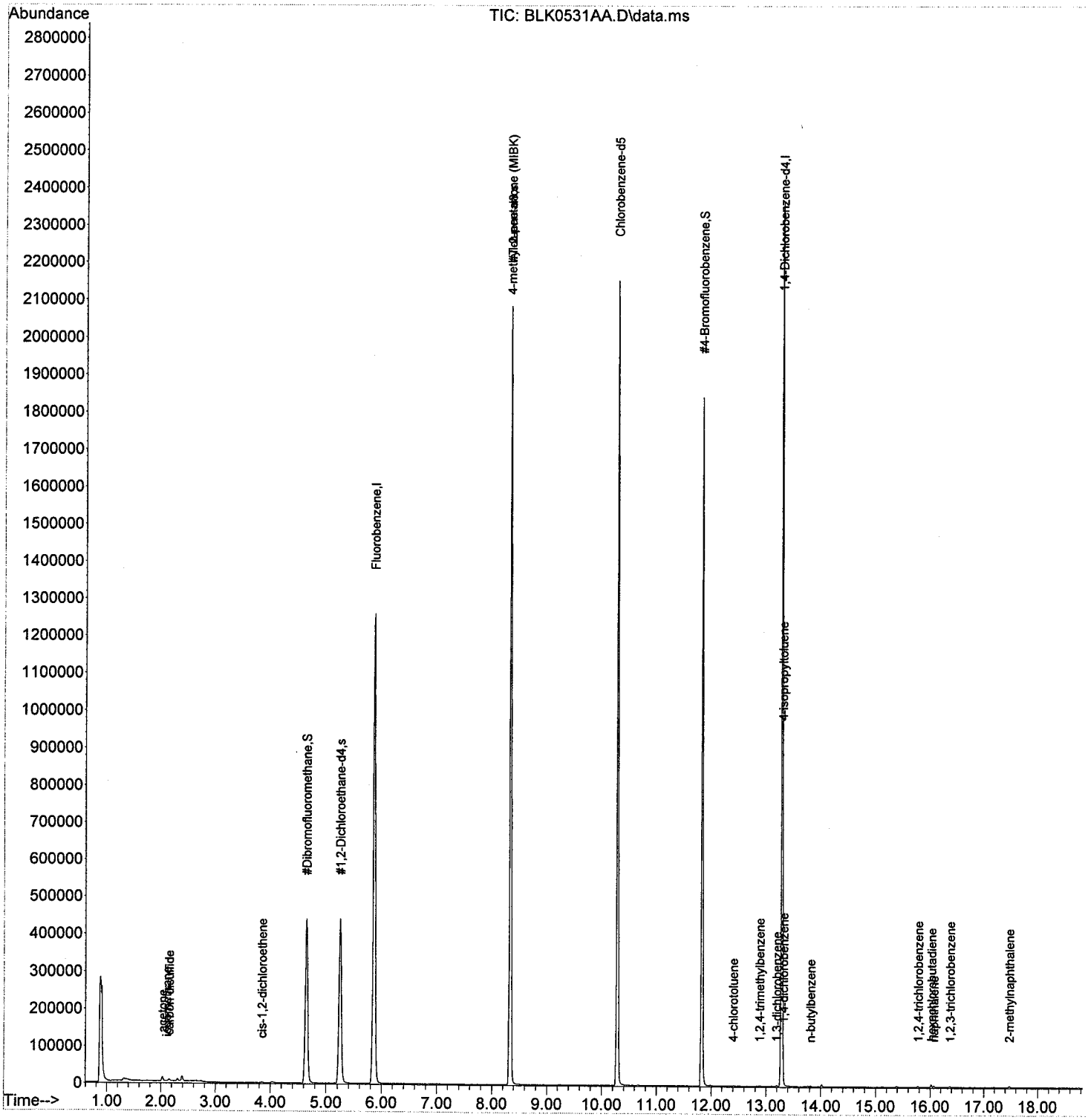
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	37.6	94	85 - 118	
1,2-Dichloroethane-d4	40.0	36.9	92	87 - 122	
Toluene-d8	40.0	38.6	96	85 - 113	
4-Bromofluorobenzene	40.0	38.7	97	82 - 110	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	1615907	5.86	1251709	5.872	
Chlorobenzene-d5	1266757	10.28	977526	10.292	
1,4-Dichlorobenzene-d4	687850	13.285	588837	13.292	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : BLK0531AA.D
Acq On : 31 May 2012 9:54
Operator : LEW
Sample : BLKA
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 31 10:48:25 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration



00724

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : BLK0531AA.D
Acq On : 31 May 2012 9:54
Operator : LEW
Sample : BLKA
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 31 10:48:25 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.860	96	1615907	40.00 ug/L	-0.01
51) Chlorobenzene-d5	10.280	117	1266757	40.00 ug/L	-0.01
66) 1,4-Dichlorobenzene-d4	13.285	152	687850	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	4.641	111	413820	37.56 ug/L	-0.02
Spiked Amount 40.000			Recovery	= 93.90%	
37) #1,2-Dichloroethane-d4	5.244	67	245759	36.88 ug/L	-0.02
Spiked Amount 40.000			Recovery	= 92.20%	
47) #Toluene-d8	8.335	98	1551251	38.56 ug/L	-0.01
Spiked Amount 40.000			Recovery	= 96.40%	
65) #4-Bromofluorobenzene	11.828	95	618891	38.72 ug/L	0.00
Spiked Amount 40.000			Recovery	= 96.80%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.	
3) chloromethane	0.000		0	N.D.	
4) vinyl chloride	0.000		0	N.D.	
5) bromomethane	0.000		0	N.D.	
6) chloroethane	0.000		0	N.D.	
7) dichlorofluoromethane	0.000		0	N.D.	
8) trichlorofluoromethane	0.000		0	N.D.	
9) ethyl ether	0.000		0	N.D.	
10) acrolein	0.000		0	N.D.	
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.	
12) 1,1-dichloroethene	0.000		0	N.D.	
13) acetone	2.025	43	15103	0.98 ug/L #	87
14) iodomethane	2.105	142	1286	3.18 ug/L #	36
15) carbon disulfide	2.147	76	4581	0.14 ug/L #	75
16) methyl acetate	2.306	43	6509	Below Cal #	88
17) methylene chloride	2.391	49	7815	Below Cal	99
18) acrylonitrile	0.000		0	N.D.	
19) trans-1,2-dichloroethene	0.000		0	N.D.	
20) methyl (tert) butyl ether	0.000		0	N.D.	
21) 1,1-dichloroethane	0.000		0	N.D.	
22) vinyl acetate	0.000		0	N.D.	
23) 2,2-dichloropropane	0.000		0	N.D.	
24) cis-1,2-dichloroethene	3.842	96	1328	0.10 ug/L #	68
25) 2-butanone (MEK)	0.000		0	N.D.	
26) bromochloromethane	0.000		0	N.D.	
27) tetrahydrofuran	0.000		0	N.D.	
28) chloroform	0.000		0	N.D.	
30) 1,1,1-trichloroethane	0.000		0	N.D.	
31) cyclohexane	0.000		0	N.D.	
32) carbon tetrachloride	0.000		0	N.D.	
33) 1,1-dichloropropene	0.000		0	N.D.	
34) benzene	0.000		0	N.D.	
35) 1,2-dichloroethane	0.000		0	N.D.	
36) heptane	5.860	57	52008	No Calib	
38) trichloroethene	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : BLK0531AA.D
Acq On : 31 May 2012 9:54
Operator : LEW
Sample : BLKA
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 31 10:48:25 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

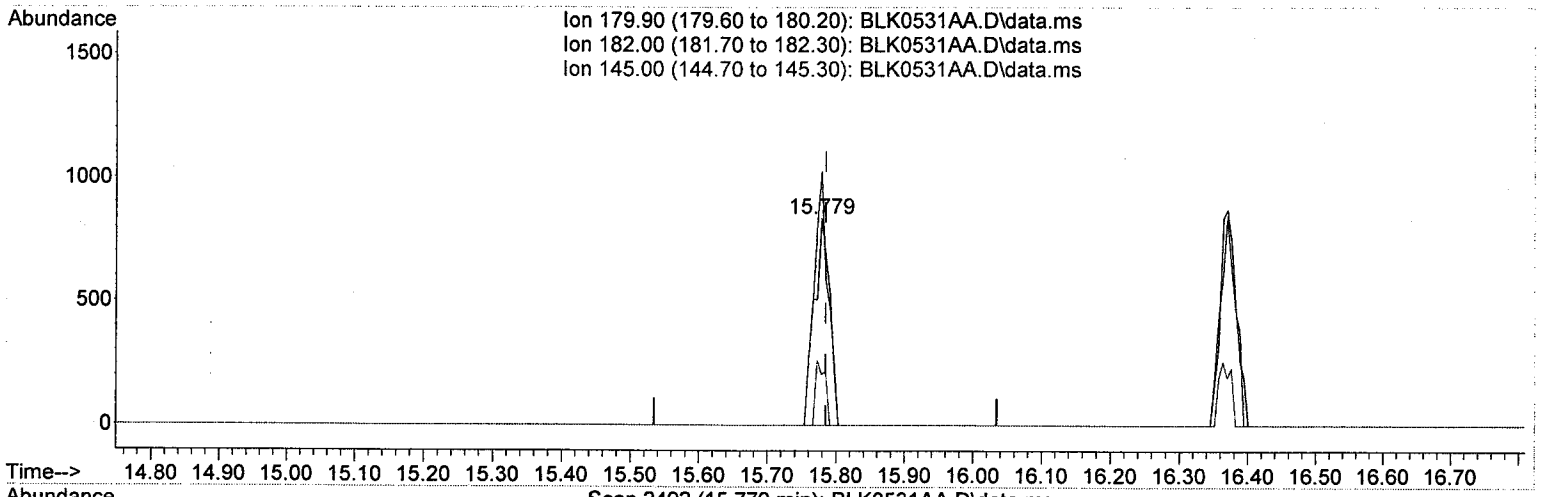
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) 1,4-dioxane	0.000		0	N.D.	
43) bromodichloromethane	0.000		0	N.D.	
44) 2-chloroethyl vinyl ether	0.000		0	N.D.	
45) cis-1,3-dichloropropene	0.000		0	N.D.	
46) 4-methyl-2-pentanone (...	8.329	43	5384	4.08 ug/L #	1
48) toluene	0.000		0	N.D.	
49) trans-1,3-dichloropropene	0.000		0	N.D.	
50) 1,1,2-trichloroethane	0.000		0	N.D.	
52) tetrachloroethene	0.000		0	N.D.	
53) 1,3-dichloropropane	0.000		0	N.D.	
54) 2-hexanone (MBK)	0.000		0	N.D.	
55) dibromochloromethane	0.000		0	N.D.	
56) 1,2-dibromoethane	0.000		0	N.D.	
57) chlorobenzene	0.000		0	N.D.	
58) 1-chlorohexane	0.000		0	N.D.	
59) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
60) ethylbenzene	0.000		0	N.D.	
61) m+p-xylene	0.000		0	N.D.	
62) o-xylene	0.000		0	N.D.	
63) styrene	0.000		0	N.D.	
64) bromoform	0.000		0	N.D.	
67) isopropylbenzene	0.000		0	N.D.	
68) bromobenzene	0.000		0	N.D.	
69) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
70) 1,2,3-trichloropropane	0.000		0	N.D.	
71) 1,4-dichloro-2-butene	0.000		0	N.D.	
72) n-propylbenzene	0.000		0	N.D.	
73) 2-chlorotoluene	0.000		0	N.D.	
74) 1,3,5-trimethylbenzene	0.000		0	N.D.	
75) 4-chlorotoluene	12.401	91	1251	0.03 ug/L #	45
76) tert-butylbenzene	0.000		0	N.D.	
77) 1,2,4-trimethylbenzene	12.877	105	1200	0.35 ug/L #	32
78) sec-butylbenzene	0.000		0	N.D.	
79) 1,3-dichlorobenzene	13.194	146	1380	0.05 ug/L #	25
80) 4-isopropyltoluene	13.298	119	1844	0.05 ug/L #	1
81) 1,4-dichlorobenzene	13.316	146	2317	0.09 ug/L #	29
82) 1,2-dichlorobenzene	0.000		0	N.D.	
83) n-butylbenzene	13.810	91	1518	1.09 ug/L #	32
84) hexachloroethane	0.000		0	N.D.	
85) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
86) 1,2,4-trichlorobenzene	15.779	180	1303	2.13 ug/L #	77
87) hexachlorobutadiene	16.023	225	1905	0.34 ug/L #	19
88) naphthalene	16.065	128	5026	4.05 ug/L #	77
89) 1,2,3-trichlorobenzene	16.370	180	1415	0.14 ug/L #	82
90) 2-methylnaphthalene	17.474	142	2570	6.53 ug/L #	78

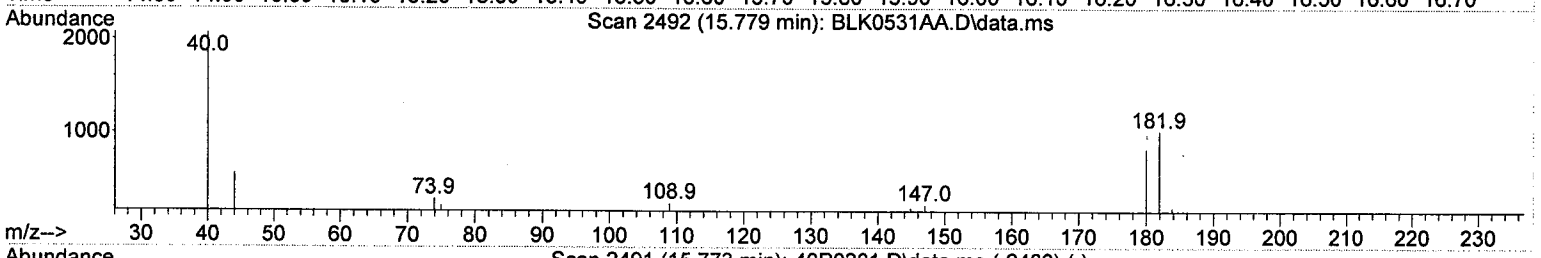
(#) = qualifier out of range (m) = manual integration (+) = signals summed

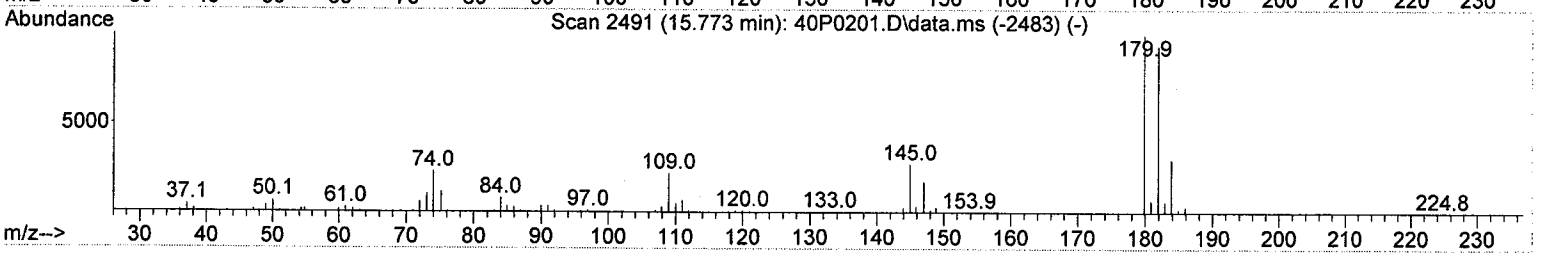
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : BLK0531AA.D
Acq On : 31 May 2012 9:54
Operator : LEW
Sample : BLKA
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 31 10:49:28 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration







TIC: BLK0531AA.D\data.ms

(86) 1,2,4-trichlorobenzene

15.779min (-0.006) 2.13 ug/L

response 1303

Ion	Exp%	Act%
179.90	100	100
182.00	96.00	109.59
145.00	29.00	0.00#
0.00	0.00	0.00

LCS / LCS DUPLICATE RECOVERY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206463-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1206463
Sequence: 2E22019

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	41.5	104	84 - 119	ug/L
Chlorobenzene	40.0	41.0	103	84 - 118	ug/L
1,1-Dichloroethene	40.0	41.9	105	77 - 123	ug/L
Toluene	40.0	41.4	103	85 - 118	ug/L
Trichloroethene	40.0	41.5	104	82 - 119	ug/L

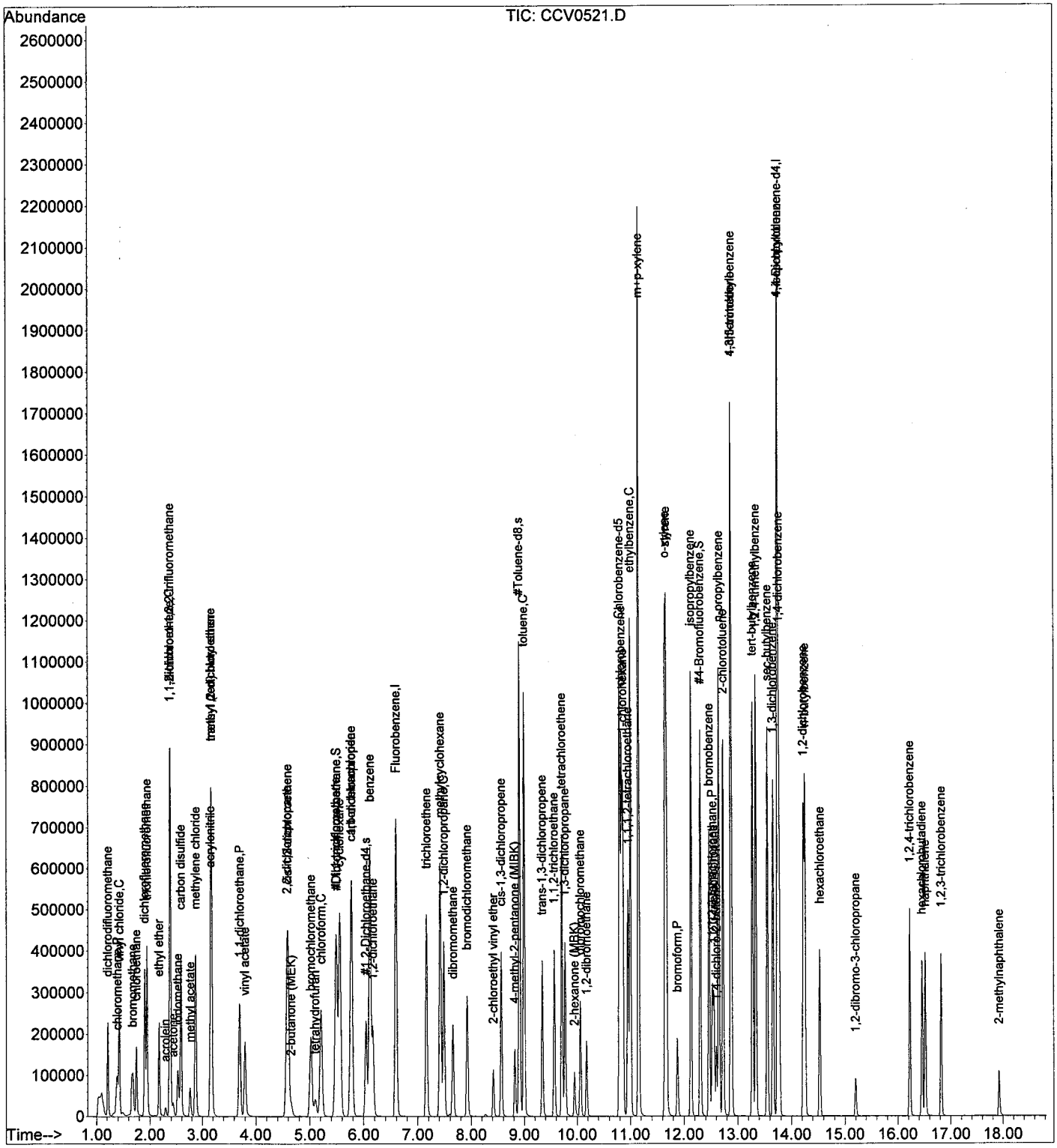
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : CCV0521.D
InstName : 224
Acq On : 21 May 2012 8:16 am
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:05:40 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration



00729

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : CCV0521.D
InstName : 224
Acq On : 21 May 2012 8:16 am
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:05:40 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	839610	40.00	ug/L	0.00 101.75%
51) Chlorobenzene-d5	10.80	117	636359	40.00	ug/L	0.00 102.17%
66) 1,4-Dichlorobenzene-d4	13.75	152	343986	40.00	ug/L	0.00 101.79%

System Monitoring Compounds						
29) #Dibromofluoromethane	5.50	111	194311	40.44	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.10%			
37) #1,2-Dichloroethane-d4	6.04	65	205540	38.64	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.60%			
47) #Toluene-d8	8.91	98	834679	40.02	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.05%			
65) #4-Bromofluorobenzene	12.30	95	302699	40.30	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.75%			

Target Compounds						Qvalue
2) dichlorodifluoromethane	1.21	85	176490	38.11	ug/L	100
3) chloromethane	1.38	50	190344	42.46	ug/L	100
4) vinyl chloride	1.43	62	210839	44.37	ug/L	99
5) bromomethane	1.68	94	110847	47.44	ug/L	99
6) chloroethane	1.74	64	128593	41.04	ug/L	100
7) dichlorofluoromethane	1.90	67	303847	42.55	ug/L	99
8) trichlorofluoromethane	1.94	101	272984	43.46	ug/L	100
9) ethyl ether	2.18	74	80946	38.25	ug/L	98
10) acrolein	2.30	56	18679	41.99	ug/L #	100
11) 1,1,2-trichloro-1,2,2-trif	2.38	101	165826	42.70	ug/L	100
12) 1,1-dichloroethene	2.38	96	171894	41.86	ug/L	98
13) acetone	2.44	43	38756	32.54	ug/L	97
14) iodomethane	2.53	142	167824	31.77	ug/L	100
15) carbon disulfide	2.58	76	524074	42.20	ug/L	99
16) methyl acetate	2.77	43	100142	36.04	ug/L	99
17) methylene chloride	2.87	49	249095	40.38	ug/L	100
18) acrylonitrile	3.15	53	53889	36.17	ug/L	99
19) trans-1,2-dichloroethene	3.16	96	183631	42.21	ug/L	99
20) methyl (tert) butyl ether	3.17	73	391973	41.58	ug/L	99
21) 1,1-dichloroethane	3.70	63	322951	41.70	ug/L	100
22) vinyl acetate	3.80	43	334696	44.76	ug/L	100
23) 2,2-dichloropropane	4.57	77	187121	47.51	ug/L	98
24) cis-1,2-dichloroethene	4.60	96	197914	42.14	ug/L	98
25) 2-butanone (MEK)	4.66	43	47201	34.81	ug/L	99
26) bromochloromethane	5.02	49	151463	41.39	ug/L	99
27) tetrahydrofuran	5.11	71	14845	34.70	ug/L	93
28) chloroform	5.21	83	304502	41.76	ug/L	99
30) 1,1,1-trichloroethane	5.48	97	254933	44.20	ug/L	99
31) cyclohexane	5.55	56	342372	43.14	ug/L	99
32) carbon tetrachloride	5.76	117	224944	39.74	ug/L	99
33) 1,1-dichloropropene	5.78	75	261039	42.97	ug/L	99
34) benzene	6.11	78	783271	41.53	ug/L	100
35) 1,2-dichloroethane	6.17	62	218652	40.71	ug/L	100
36) heptane	6.60	57	26824	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : CCV0521.D
InstName : 224
Acq On : 21 May 2012 8:16 am
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:05:40 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	208503	41.51 ug/L		99
39) methylcyclohexane	7.42	83	308031	43.17 ug/L		100
40) 1,2-dichloropropane	7.49	63	184625	42.19 ug/L		100
41) dibromomethane	7.66	93	91476	40.97 ug/L		98
42) 1,4-dioxane	0.00	88	0	N.D.		
43) bromodichloromethane	7.92	83	221670	42.84 ug/L		99
44) 2-chloroethyl vinyl ether	8.41	63	52326	39.19 ug/L		99
45) cis-1,3-dichloropropene	8.56	75	243191	39.96 ug/L		99
46) 4-methyl-2-pentanone (MIBK	8.82	43	123449	38.52 ug/L		99
48) toluene	9.00	91	831621	41.39 ug/L		99
49) trans-1,3-dichloropropene	9.34	75	202893	39.02 ug/L		99
50) 1,1,2-trichloroethane	9.56	83	115366	40.91 ug/L		99
52) tetrachloroethene	9.71	166	239735	41.63 ug/L		99
53) 1,3-dichloropropane	9.77	76	254046	40.78 ug/L		99
54) 2-hexanone (MBK)	9.95	43	82851	35.20 ug/L		98
55) dibromochloromethane	10.06	129	156963	38.44 ug/L		99
56) 1,2-dibromoethane	10.17	109	127364	41.26 ug/L		100
57) chlorobenzene	10.83	112	526515	41.03 ug/L		100
58) 1-chlorohexane	10.86	55	181694	42.10 ug/L		95
59) 1,1,1,2-tetrachloroethane	10.95	131	168398	44.07 ug/L		100
60) ethylbenzene	11.00	91	901694	41.65 ug/L		100
61) m+p-xylene	11.16	106	716522	84.16 ug/L		99
62) o-xylene	11.65	106	339951	43.01 ug/L		99
63) styrene	11.67	104	590275	42.93 ug/L		99
64) bromoform	11.88	173	98808	37.52 ug/L		99
67) isopropylbenzene	12.13	105	759487	42.42 ug/L		99
68) bromobenzene	12.47	77	319166	40.86 ug/L		99
69) 1,1,2,2-tetrachloroethane	12.53	83	166390	39.36 ug/L	#	100
70) 1,2,3-trichloropropane	12.56	110	51097	38.79 ug/L		97
71) 1,4-dichloro-2-butene	12.60	53	42256	41.66 ug/L	#	70
72) n-propylbenzene	12.65	120	221037	42.79 ug/L		100
73) 2-chlorotoluene	12.73	126	195903	42.22 ug/L		98
74) 1,3,5-trimethylbenzene	12.88	105	623145	42.61 ug/L		100
75) 4-chlorotoluene	12.87	126	202620	42.29 ug/L		98
76) tert-butylbenzene	13.28	119	524891	42.87 ug/L		99
77) 1,2,4-trimethylbenzene	13.34	105	635243	42.88 ug/L		100
78) sec-butylbenzene	13.55	105	702180	42.97 ug/L		100
79) 1,3-dichlorobenzene	13.66	146	385384	41.90 ug/L		99
80) 4-isopropyltoluene	13.75	119	610039	42.76 ug/L		100
81) 1,4-dichlorobenzene	13.77	146	393881	41.02 ug/L		100
82) 1,2-dichlorobenzene	14.22	146	362278	41.48 ug/L		99
83) n-butylbenzene	14.25	91	469625	39.76 ug/L		99
84) hexachloroethane	14.53	201	72749	38.88 ug/L		94
85) 1,2-dibromo-3-chloropropan	15.20	157	31514	33.54 ug/L		97
86) 1,2,4-trichlorobenzene	16.22	180	191980	41.96 ug/L		100
87) hexachlorobutadiene	16.46	225	91674	43.88 ug/L		100
88) naphthalene	16.51	128	348921	32.46 ug/L		99
89) 1,2,3-trichlorobenzene	16.82	180	146298	38.67 ug/L		99
90) 2-methylnaphthalene	17.92	142	67293	25.49 ug/L		99

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

LCS / LCS DUPLICATE RECOVERY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206463-BSD1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1206463
Sequence: 2E22019

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Benzene	40.0	42.4	106	2	20	84 - 119	ug/L
Chlorobenzene	40.0	41.6	104	1	20	84 - 118	ug/L
1,1-Dichloroethene	40.0	43.3	108	3	20	77 - 123	ug/L
Toluene	40.0	42.4	106	2	20	85 - 118	ug/L
Trichloroethene	40.0	42.2	105	2	20	82 - 119	ug/L

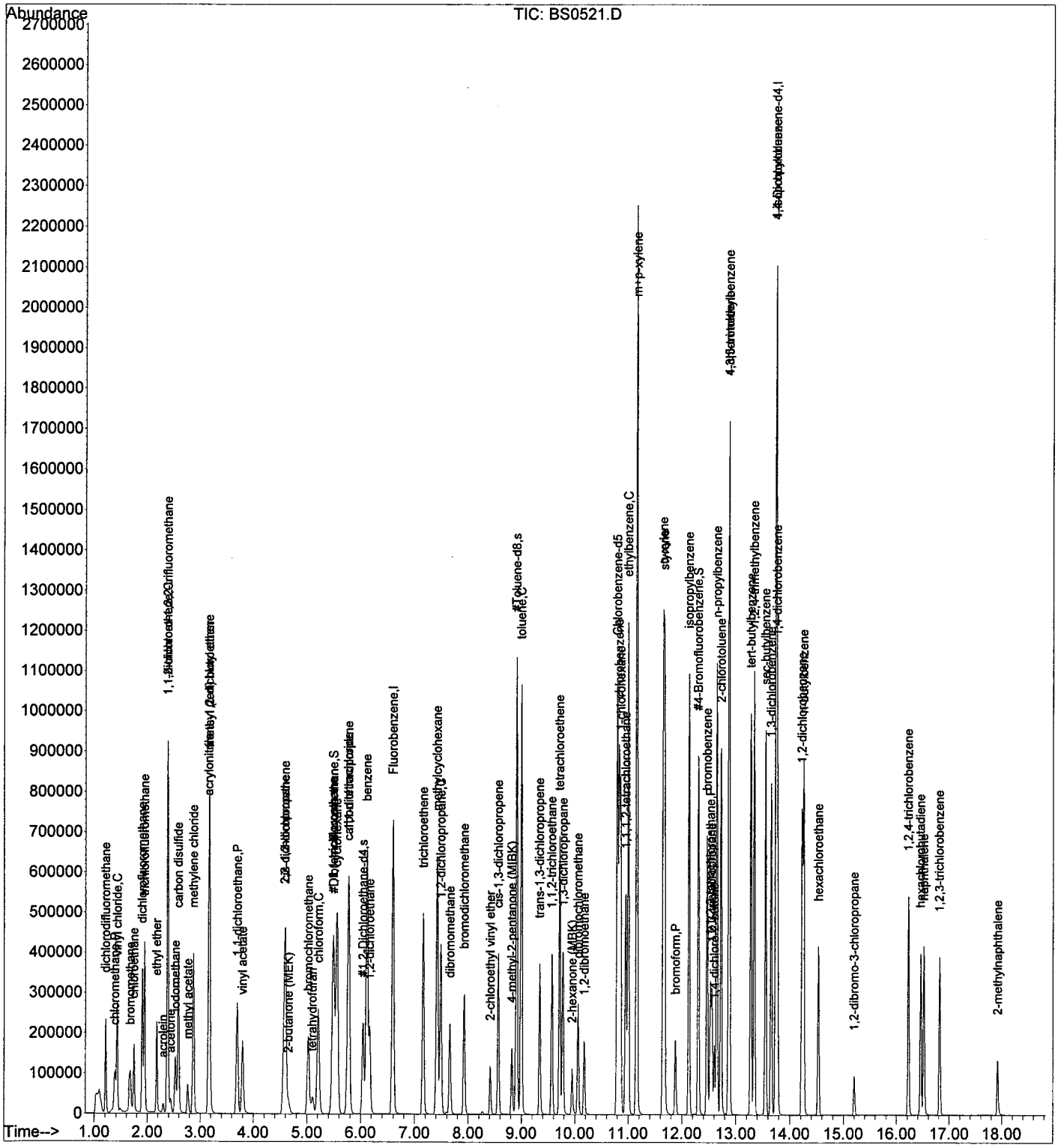
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : BS0521.D
InstName : 224
Acq On : 21 May 2012 8:44 am
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 21 09:06:12 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration



00733

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : BS0521.D
InstName : 224
Acq On : 21 May 2012 8:44 am
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 21 09:06:12 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.60	96	834244	40.00	ug/L	0.00 101.10%
51) Chlorobenzene-d5	10.80	117	635252	40.00	ug/L	0.00 101.99%
66) 1,4-Dichlorobenzene-d4	13.74	152	343979	40.00	ug/L	0.00 101.79%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.50	111	192860	40.39	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.97%			
37) #1,2-Dichloroethane-d4	6.04	65	204321	38.65	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.63%			
47) #Toluene-d8	8.91	98	838779	40.48	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.20%			
65) #4-Bromofluorobenzene	12.30	95	300147	40.03	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.08%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.21	85	181006	39.34	ug/L	100
3) chloromethane	1.38	50	189843	42.62	ug/L	100
4) vinyl chloride	1.43	62	215249	45.58	ug/L	98
5) bromomethane	1.67	94	106712	45.97	ug/L	99
6) chloroethane	1.74	64	132029	42.40	ug/L	100
7) dichlorofluoromethane	1.90	67	304020	42.84	ug/L	99
8) trichlorofluoromethane	1.94	101	278842	44.67	ug/L	100
9) ethyl ether	2.18	74	81348	38.69	ug/L	99
10) acrolein	2.30	56	20694	46.82	ug/L #	98
11) 1,1,2-trichloro-1,2,2-trif	2.38	101	169061	43.81	ug/L	99
12) 1,1-dichloroethene	2.38	96	176617	43.28	ug/L	99
13) acetone	2.44	43	41783	35.30	ug/L	98
14) iodomethane	2.53	142	211996	39.01	ug/L	99
15) carbon disulfide	2.58	76	532190	43.13	ug/L	100
16) methyl acetate	2.77	43	100313	36.33	ug/L	100
17) methylene chloride	2.87	49	248641	40.56	ug/L	100
18) acrylonitrile	3.15	53	54713	36.92	ug/L	98
19) trans-1,2-dichloroethene	3.16	96	187342	43.34	ug/L	100
20) methyl (tert) butyl ether	3.17	73	389354	41.57	ug/L	99
21) 1,1-dichloroethane	3.70	63	328174	42.65	ug/L	100
22) vinyl acetate	3.80	43	337149	45.32	ug/L	100
23) 2,2-dichloropropane	4.58	77	185633	47.44	ug/L	99
24) cis-1,2-dichloroethene	4.60	96	200839	43.04	ug/L	100
25) 2-butanone (MEK)	4.66	43	49506	36.74	ug/L	97
26) bromochloromethane	5.02	49	151461	41.66	ug/L	98
27) tetrahydrofuran	5.11	71	15081	35.38	ug/L	95
28) chloroform	5.21	83	304957	42.09	ug/L	100
30) 1,1,1-trichloroethane	5.48	97	258242	45.07	ug/L	99
31) cyclohexane	5.55	56	351183	44.53	ug/L	100
32) carbon tetrachloride	5.76	117	230438	40.91	ug/L	99
33) 1,1-dichloropropene	5.78	75	268079	44.41	ug/L	99
34) benzene	6.11	78	793704	42.35	ug/L	99
35) 1,2-dichloroethane	6.17	62	219881	41.20	ug/L	100
36) heptane	6.60	57	26509	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-21-12\
Data File : BS0521.D
InstName : 224
Acq On : 21 May 2012 8:44 am
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 21 09:06:12 2012
Quant Method : C:\MSDCHEM\3\METHODS\8260B-B25.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon May 21 07:20:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	7.16	130	210426	42.16 ug/L	99
39) methylcyclohexane	7.42	83	316882	44.69 ug/L	100
40) 1,2-dichloropropane	7.49	63	185071	42.56 ug/L	100
41) dibromomethane	7.66	93	91120	41.07 ug/L	99
42) 1,4-dioxane	0.00	88	0	N.D.	
43) bromodichloromethane	7.92	83	219957	42.79 ug/L	100
44) 2-chloroethyl vinyl ether	8.41	63	52907	39.88 ug/L	99
45) cis-1,3-dichloropropene	8.56	75	241091	39.88 ug/L	100
46) 4-methyl-2-pentanone (MIBK	8.82	43	126391	39.69 ug/L	99
48) toluene	9.00	91	846638	42.41 ug/L	100
49) trans-1,3-dichloropropene	9.34	75	201242	38.96 ug/L	99
50) 1,1,2-trichloroethane	9.56	83	114227	40.77 ug/L	99
52) tetrachloroethene	9.71	166	243930	42.44 ug/L	99
53) 1,3-dichloropropane	9.78	76	256367	41.23 ug/L	99
54) 2-hexanone (MBK)	9.95	43	85751	36.33 ug/L	98
55) dibromochloromethane	10.06	129	155650	38.20 ug/L	99
56) 1,2-dibromoethane	10.17	109	127554	41.39 ug/L	100
57) chlorobenzene	10.83	112	532213	41.55 ug/L	99
58) 1-chlorohexane	10.86	55	185740	43.11 ug/L	95
59) 1,1,1,2-tetrachloroethane	10.95	131	168278	44.11 ug/L	99
60) ethylbenzene	11.00	91	914098	42.30 ug/L	100
61) m+p-xylene	11.16	106	726024	85.43 ug/L	99
62) o-xylene	11.65	106	340774	43.19 ug/L	99
63) styrene	11.67	104	591865	43.12 ug/L	99
64) bromoform	11.88	173	97343	37.07 ug/L	99
67) isopropylbenzene	12.13	105	775130	43.29 ug/L	99
68) bromobenzene	12.47	77	319115	40.86 ug/L	99
69) 1,1,2,2-tetrachloroethane	12.53	83	166229	39.32 ug/L #	100
70) 1,2,3-trichloropropane	12.56	110	51558	39.14 ug/L	97
71) 1,4-dichloro-2-butene	12.60	53	41383	40.89 ug/L #	71
72) n-propylbenzene	12.65	120	223012	43.17 ug/L	99
73) 2-chlorotoluene	12.73	126	196590	42.37 ug/L	100
74) 1,3,5-trimethylbenzene	12.88	105	629329	43.03 ug/L	99
75) 4-chlorotoluene	12.87	126	203209	42.41 ug/L	99
76) tert-butylbenzene	13.28	119	530810	43.35 ug/L	99
77) 1,2,4-trimethylbenzene	13.34	105	641030	43.28 ug/L	100
78) sec-butylbenzene	13.55	105	712515	43.61 ug/L	100
79) 1,3-dichlorobenzene	13.66	146	385189	41.88 ug/L	99
80) 4-isopropyltoluene	13.75	119	622605	43.64 ug/L	100
81) 1,4-dichlorobenzene	13.77	146	394599	41.09 ug/L	99
82) 1,2-dichlorobenzene	14.22	146	364257	41.71 ug/L	99
83) n-butylbenzene	14.25	91	480336	40.64 ug/L	100
84) hexachloroethane	14.53	201	74156	39.55 ug/L	94
85) 1,2-dibromo-3-chloropropan	15.20	157	32595	34.57 ug/L	99
86) 1,2,4-trichlorobenzene	16.22	180	196661	42.98 ug/L	99
87) hexachlorobutadiene	16.46	225	94202	45.09 ug/L	99
88) naphthalene	16.51	128	370193	34.27 ug/L	100
89) 1,2,3-trichlorobenzene	16.82	180	150791	39.86 ug/L	100
90) 2-methylnaphthalene	17.92	142	83714	30.56 ug/L	99

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

LCS / LCS DUPLICATE RECOVERY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206965-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1206965
Sequence: 2F04013

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	42.2	106	84 - 119	ug/L
Chlorobenzene	40.0	39.6	99	84 - 118	ug/L
1,1-Dichloroethene	40.0	41.5	104	77 - 123	ug/L
Toluene	40.0	41.6	104	85 - 118	ug/L
Trichloroethene	40.0	41.4	103	82 - 119	ug/L

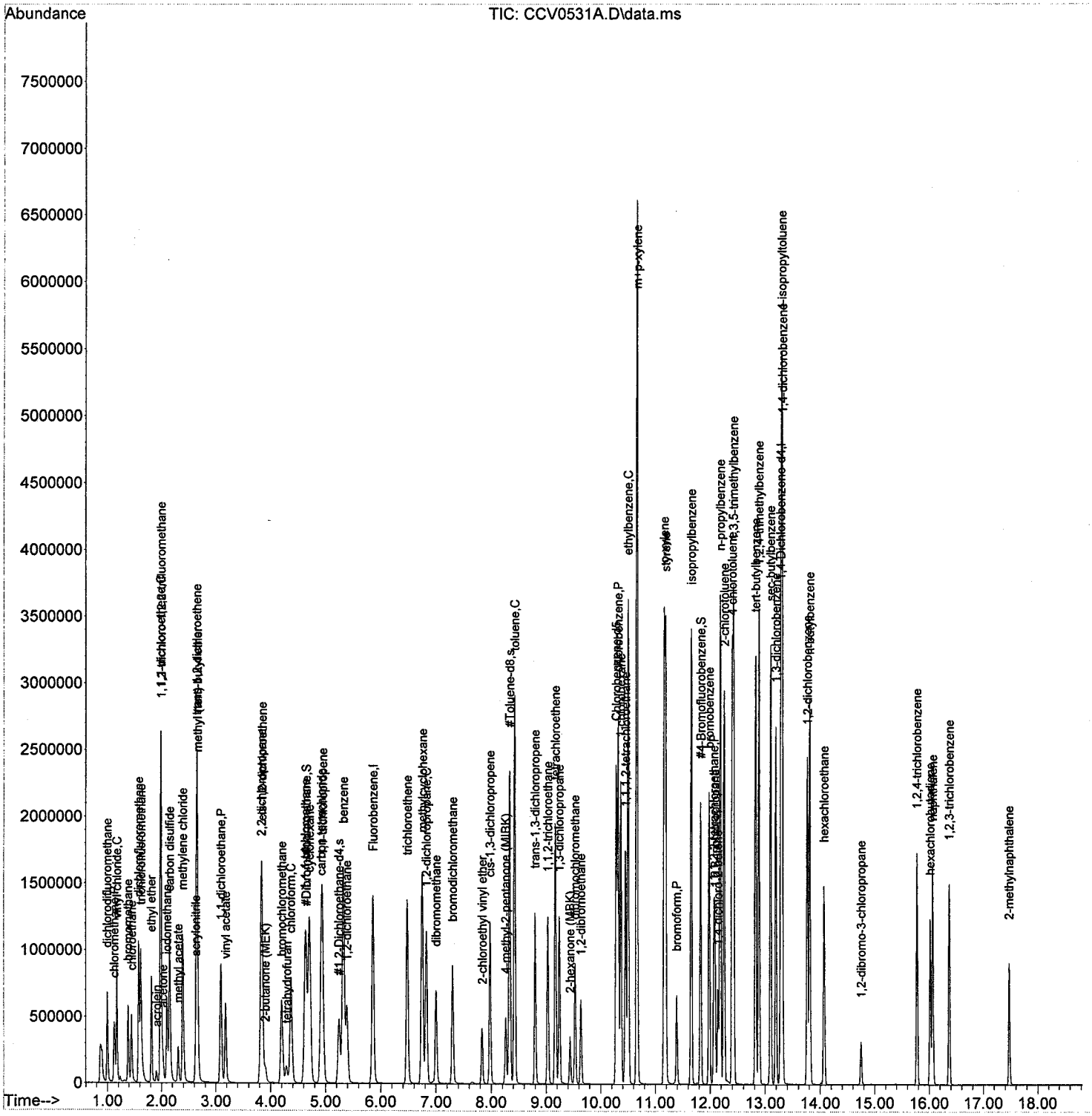
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : CCV0531A.D
Acq On : 31 May 2012 8:04
Operator : LEW
Sample : CCVA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 10:47:55 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration



00737

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : CCV0531A.D
Acq On : 31 May 2012 8:04
Operator : LEW
Sample : CCVA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 10:47:55 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.860	96	1780222	40.00 ug/L	-0.01
51) Chlorobenzene-d5	10.280	117	1413983	40.00 ug/L	-0.01
66) 1,4-Dichlorobenzene-d4	13.280	152	800337	40.00 ug/L	#-0.01
System Monitoring Compounds					
29) #Dibromofluoromethane	4.647	111	456683	37.62 ug/L	-0.02
Spiked Amount 40.000			Recovery = 94.05%		
37) #1,2-Dichloroethane-d4	5.245	67	269756	36.75 ug/L	-0.02
Spiked Amount 40.000			Recovery = 91.88%		
47) #Toluene-d8	8.335	98	1782236	40.21 ug/L	-0.01
Spiked Amount 40.000			Recovery = 100.52%		
65) #4-Bromofluorobenzene	11.829	95	709589	39.77 ug/L	0.00
Spiked Amount 40.000			Recovery = 99.43%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.995	85	546728	39.00 ug/L	100
3) chloromethane	1.123	50	591377	38.72 ug/L	99
4) vinyl chloride	1.172	62	703996	41.05 ug/L	99
5) bromomethane	1.379	94	348310	31.23 ug/L	100
6) chloroethane	1.447	64	420889	40.06 ug/L	100
7) dichlorofluoromethane	1.575	67	988919	36.85 ug/L	100
8) trichlorofluoromethane	1.617	101	889567	36.00 ug/L	100
9) ethyl ether	1.812	74	273924	33.48 ug/L	97
10) acrolein	1.910	56	65500	36.05 ug/L	98
11) 1,1,2-trichloro-1,2,2-...	1.989	101	519370	33.82 ug/L	96
12) 1,1-dichloroethene	1.983	96	547725	41.51 ug/L #	87
13) acetone	2.026	43	137722	32.40 ug/L #	85
14) iodomethane	2.099	142	792905	43.92 ug/L	87
15) carbon disulfide	2.148	76	1530746	43.73 ug/L	100
16) methyl acetate	2.306	43	317628	33.80 ug/L	98
17) methylene chloride	2.385	49	684126	39.23 ug/L	99
18) acrylonitrile	2.623	53	173785	37.23 ug/L	94
19) trans-1,2-dichloroethene	2.641	96	592899	39.44 ug/L	96
20) methyl (tert) butyl ether	2.654	73	1281795	36.85 ug/L	93
21) 1,1-dichloroethane	3.093	63	1004438	41.38 ug/L	98
22) vinyl acetate	3.178	43	973929	46.23 ug/L	99
23) 2,2-dichloropropane	3.830	77	732572	45.13 ug/L	91
24) cis-1,2-dichloroethene	3.842	96	597797	42.04 ug/L	95
25) 2-butanone (MEK)	3.903	43	178156	39.60 ug/L	98
26) bromochloromethane	4.202	49	438072	42.48 ug/L #	80
27) tetrahydrofuran	4.294	71	45635	38.71 ug/L	85
28) chloroform	4.367	83	942703	39.18 ug/L	99
30) 1,1,1-trichloroethane	4.629	97	815204	38.31 ug/L	97
31) cyclohexane	4.702	56	939757	43.47 ug/L	88
32) carbon tetrachloride	4.921	117	738567	38.36 ug/L	100
33) 1,1-dichloropropene	4.946	75	813035	45.39 ug/L	99
34) benzene	5.324	78	2203388	42.25 ug/L	91
35) 1,2-dichloroethane	5.385	62	691911	37.29 ug/L	92
36) heptane	5.860	57	57159	No Calib	
38) trichloroethene	6.476	130	617598	41.36 ug/L	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : CCV0531A.D
Acq On : 31 May 2012 8:04
Operator : LEW
Sample : CCVA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 10:47:55 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	6.750	83	850822	39.55 ug/L	97
40)	1,2-dichloropropane	6.824	63	536486	43.76 ug/L	96
41)	dibromomethane	7.000	93	302327	39.68 ug/L	93
42)	1,4-dioxane	7.006	88	1499	No Calib #	
43)	bromodichloromethane	7.299	83	678651	41.92 ug/L	99
44)	2-chloroethyl vinyl ether	7.836	63	205391	37.40 ug/L	96
45)	cis-1,3-dichloropropene	7.976	75	792749	39.24 ug/L	87
46)	4-methyl-2-pentanone (...	8.262	43	385817	40.54 ug/L	96
48)	toluene	8.427	91	2339805	41.60 ug/L	99
49)	trans-1,3-dichloropropene	8.799	75	723970	42.70 ug/L	93
50)	1,1,2-trichloroethane	9.030	83	363157	39.98 ug/L	95
52)	tetrachloroethene	9.165	166	676601	39.25 ug/L	100
53)	1,3-dichloropropane	9.238	76	798431	40.54 ug/L	99
54)	2-hexanone (MBK)	9.439	43	257170	38.04 ug/L	95
55)	dibromochloromethane	9.530	129	494829	41.00 ug/L	99
56)	1,2-dibromoethane	9.640	109	424901	40.39 ug/L #	100
57)	chlorobenzene	10.317	112	1553667	39.60 ug/L	99
58)	1-chlorohexane	10.366	55	533257	40.30 ug/L	95
59)	1,1,1,2-tetrachloroethane	10.451	131	524958	39.47 ug/L	95
60)	ethylbenzene	10.500	91	2682656	41.70 ug/L	98
61)	m+p-xylene	10.664	106	2116717	83.84 ug/L	90
62)	o-xylene	11.164	106	992257	39.07 ug/L	90
63)	styrene	11.189	104	1715151	39.18 ug/L	89
64)	bromoform	11.390	173	313368	34.38 ug/L	100
67)	isopropylbenzene	11.658	105	2382862	42.94 ug/L	98
68)	bromobenzene	11.981	77	965977	41.67 ug/L	92
69)	1,1,2,2-tetrachloroethane	12.066	83	569513	42.22 ug/L #	100
70)	1,2,3-trichloropropane	12.091	110	176539	39.31 ug/L	95
71)	1,4-dichloro-2-butene	12.140	53	170609	39.59 ug/L	81
72)	n-propylbenzene	12.182	120	708816	40.41 ug/L	99
73)	2-chlorotoluene	12.255	126	622981	41.93 ug/L	99
74)	1,3,5-trimethylbenzene	12.420	105	2019724	38.10 ug/L	95
75)	4-chlorotoluene	12.396	91	2037321	43.42 ug/L	96
76)	tert-butylbenzene	12.822	119	1699978	39.39 ug/L	95
77)	1,2,4-trimethylbenzene	12.883	105	2043316	39.18 ug/L	95
78)	sec-butylbenzene	13.097	105	2367499	39.81 ug/L	99
79)	1,3-dichlorobenzene	13.194	146	1178369	39.99 ug/L	100
80)	4-isopropyltoluene	13.298	119	2026571	43.76 ug/L	96
81)	1,4-dichlorobenzene	13.310	146	1199465	38.44 ug/L	100
82)	1,2-dichlorobenzene	13.767	146	1090790	41.23 ug/L	99
83)	n-butylbenzene	13.810	91	1645636	40.52 ug/L	99
84)	hexachloroethane	14.072	201	242521	33.64 ug/L #	91
85)	1,2-dibromo-3-chloropr...	14.749	157	97153	37.13 ug/L	96
86)	1,2,4-trichlorobenzene	15.773	180	590962	38.95 ug/L	99
87)	hexachlorobutadiene	16.017	225	264892	40.94 ug/L	100
88)	naphthalene	16.066	128	1340439	40.93 ug/L	96
89)	1,2,3-trichlorobenzene	16.370	180	507606	42.96 ug/L	99
90)	2-methylnaphthalene	17.474	142	446386	48.09 ug/L	97

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

LCS / LCS DUPLICATE RECOVERY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206965-BSD1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1206965
Sequence: 2F04013

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Benzene	40.0	41.5	104	2	20	84 - 119	ug/L
Chlorobenzene	40.0	39.1	98	1	20	84 - 118	ug/L
1,1-Dichloroethene	40.0	40.2	100	3	20	77 - 123	ug/L
Toluene	40.0	40.8	102	2	20	85 - 118	ug/L
Trichloroethene	40.0	40.6	101	2	20	82 - 119	ug/L

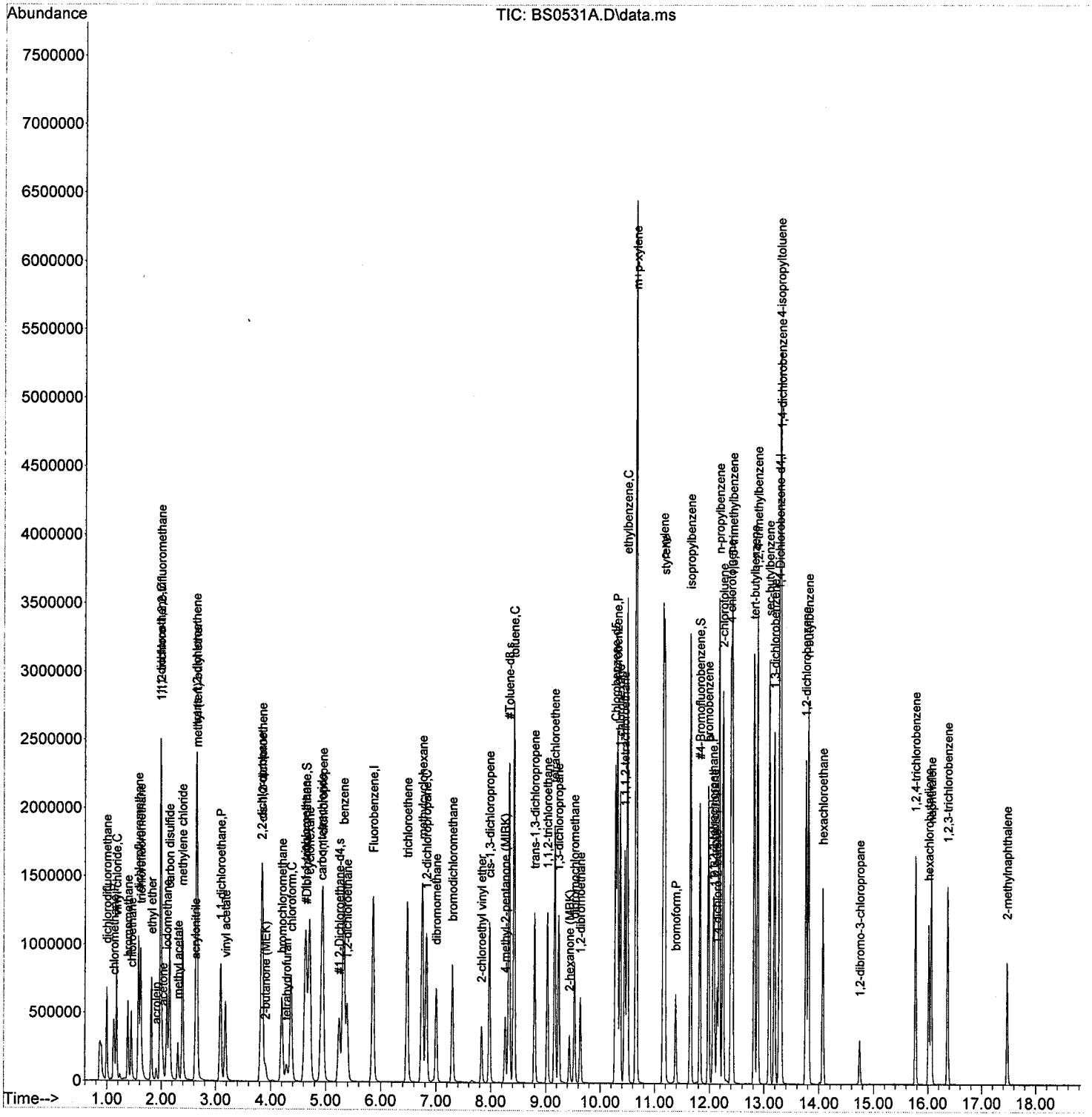
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : BS0531A.D
Acq On : 31 May 2012 8:31
Operator : LEW
Sample : BSA
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 31 10:48:15 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration



00741

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : BS0531A.D
Acq On : 31 May 2012 8:31
Operator : LEW
Sample : BSA
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 31 10:48:15 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.860	96	1740875	40.00 ug/L	-0.01
51) Chlorobenzene-d5	10.280	117	1383058	40.00 ug/L	-0.01
66) 1,4-Dichlorobenzene-d4	13.279	152	777713	40.00 ug/L	#-0.01
System Monitoring Compounds					
29) #Dibromofluoromethane	4.647	111	449134	37.84 ug/L	-0.02
Spiked Amount 40.000			Recovery = 94.60%		
37) #1,2-Dichloroethane-d4	5.244	67	260592	36.30 ug/L	-0.02
Spiked Amount 40.000			Recovery = 90.75%		
47) #Toluene-d8	8.335	98	1734321	40.01 ug/L	-0.01
Spiked Amount 40.000			Recovery = 100.02%		
65) #4-Bromofluorobenzene	11.828	95	689664	39.52 ug/L	0.00
Spiked Amount 40.000			Recovery = 98.80%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.995	85	515393	37.60 ug/L	100
3) chloromethane	1.123	50	563402	37.72 ug/L	99
4) vinyl chloride	1.172	62	659450	39.32 ug/L	99
5) bromomethane	1.379	94	346146	31.74 ug/L	100
6) chloroethane	1.446	64	404937	39.42 ug/L	99
7) dichlorofluoromethane	1.574	67	942495	35.91 ug/L	100
8) trichlorofluoromethane	1.617	101	846039	35.02 ug/L	100
9) ethyl ether	1.818	74	266312	33.29 ug/L	96
10) acrolein	1.904	56	64647	36.39 ug/L	100
11) 1,1,2-trichloro-1,2,2-...	1.989	101	494377	32.92 ug/L	96
12) 1,1-dichloroethene	1.983	96	518354	40.17 ug/L #	87
13) acetone	2.026	43	131386	31.53 ug/L #	81
14) iodomethane	2.099	142	794969	44.95 ug/L	87
15) carbon disulfide	2.147	76	1444331	42.19 ug/L	100
16) methyl acetate	2.306	43	310495	33.79 ug/L	99
17) methylene chloride	2.385	49	662825	38.85 ug/L	98
18) acrylonitrile	2.623	53	170015	37.24 ug/L	95
19) trans-1,2-dichloroethene	2.641	96	565603	38.47 ug/L	96
20) methyl (tert) butyl ether	2.653	73	1259566	37.03 ug/L	94
21) 1,1-dichloroethane	3.092	63	963714	40.60 ug/L	99
22) vinyl acetate	3.178	43	935200	45.45 ug/L	98
23) 2,2-dichloropropane	3.830	77	697671	43.95 ug/L	91
24) cis-1,2-dichloroethene	3.842	96	576285	41.45 ug/L	95
25) 2-butanone (MEK)	3.903	43	176459	40.11 ug/L	99
26) bromochloromethane	4.202	49	424091	42.06 ug/L #	81
27) tetrahydrofuran	4.287	71	45813	39.67 ug/L	86
28) chloroform	4.373	83	907983	38.59 ug/L	99
30) 1,1,1-trichloroethane	4.629	97	779187	37.44 ug/L	97
31) cyclohexane	4.702	56	884887	41.86 ug/L	89
32) carbon tetrachloride	4.921	117	699628	37.16 ug/L	99
33) 1,1-dichloropropene	4.946	75	771495	44.05 ug/L	98
34) benzene	5.324	78	2114364	41.46 ug/L	91
35) 1,2-dichloroethane	5.385	62	670392	36.94 ug/L	91
36) heptane	5.854	57	55297	No Calib	
38) trichloroethene	6.476	130	592600	40.58 ug/L	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\05-31-12\
InstName : 328
Data File : BS0531A.D
Acq On : 31 May 2012 8:31
Operator : LEW
Sample : BSA
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 31 10:48:15 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB62.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Thu May 24 14:40:16 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	6.750	83	796375	37.89 ug/L	97
40)	1,2-dichloropropane	6.823	63	519236	43.31 ug/L	96
41)	dibromomethane	7.000	93	296396	39.78 ug/L	94
42)	1,4-dioxane	7.000	88	1567	No Calib #	
43)	bromodichloromethane	7.299	83	662243	41.83 ug/L	100
44)	2-chloroethyl vinyl ether	7.829	63	196897	36.73 ug/L	95
45)	cis-1,3-dichloropropene	7.976	75	768027	38.88 ug/L	87
46)	4-methyl-2-pentanone (...	8.262	43	371867	40.01 ug/L	96
48)	toluene	8.427	91	2243236	40.79 ug/L	99
49)	trans-1,3-dichloropropene	8.799	75	709081	42.77 ug/L	93
50)	1,1,2-trichloroethane	9.030	83	350120	39.41 ug/L	96
52)	tetrachloroethene	9.164	166	641031	38.02 ug/L	99
53)	1,3-dichloropropane	9.238	76	778709	40.42 ug/L	100
54)	2-hexanone (MBK)	9.439	43	250408	37.88 ug/L	95
55)	dibromochloromethane	9.530	129	483166	40.93 ug/L	99
56)	1,2-dibromoethane	9.640	109	416224	40.45 ug/L #	100
57)	chlorobenzene	10.317	112	1501174	39.12 ug/L	99
58)	1-chlorohexane	10.365	55	504925	39.01 ug/L	95
59)	1,1,1,2-tetrachloroethane	10.451	131	511254	39.30 ug/L	95
60)	ethylbenzene	10.499	91	2589872	41.16 ug/L	97
61)	m+p-xylene	10.664	106	2033209	82.34 ug/L	90
62)	o-xylene	11.164	106	957467	38.55 ug/L	91
63)	styrene	11.188	104	1662714	38.84 ug/L	89
64)	bromoform	11.390	173	308444	34.58 ug/L	100
67)	isopropylbenzene	11.658	105	2287766	42.44 ug/L	98
68)	bromobenzene	11.981	77	937815	41.63 ug/L	92
69)	1,1,2,2-tetrachloroethane	12.066	83	552770	42.17 ug/L #	100
70)	1,2,3-trichloropropane	12.091	110	172374	39.50 ug/L	94
71)	1,4-dichloro-2-butene	12.139	53	165017	39.41 ug/L #	80
72)	n-propylbenzene	12.182	120	678735	39.83 ug/L	100
73)	2-chlorotoluene	12.255	126	602273	41.71 ug/L	99
74)	1,3,5-trimethylbenzene	12.426	105	1947394	37.81 ug/L	95
75)	4-chlorotoluene	12.395	91	1971842	43.25 ug/L	97
76)	tert-butylbenzene	12.822	119	1643072	39.18 ug/L	95
77)	1,2,4-trimethylbenzene	12.883	105	1969980	38.88 ug/L	95
78)	sec-butylbenzene	13.097	105	2262307	39.16 ug/L	99
79)	1,3-dichlorobenzene	13.194	146	1144563	39.97 ug/L	100
80)	4-isopropyltoluene	13.298	119	1931945	42.93 ug/L	96
81)	1,4-dichlorobenzene	13.310	146	1159156	38.23 ug/L	99
82)	1,2-dichlorobenzene	13.761	146	1062400	41.33 ug/L	100
83)	n-butylbenzene	13.810	91	1559648	39.54 ug/L	99
84)	hexachloroethane	14.072	201	237321	33.86 ug/L #	92
85)	1,2-dibromo-3-chloropr...	14.749	157	94159	37.04 ug/L	97
86)	1,2,4-trichlorobenzene	15.773	180	570516	38.71 ug/L	99
87)	hexachlorobutadiene	16.017	225	249125	39.62 ug/L	99
88)	naphthalene	16.065	128	1302831	40.94 ug/L	96
89)	1,2,3-trichlorobenzene	16.370	180	493796	43.00 ug/L	99
90)	2-methylnaphthalene	17.474	142	436143	48.31 ug/L	97

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

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1206463

Printed: 6/5/2012 12:58:05PM

Volatiles MS, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 2010284 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
2010284	8260B Static Surrogate 01-10-12	MeOH H45E36	CD-1263
2050779	8260 Working Standard B 05-15-:	MeOH-G50E19	NA

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205226	8260B TCL OLM 4.3 VOAs	1205358	8260B TCL OLM 4.3 VOAs		

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1206463-BLK1		May-21-12 07:00	DLV	5	5	1				BLANK	
1206463-BS1		May-21-12 07:00	DLV	5	5	1		2050779	2	LCS	
1206463-BSD1		May-21-12 07:00	DLV	5	5	1		2050779	2	LCS DUP	
1205226-01	D	May-21-12 07:00	DLV	5	5	1				TechLaw	
1205226-02	D	May-21-12 07:00	DLV	5	5	1				TechLaw	
1205358-01	G	May-21-12 07:00	DLV	5	5	1				TechLaw	

Comments:	Analyst Initials:

007119

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1206965

Printed: 6/5/2012 12:58:21PM

Volatiles MS, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 2010284 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
2010284	8260B Static Surrogate 01-10-12	MeOH H45E36	CD-1263
2051156	8260B Working Std A 05-24-12	Solvent Lot #K14E06	001

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205374	8260B TCL OLM 4.3 VOAs				

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1206965-BLK1		May-31-12 07:00	LEW	5	5	1				BLANK	
1206965-BS1		May-31-12 07:00	LEW	5	5	1		2051156	2	LCS	
1206965-BSD1		May-31-12 07:00	LEW	5	5	1		2051156	2	LCS DUP	
1205374-01	C	May-31-12 07:00	LEW	5	5	1				TechLaw	

Comments:	Analyst Initials:

51700

Volatiles MS, Water, May-21-12

Instrument = 224, Calibration = 2E22009

Sequence Analyses:
8260B TCL OLM 4.3 VOAs

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2E22019-TUN1	QC		2031374	2041263	MS TUNE	
2E22019-CCV1	QC		2041200	2041263	CALIBRATION CHECK	
1206463-BS1	QC			2041263	LCS	
1206463-BSD1	QC			2041263	LCS DUP	
1206463-BLK1	QC			2041263	BLANK	
1205226-01	8260B TCL OLM 4.3 VOAs	D		2041263	TechLaw	
1205226-02	8260B TCL OLM 4.3 VOAs	D		2041263	TechLaw	
1205358-01	8260B TCL OLM 4.3 VOAs	G		2041263	TechLaw	

Comments:	Analyst Initials:

Volatiles MS, Water, May-31-12

Instrument = 328, Calibration = 2E25004

Sequence Analyses:
8260B TCL OLM 4.3 VOAs

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2F04013-TUN1	QC		2031374		MS TUNE	
2F04013-CCV1	QC		2051232	2041263	CALIBRATION CHECK	
1206965-BS1	QC			2041263	LCS	
1206965-BSD1	QC			2041263	LCS DUP	
1206965-BLK1	QC			2041263	BLANK	
1205374-01	8260B TCL OLM 4.3 VOAs	C		2041263	TechLaw	

Comments:	Analyst Initials:

TRIMATRIX LABORATORIES

Instrument Number:	224	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	45° C for 3 minutes	Curve Date:	5-18-12
Column Installation Date:	3/1/2005	Scan Range:	35-300	Step #2	15° C/minute to 200° C, hold for 1.00 minute	IS/SS Std.:	2031416
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	7050779
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	7050653

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
5-18-12	DW	8260B	25	50			8:23	QC	BFB0518		
			20				8:52		CCV0518		
			20				9:20		BS0518		
							9:49		B		
							10:18		BLK0518		
			0.5	200			10:47		0.25P0518		
			1	200			11:15		0.5P0518		
			1	100			11:42		1P0518		
			5	100			12:09		5P0518		
			5	50			12:40		10P0518		
			10				13:08		20P0518		
			20				13:35		40P0518		
			50				14:03		100P0518		
							14:31		R1		
			100	50			14:59		200P0518		
							15:26		R2		
			20	50			15:54		SCV0518		
			25				16:22	QC	BFB0518A		
			20				16:50		CCV0518A		
			20				17:17		BS0518A		

00718

TRIMATRIX LABORATORIES

Instrument Number:	224	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	45° C for 3 minutes	Curve Date:	5-18-12
Column Installation Date:	3/1/2005	Scan Range:	35-300	Step #2	15° C/minute to 200° C, hold for 1.00 minute	IS/SS Std.:	2031416
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	2050779
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
5-21-12	DLV	8260B	25	50			7:49	QC	BFB0521		
			20				8:16		CCV0521		
			1				8:44		BS0521		
							9:12		B		
							9:39		BLK0521		
						✓	10:07	TechLaw	1205276-01		
						✓	10:34		02		
						✓	11:02		1205358-01		
							11:30	[redacted]	1204360-24		
			25	50			14:58		BFB0521B		
			20		Wrong method Not used		15:26		CCV0521B		
			1				15:54		BS0521B		
							16:22		B		
							16:49		BLK0521B		
						✓	17:17	[redacted]	1205267-01		
						✓	17:44		02		
						✓	18:12		03		
						✓	18:40		1205268-01		
						✓	19:07		03		
						✓	19:35		05		

TRIMATRIX LABORATORIES

Instrument Number:	328	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	45° C for 3 minutes	Curve Date:	5-24-12
Column Installation Date:	12/23/2009	Scan Range:	35-300	Step #2	15° C/minute to 200° C, hold for 1.00 minute	IS/SS Std.:	2031416
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	2051156
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time LEW5240	Client	Sample ID	Dilution	Matrix
5-24-12	624/8260B	LEW					~~759~~ 12	QC	BFB0524		
							1008		0.25p0524		
							1035		0.5p0524		
							1103		1p0524		
							1130		5p0524		
							1158		10p0524		
							1226		20p0524		
							1254		40p0524		
							1322		100p0524		
							1349		R1		
							1417		200p0524		
							1445		R2		
							15:13		SCN0524		
							15:40		R3		
									~~100p0524~~	LEW	5-25-12
									~~R4~~		
									~~200p0524~~		
									~~R5~~		
							1608		1p524Oxy		
							1636		5p524Oxy		
5-24-12							1704		10p524Oxy		

00759

TRIMATRIX LABORATORIES

Instrument Number:	328	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	45° C for 3 minutes	Curve Date:	5-24-12
Column Installation Date:	12/23/2009	Scan Range:	35-300	Step #2	15° C/minute to 200° C, hold for 1.00 minute	IS/SS Std.:	2031416
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	2051255
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
5-31-12	LEW	8260B	25	50			708	QC	BFB0531		
			20				736		CCV0531		
			20				804		CCV0531A		
			20				831		BS0531A		
							859		R1		
							926		BLK0531A		
							954		BLK0531AA		
							1022	Tech Law	1205374-01		
							1050	[redacted]	1205452-06		
							1118		1205453-00		
							1145		1205461-02		
							1213		-03		
							1241		1205452-01		
							1308		-02		
							1336		-03		
							1403		1205453-01		
							1431		-03		
							1459		-04		
							1527		1205461-~~03~~ -02	LEW 6-1-12	
							1555		-05		

00751