TRIMATRIX LABORATORIES

SECTION - F

GC/MS VOLATILE ORGANICS

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Individual sample results relate only to the sample tested.

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM040512

USEPA-8260B

SAMPLE ID SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

SDG: KNM040512

Project: KNM

Client Sample Id:	Lab Sample Id:
KAFB-003	1204091-01
106042	1204205-01
106089	1204205-02
106058	1204329-01
106053	1204454-01
106054	1204454-02

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2D06026
Sequence: 2D06049
Instrument: 328

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (2D06049-CCV1)		**Lab File ID: CCV0406.D**		**Analyzed: 04/06/12 08:11**			
Dibromofluoromethane	**4.62**	**4.64**	**-0.02**	**+/-0.5**	**100**	**75 - 125**	
1,2-Dichloroethane-d4	**5.23**	**5.24**	**-0.01**	**+/-0.5**	**98**	**75 - 125**	
Toluene-d8	**8.32**	**8.33**	**-0.01**	**+/-0.5**	**101**	**75 - 125**	
4-Bromofluorobenzene	**11.82**	**11.82**	**-0.01**	**+/-0.5**	**101**	**75 - 125**	
LCS (1204318-BS1)		**Lab File ID: BS0406.D**		**Analyzed: 04/06/12 08:38**			
Dibromofluoromethane	**4.63**	**4.64**	**-0.01**	**+/-0.5**	**99**	**85 - 118**	
1,2-Dichloroethane-d4	**5.23**	**5.24**	**-0.01**	**+/-0.5**	**99**	**87 - 122**	
Toluene-d8	**8.32**	**8.33**	**-0.01**	**+/-0.5**	**100**	**85 - 113**	
4-Bromofluorobenzene	**11.82**	**11.82**	**-0.01**	**+/-0.5**	**99**	**82 - 110**	
Blank (1204318-BLK1)		**Lab File ID: BLK0406.D**		**Analyzed: 04/06/12 09:33**			
Dibromofluoromethane	**4.62**	**4.64**	**-0.02**	**+/-0.5**	**100**	**85 - 118**	
1,2-Dichloroethane-d4	**5.23**	**5.24**	**-0.01**	**+/-0.5**	**100**	**87 - 122**	
Toluene-d8	**8.32**	**8.33**	**-0.01**	**+/-0.5**	**98**	**85 - 113**	
4-Bromofluorobenzene	**11.82**	**11.82**	**-0.01**	**+/-0.5**	**93**	**82 - 110**	
KAFB-003 (1204091-01)		**Lab File ID: 1204091-01.D**		**Analyzed: 04/06/12 16:57**			
Dibromofluoromethane	**4.63**	**4.64**	**-0.01**	**+/-0.5**	**104**	**85 - 118**	
1,2-Dichloroethane-d4	**5.23**	**5.24**	**-0.01**	**+/-0.5**	**107**	**87 - 122**	
Toluene-d8	**8.32**	**8.33**	**-0.01**	**+/-0.5**	**98**	**85 - 113**	
4-Bromofluorobenzene	**11.82**	**11.82**	**0.00**	**+/-0.5**	**93**	**82 - 110**	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2D17013
Sequence: 2D17013
Instrument: 224

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (2D17013-CCV1)		**Lab File ID: CCV0416C.D**		**Analyzed: 04/16/12 18:23**			
Dibromofluoromethane	**5.68**	**5.68**	**0.00**	**+/-0.5**	**99**	**75 - 125**	
1,2-Dichloroethane-d4	**6.21**	**6.22**	**-0.01**	**+/-0.5**	**98**	**75 - 125**	
Toluene-d8	**9.06**	**9.06**	**0.00**	**+/-0.5**	**101**	**75 - 125**	
4-Bromofluorobenzene	**12.44**	**12.45**	**-0.01**	**+/-0.5**	**101**	**75 - 125**	
LCS (1204730-BS1)		**Lab File ID: BS0416C.D**		**Analyzed: 04/16/12 18:51**			
Dibromofluoromethane	**5.68**	**5.68**	**0.00**	**+/-0.5**	**99**	**85 - 118**	
1,2-Dichloroethane-d4	**6.22**	**6.22**	**0.00**	**+/-0.5**	**97**	**87 - 122**	
Toluene-d8	**9.06**	**9.06**	**0.00**	**+/-0.5**	**101**	**85 - 113**	
4-Bromofluorobenzene	**12.45**	**12.45**	**0.00**	**+/-0.5**	**99**	**82 - 110**	
Blank (1204730-BLK1)		**Lab File ID: BLK0416C.D**		**Analyzed: 04/16/12 19:46**			
Dibromofluoromethane	**5.68**	**5.68**	**0.00**	**+/-0.5**	**98**	**85 - 118**	
1,2-Dichloroethane-d4	**6.22**	**6.22**	**0.00**	**+/-0.5**	**97**	**87 - 122**	
Toluene-d8	**9.06**	**9.06**	**0.00**	**+/-0.5**	**96**	**85 - 113**	
4-Bromofluorobenzene	**12.44**	**12.45**	**-0.01**	**+/-0.5**	**98**	**82 - 110**	
106042 (1204205-01)		**Lab File ID: 1204205-01.D**		**Analyzed: 04/17/12 02:45**			
Dibromofluoromethane	**5.67**	**5.68**	**-0.01**	**+/-0.5**	**100**	**85 - 118**	
1,2-Dichloroethane-d4	**6.21**	**6.22**	**-0.01**	**+/-0.5**	**99**	**87 - 122**	
Toluene-d8	**9.06**	**9.06**	**0.00**	**+/-0.5**	**101**	**85 - 113**	
4-Bromofluorobenzene	**12.44**	**12.45**	**-0.01**	**+/-0.5**	**97**	**82 - 110**	
106089 (1204205-02)		**Lab File ID: 1204205-02.D**		**Analyzed: 04/17/12 03:14**			
Dibromofluoromethane	**5.67**	**5.68**	**-0.01**	**+/-0.5**	**100**	**85 - 118**	
1,2-Dichloroethane-d4	**6.21**	**6.22**	**-0.01**	**+/-0.5**	**99**	**87 - 122**	
Toluene-d8	**9.06**	**9.06**	**0.00**	**+/-0.5**	**98**	**85 - 113**	
4-Bromofluorobenzene	**12.45**	**12.45**	**0.00**	**+/-0.5**	**96**	**82 - 110**	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2D20002
Sequence: 2D24048
Instrument: 323

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
LCS (1205092-BS1)	**Lab File ID: CCV0423A.D Analyzed: 04/23/12 09:53**						
Dibromofluoromethane	4.25	4.25	0.00	+/-0.5	98	85 - 118	
1,2-Dichloroethane-d4	4.82	4.82	0.00	+/-0.5	100	87 - 122	
Toluene-d8	7.99	7.99	0.00	+/-0.5	100	85 - 113	
4-Bromofluorobenzene	11.44	11.44	0.00	+/-0.5	100	82 - 110	
Calibration Check (2D24048-CCV1)	**Lab File ID: CCV0423A.D Analyzed: 04/23/12 09:53**						
Dibromofluoromethane	4.25	4.25	0.00	+/-0.5	98	75 - 125	
1,2-Dichloroethane-d4	4.82	4.82	0.00	+/-0.5	100	75 - 125	
Toluene-d8	7.99	7.99	0.00	+/-0.5	100	75 - 125	
4-Bromofluorobenzene	11.44	11.44	0.00	+/-0.5	100	75 - 125	
LCS Dup (1205092-BSD1)	**Lab File ID: BSD0423A.D Analyzed: 04/23/12 10:20**						
Dibromofluoromethane	4.25	4.25	0.00	+/-0.5	97	85 - 118	
1,2-Dichloroethane-d4	4.82	4.82	0.00	+/-0.5	101	87 - 122	
Toluene-d8	7.99	7.99	0.00	+/-0.5	101	85 - 113	
4-Bromofluorobenzene	11.44	11.44	0.00	+/-0.5	100	82 - 110	
Blank (1205092-BLK1)	**Lab File ID: BLK0423A.D Analyzed: 04/23/12 11:15**						
Dibromofluoromethane	4.25	4.25	0.00	+/-0.5	103	85 - 118	
1,2-Dichloroethane-d4	4.82	4.82	0.00	+/-0.5	104	87 - 122	
Toluene-d8	7.99	7.99	0.00	+/-0.5	98	85 - 113	
4-Bromofluorobenzene	11.44	11.44	0.00	+/-0.5	101	82 - 110	
Instrument RL Check (2D24048-CRL1)	**Lab File ID: MRL1P0423A.Analyzed: 04/23/12 11:43**						
Dibromofluoromethane	4.25	4.25	0.00	+/-0.5	102	70 - 130	
1,2-Dichloroethane-d4	4.82	4.82	0.00	+/-0.5	104	70 - 130	
Toluene-d8	7.99	7.99	0.00	+/-0.5	99	70 - 130	
4-Bromofluorobenzene	11.44	11.44	0.00	+/-0.5	103	70 - 130	
Instrument RL Check (2D24048-CRL2)	**Lab File ID: MRL5P0423A.Analyzed: 04/23/12 12:11**						
Dibromofluoromethane	4.25	4.25	0.00	+/-0.5	101	70 - 130	
1,2-Dichloroethane-d4	4.82	4.82	0.00	+/-0.5	103	70 - 130	
Toluene-d8	7.99	7.99	0.00	+/-0.5	100	70 - 130	
4-Bromofluorobenzene	11.44	11.44	0.00	+/-0.5	102	70 - 130	
106058 (1204329-01)	**Lab File ID: 1204329-01.D Analyzed: 04/23/12 19:09**						
Dibromofluoromethane	4.26	4.25	0.01	+/-0.5	103	85 - 118	
1,2-Dichloroethane-d4	4.82	4.82	0.00	+/-0.5	106	87 - 122	
Toluene-d8	7.99	7.99	0.00	+/-0.5	99	85 - 113	
4-Bromofluorobenzene	11.44	11.44	0.00	+/-0.5	100	82 - 110	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2D20002
Sequence: 2D24048
Instrument: 323

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Instrument RL Check (2D24048-CRL3)	**Lab File ID: MRL1P0423B.Analyzed: 04/23/12 19:37**						
Dibromofluoromethane	**4.25**	**4.25**	**0.00**	**+/-0.5**	**103**	**70 - 130**	
1,2-Dichloroethane-d4	**4.82**	**4.82**	**0.00**	**+/-0.5**	**104**	**70 - 130**	
Toluene-d8	**7.99**	**7.99**	**0.00**	**+/-0.5**	**99**	**70 - 130**	
4-Bromofluorobenzene	**11.44**	**11.44**	**0.00**	**+/-0.5**	**102**	**70 - 130**	
Instrument RL Check (2D24048-CRL4)	**Lab File ID: MRL5P0423B.Analyzed: 04/23/12 20:05**						
Dibromofluoromethane	**4.26**	**4.25**	**0.01**	**+/-0.5**	**102**	**70 - 130**	
1,2-Dichloroethane-d4	**4.82**	**4.82**	**0.00**	**+/-0.5**	**104**	**70 - 130**	
Toluene-d8	**7.99**	**7.99**	**0.00**	**+/-0.5**	**101**	**70 - 130**	
4-Bromofluorobenzene	**11.44**	**11.44**	**0.00**	**+/-0.5**	**102**	**70 - 130**	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2E03002
Sequence: 2E04020
Instrument: 224

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (2E04020-CCV1)		**Lab File ID: CCV0503.D**		**Analyzed: 05/03/12 08:08**			
Dibromofluoromethane	**5.68**	**5.68**	**0.00**	**+/-0.5**	**102**	**75 - 125**	
1,2-Dichloroethane-d4	**6.22**	**6.21**	**0.01**	**+/-0.5**	**105**	**75 - 125**	
Toluene-d8	**9.06**	**9.06**	**0.00**	**+/-0.5**	**102**	**75 - 125**	
4-Bromofluorobenzene	**12.45**	**12.44**	**0.01**	**+/-0.5**	**99**	**75 - 125**	
LCS (1205579-BS1)		**Lab File ID: BS0503.D**		**Analyzed: 05/03/12 08:36**			
Dibromofluoromethane	**5.68**	**5.68**	**0.00**	**+/-0.5**	**102**	**85 - 118**	
1,2-Dichloroethane-d4	**6.22**	**6.21**	**0.01**	**+/-0.5**	**106**	**87 - 122**	
Toluene-d8	**9.06**	**9.06**	**0.00**	**+/-0.5**	**103**	**85 - 113**	
4-Bromofluorobenzene	**12.45**	**12.44**	**0.01**	**+/-0.5**	**99**	**82 - 110**	
Blank (1205579-BLK1)		**Lab File ID: BLK0503.D**		**Analyzed: 05/03/12 09:31**			
Dibromofluoromethane	**5.68**	**5.68**	**0.00**	**+/-0.5**	**101**	**85 - 118**	
1,2-Dichloroethane-d4	**6.22**	**6.21**	**0.01**	**+/-0.5**	**105**	**87 - 122**	
Toluene-d8	**9.06**	**9.06**	**0.00**	**+/-0.5**	**101**	**85 - 113**	
4-Bromofluorobenzene	**12.45**	**12.44**	**0.01**	**+/-0.5**	**99**	**82 - 110**	
106053 (1204454-01)		**Lab File ID: 1204454-01.D**		**Analyzed: 05/03/12 16:25**			
Dibromofluoromethane	**5.68**	**5.68**	**0.00**	**+/-0.5**	**101**	**85 - 118**	
1,2-Dichloroethane-d4	**6.22**	**6.21**	**0.01**	**+/-0.5**	**105**	**87 - 122**	
Toluene-d8	**9.06**	**9.06**	**0.00**	**+/-0.5**	**100**	**85 - 113**	
4-Bromofluorobenzene	**12.45**	**12.44**	**0.01**	**+/-0.5**	**98**	**82 - 110**	
106054 (1204454-02)		**Lab File ID: 1204454-02.D**		**Analyzed: 05/03/12 16:53**			
Dibromofluoromethane	**5.67**	**5.68**	**-0.01**	**+/-0.5**	**100**	**85 - 118**	
1,2-Dichloroethane-d4	**6.21**	**6.21**	**0.00**	**+/-0.5**	**105**	**87 - 122**	
Toluene-d8	**9.06**	**9.06**	**0.00**	**+/-0.5**	**102**	**85 - 113**	
4-Bromofluorobenzene	**12.45**	**12.44**	**0.01**	**+/-0.5**	**97**	**82 - 110**	

LCS / LCS DUPLICATE RECOVERY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1204318

SDG: KNM040512

Project: KNM

Laboratory ID: 1204318-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 2D06049

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	39.6	99	84 - 119	ug/L
Chlorobenzene	40.0	38.4	96	84 - 118	ug/L
1,1-Dichloroethene	40.0	38.8	97	77 - 123	ug/L
Toluene	40.0	39.7	99	85 - 118	ug/L
Trichloroethene	40.0	39.6	99	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

QC Batch: 1204730

SDG: KNM040512

Project: KNM

Laboratory ID: 1204730-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 2D17013

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	40.5	101	84 - 119	ug/L
Chlorobenzene	40.0	40.0	100	84 - 118	ug/L
1,1-Dichloroethene	40.0	40.6	101	77 - 123	ug/L
Toluene	40.0	40.8	102	85 - 118	ug/L
Trichloroethene	40.0	40.5	101	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

QC Batch: 1205092

SDG: KNM040512

Project: KNM

Laboratory ID: 1205092-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 2D24048

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	39.5	99	84 - 119	ug/L
Chlorobenzene	40.0	39.2	98	84 - 118	ug/L
1,1-Dichloroethene	40.0	39.3	98	77 - 123	ug/L
Toluene	40.0	39.2	98	85 - 118	ug/L
Trichloroethene	40.0	39.5	99	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: KNM040512
Project: KNM
Laboratory ID: 1205092-BSD1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1205092
Sequence: 2D24048

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Benzene	40.0	40.0	100	1	20	84 - 119	ug/L
Chlorobenzene	40.0	39.7	99	1	20	84 - 118	ug/L
1,1-Dichloroethene	40.0	40.2	101	2	20	77 - 123	ug/L
Toluene	40.0	40.2	100	2	20	85 - 118	ug/L
Trichloroethene	40.0	40.7	102	3	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: KNM040512
Project: KNM
Laboratory ID: 1205579-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL
Sequence: 2E04020

QC Batch: 1205579

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	44.1	110	84 - 119	ug/L
Chlorobenzene	40.0	43.1	108	84 - 118	ug/L
1,1-Dichloroethene	40.0	45.0	112	77 - 123	ug/L
Toluene	40.0	43.5	109	85 - 118	ug/L
Trichloroethene	40.0	43.0	107	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: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204318-BLK1 File ID: BLK0406.D

Prepared: 04/06/12 07:00 Analyzed: 04/06/12 09:33

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

QC Batch: 1204318 Sequence: 2D06049 Calibration: 2D06026 Instrument: 328

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
67-64-1	Acetone	2.6	ug/L	1.1	5.0	J
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	1.1	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	1.0	ug/L	0.24	1.0	U
78-93-3	2-Butanone (MEK)	5.0	ug/L	0.63	5.0	U
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

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204318-BLK1 File ID: BLK0406.D

Prepared: 04/06/12 07:00 Analyzed: 04/06/12 09:33

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

QC Batch: 1204318 Sequence: 2D06049 Calibration: 2D06026 Instrument: 328

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
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	0.32	ug/L	0.13	1.0	J
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	40.2	100	85 - 118	
1,2-Dichloroethane-d4	40.0	40.0	100	87 - 122	
Toluene-d8	40.0	39.1	98	85 - 113	
4-Bromofluorobenzene	40.0	37.4	93	82 - 110	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Fluorobenzene	600591	5.842	97	5.854	
Chlorobenzene-d5	503519	10.274	96	10.28	
1,4-Dichlorobenzene-d4	301931	13.273	87	13.279	

QC BATCH SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1204318 QC Batch Matrix: Water

Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
KAFB-003	1204091-01	04/06/12 07:00	
Blank	1204318-BLK1	04/06/12 07:00	
LCS	1204318-BS1	04/06/12 07:00	

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204730-BLK1 File ID: BLK0416C.D

Prepared: 04/16/12 17:00 Analyzed: 04/16/12 19:46

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

QC Batch: 1204730 Sequence: 2D17013 Calibration: 2D17013 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	0.28	ug/L	0.23	5.0	J
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	0.40	ug/L	0.24	1.0	J
78-93-3	2-Butanone (MEK)	5.0	ug/L	0.63	5.0	U
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

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204730-BLK1 File ID: BLK0416C.D

Prepared: 04/16/12 17:00 Analyzed: 04/16/12 19:46

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

QC Batch: 1204730 Sequence: 2D17013 Calibration: 2D17013 Instrument: 224

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
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	39.0	98	85 - 118	
1,2-Dichloroethane-d4	40.0	38.9	97	87 - 122	
Toluene-d8	40.0	38.4	96	85 - 113	
4-Bromofluorobenzene	40.0	39.0	98	82 - 110	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Fluorobenzene	759884	6.76	101	6.76	
Chlorobenzene-d5	632228	10.94	99	10.94	
1,4-Dichlorobenzene-d4	348563	13.89	96	13.89	

QC BATCH SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1204730 QC Batch Matrix: Water

Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
106042	1204205-01	04/16/12 17:00	
106089	1204205-02	04/16/12 17:00	
Blank	1204730-BLK1	04/16/12 17:00	
LCS	1204730-BS1	04/16/12 17:00	

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205092-BLK1 File ID: BLK0423A.D

Prepared: 04/23/12 08:00 Analyzed: 04/23/12 11:15

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

QC Batch: 1205092 Sequence: 2D24048 Calibration: 2D20002 Instrument: 323

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
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

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205092-BLK1 File ID: BLK0423A.D

Prepared: 04/23/12 08:00 Analyzed: 04/23/12 11:15

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

QC Batch: 1205092 Sequence: 2D24048 Calibration: 2D20002 Instrument: 323

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
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	0.14	ug/L	0.13	1.0	J
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	41.1	103	85 - 118	
1,2-Dichloroethane-d4	40.0	41.4	104	87 - 122	
Toluene-d8	40.0	39.2	98	85 - 113	
4-Bromofluorobenzene	40.0	40.4	101	82 - 110	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Fluorobenzene	1317874	5.46	98	5.45	
Chlorobenzene-d5	1082398	9.92	100	9.92	
1,4-Dichlorobenzene-d4	691716	12.86	100	12.87	

QC BATCH SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1205092 QC Batch Matrix: Water

Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
106058	1204329-01	04/23/12 08:00	
Blank	1205092-BLK1	04/23/12 08:00	
LCS	1205092-BS1	04/23/12 08:00	
LCS Dup	1205092-BSD1	04/23/12 08:00	

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205579-BLK1 File ID: BLK0503.D

Prepared: 05/03/12 07:00 Analyzed: 05/03/12 09:31

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

QC Batch: 1205579 Sequence: 2E04020 Calibration: 2E03002 Instrument: 224

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
67-64-1	Acetone	6.0	ug/L	1.1	5.0	
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	1.0	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	0.49	ug/L	0.24	1.0	**J**
78-93-3	2-Butanone (MEK)	5.0	ug/L	0.63	5.0	U
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

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205579-BLK1 File ID: BLK0503.D

Prepared: 05/03/12 07:00 Analyzed: 05/03/12 09:31

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

QC Batch: 1205579 Sequence: 2E04020 Calibration: 2E03002 Instrument: 224

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
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	40.5	101	85 - 118	
1,2-Dichloroethane-d4	40.0	42.0	105	87 - 122	
Toluene-d8	40.0	40.6	101	85 - 113	
4-Bromofluorobenzene	40.0	39.5	99	82 - 110	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Fluorobenzene	699124	6.76	97	6.76	
Chlorobenzene-d5	543088	10.94	96	10.94	
1,4-Dichlorobenzene-d4	288936	13.89	94	13.89	

QC BATCH SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1205579

QC Batch Matrix: Water

Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
106053	1204454-01	05/03/12 07:00	
106054	1204454-02	05/03/12 07:00	
Blank	1205579-BLK1	05/03/12 07:00	
LCS	1205579-BS1	05/03/12 07:00	

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D06045-TUN1
Lab File ID: BFB0405A.D
Injection Date: 04/05/12
Injection Time: 19:07
Sequence: 2D06045
Calibration: 2D06026
Instrument ID: 328

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	19.7	PASS
75	30 - 60% of 95	52.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.5	PASS
173	Less than 2% of 174	0.398	PASS
174	50 - 100% of 95	94.8	PASS
175	5 - 9% of 174	7.61	PASS
176	95 - 101% of 174	95.2	PASS
177	5 - 9% of 176	5.98	PASS

INITIAL CALIBRATION STANDARDS

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D06045

SDG: KNM040512

Project: KNM

Calibration: 2D06026

Instrument: 328

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2031374	8260 Tune Working Standard 03-29-12	2D06045-TUN1	BFB0405A.D	04/05/12 19:07
2031028	1 UG/L B	2D06045-CAL1	1P0405A.D	04/05/12 20:02
2031029	5 UG/L B	2D06045-CAL2	5P0405A.D	04/05/12 20:30
2031030	10 UG/L B	2D06045-CAL3	10P0405A.D	04/05/12 20:57
2031031	20 UG/L B	2D06045-CAL4	20P0405A.D	04/05/12 21:25
2031032	40 UG/L B	2D06045-CAL5	40P0405A.D	04/05/12 21:53
2031033	100 UG/L B	2D06045-CAL6	100P0405A.D	04/05/12 22:48
2031034	200 UG/L B	2D06045-CAL7	200P0405A.D	04/05/12 23:44
2020922	40 UG/L A	2D06045-SCV1	SCV0405A.D	04/06/12 01:34

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D06049-TUN1
Lab File ID: BFB0406.D
Injection Date: 04/06/12
Injection Time: 07:43
Sequence: 2D06049
Instrument ID: 328

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	19.9	PASS
75	30 - 60% of 95	52.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.65	PASS
173	Less than 2% of 174	0.822	PASS
174	50 - 100% of 95	93.4	PASS
175	5 - 9% of 174	7.46	PASS
176	95 - 101% of 174	97.1	PASS
177	5 - 9% of 176	6.59	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D06049

SDG: KNM040512

Project: KNM

Calibration: 2D06026

Instrument: 328

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D06049-TUN1	BFB0406.D	04/06/12 07:43
Calibration Check	2D06049-CCV1	CCV0406.D	04/06/12 08:11
LCS	1204318-BS1	BS0406.D	04/06/12 08:38
Blank	1204318-BLK1	BLK0406.D	04/06/12 09:33
KAFB-003	1204091-01	1204091-01.D	04/06/12 16:57

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D17011-TUN1
Lab File ID: BFB0416B.D
Injection Date: 04/16/12
Injection Time: 09:00
Sequence: 2D17011
Calibration: 2D17013
Instrument ID: 224

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	17.5	PASS
75	30 - 60% of 95	52	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.1	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	98.7	PASS
175	5 - 9% of 174	5.01	PASS
176	95 - 101% of 174	98.5	PASS
177	5 - 9% of 176	6.76	PASS

INITIAL CALIBRATION STANDARDS

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D17011

SDG: KNM040512

Project: KNM

Calibration: 2D17013

Instrument: 224

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2031374	8260 Tune Working Standard 03-29-12	2D17011-TUN1	BFB0416B.D	04/16/12 09:00
2031028	1 UG/L B	2D17011-CAL1	1P0416.D	04/16/12 11:54
2031029	5 UG/L B	2D17011-CAL2	5P0416.D	04/16/12 12:22
2031030	10 UG/L B	2D17011-CAL3	10P0416.D	04/16/12 12:50
2031031	20 UG/L B	2D17011-CAL4	20P0416.D	04/16/12 13:17
2031032	40 UG/L B	2D17011-CAL5	40P0416.D	04/16/12 13:45
2031033	100 UG/L B	2D17011-CAL6	100P0416.D	04/16/12 14:12
2031034	200 UG/L B	2D17011-CAL7	200P0416.D	04/16/12 15:35
2040302	40 UG/L A	2D17011-SCV1	SCV0416.D	04/16/12 17:01

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D17013-TUN1
Lab File ID: BFB0416C.D
Injection Date: 04/16/12
Injection Time: 17:56
Sequence: 2D17013
Instrument ID: 224

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	19.5	PASS
75	30 - 60% of 95	51.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	92.8	PASS
175	5 - 9% of 174	7.94	PASS
176	95 - 101% of 174	97.5	PASS
177	5 - 9% of 176	6.92	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D17013

SDG: KNM040512

Project: KNM

Calibration: 2D17013

Instrument: 224

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D17013-TUN1	BFB0416C.D	04/16/12 17:56
Calibration Check	2D17013-CCV1	CCV0416C.D	04/16/12 18:23
LCS	1204730-BS1	BS0416C.D	04/16/12 18:51
Blank	1204730-BLK1	BLK0416C.D	04/16/12 19:46
106042	1204205-01	1204205-01.D	04/17/12 02:45
106089	1204205-02	1204205-02.D	04/17/12 03:14

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D20008-TUN1
Lab File ID: BFB0419.D
Injection Date: 04/19/12
Injection Time: 07:46
Sequence: 2D20008
Calibration: 2D20002
Instrument ID: 323

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	15.4	PASS
75	30 - 60% of 95	45.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.62	PASS
173	Less than 2% of 174	0.205	PASS
174	50 - 100% of 95	96.3	PASS
175	5 - 9% of 174	6.98	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 9% of 176	6.48	PASS

INITIAL CALIBRATION STANDARDS

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D20008

SDG: KNM040512
Project: KNM
Calibration: 2D20002
Instrument: 323

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2031374	8260 Tune Working Standard 03-29-12	2D20008-TUN1	BFB0419.D	04/19/12 07:46
2041012	1 UG/L A	2D20008-CAL1	1P0419.D	04/19/12 11:02
2041013	5.0 UG/L A	2D20008-CAL2	5P0419.D	04/19/12 11:30
2041014	10 UG/L A	2D20008-CAL3	10P0419.D	04/19/12 11:58
2041015	20 UG/L A	2D20008-CAL4	20P0419.D	04/19/12 12:26
2041016	40 UG/L A	2D20008-CAL5	40P0419.D	04/19/12 12:53
2041017	100 UG/L A	2D20008-CAL6	100P0419.D	04/19/12 13:21
2041018	200 UG/L A	2D20008-CAL7	200P0419.D	04/19/12 14:17
2040934	40 UG/L B	2D20008-SCV1	SCV419.D	04/19/12 15:40

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D24048-TUN1
Lab File ID: BFB0423.D
Injection Date: 04/23/12
Injection Time: 08:58
Sequence: 2D24048
Instrument ID: 323

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	15.7	PASS
75	30 - 60% of 95	45.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.78	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	96.3	PASS
175	5 - 9% of 174	7.19	PASS
176	95 - 101% of 174	97.2	PASS
177	5 - 9% of 176	6.52	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D24048

SDG: KNM040512

Project: KNM

Calibration: 2D20002

Instrument: 323

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D24048-TUN1	BFB0423.D	04/23/12 08:58
Calibration Check	2D24048-CCV1	CCV0423A.D	04/23/12 09:53
LCS	1205092-BS1	CCV0423A.D	04/23/12 09:53
LCS Dup	1205092-BSD1	BSD0423A.D	04/23/12 10:20
Blank	1205092-BLK1	BLK0423A.D	04/23/12 11:15
Instrument RL Check	2D24048-CRL1	MRL1P0423A.D	04/23/12 11:43
Instrument RL Check	2D24048-CRL2	MRL5P0423A.D	04/23/12 12:11
106058	1204329-01	1204329-01.D	04/23/12 19:09
Instrument RL Check	2D24048-CRL3	MRL1P0423B.D	04/23/12 19:37
Instrument RL Check	2D24048-CRL4	MRL5P0423B.D	04/23/12 20:05

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2E03010-TUN1
Lab File ID: BFB0430.D
Injection Date: 04/30/12
Injection Time: 08:34
Sequence: 2E03010
Calibration: 2E03002
Instrument ID: 224

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	19.7	PASS
75	30 - 60% of 95	49.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.22	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	98.6	PASS
175	5 - 9% of 174	7.37	PASS
176	95 - 101% of 174	98.3	PASS
177	5 - 9% of 176	6.52	PASS

INITIAL CALIBRATION STANDARDS

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E03010

SDG: KNM040512

Project: KNM

Calibration: 2E03002

Instrument: 224

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2031374	8260 Tune Working Standard 03-29-12	2E03010-TUN1	BFB0430.D	04/30/12 08:34
2041196	1 UG/L B	2E03010-CAL1	1P0430.D	04/30/12 09:31
2041197	5 UG/L B	2E03010-CAL2	5P0430.D	04/30/12 09:59
2041198	10 UG/L B	2E03010-CAL3	10P0430.D	04/30/12 10:27
2041199	20 UG/L B	2E03010-CAL4	20P0430.D	04/30/12 10:55
2041200	40 UG/L B	2E03010-CAL5	40P0430.D	04/30/12 11:24
2041201	100 UG/L B	2E03010-CAL6	100P0430.D	04/30/12 11:51
2041318	200 UG/L B	2E03010-CAL7	200P0430.D	04/30/12 12:46
2041016	40 UG/L A	2E03010-SCV1	SCV0430.D	04/30/12 13:43

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2E04020-TUN1
Lab File ID: BFB0503A.D
Injection Date: 05/03/12
Injection Time: 07:41
Sequence: 2E04020
Instrument ID: 224

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	19.2	PASS
75	30 - 60% of 95	49.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.51	PASS
173	Less than 2% of 174	0.966	PASS
174	50 - 100% of 95	99.4	PASS
175	5 - 9% of 174	7.97	PASS
176	95 - 101% of 174	99.4	PASS
177	5 - 9% of 176	6.38	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E04020

SDG: KNM040512

Project: KNM

Calibration: 2E03002

Instrument: 224

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E04020-TUN1	BFB0503A.D	05/03/12 07:41
Calibration Check	2E04020-CCV1	CCV0503.D	05/03/12 08:08
LCS	1205579-BS1	BS0503.D	05/03/12 08:36
Blank	1205579-BLK1	BLK0503.D	05/03/12 09:31
106053	1204454-01	1204454-01.D	05/03/12 16:25
106054	1204454-02	1204454-02.D	05/03/12 16:53

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2D06026
Sequence: 2D06049
Instrument: 328

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D06049-CCV1)			**Lab File ID: CCV0406.D**			**Analyzed: 04/06/12 08:11**			
Fluorobenzene	**618446**	**5.842**	**626532**	**5.854**	**99**	**50 - 200**	**-0.0120**	**+/-0.50**	
Chlorobenzene-d5	**524283**	**10.274**	**523928**	**10.28**	**100**	**50 - 200**	**-0.0060**	**+/-0.50**	
1,4-Dichlorobenzene-d4	**348838**	**13.273**	**350457**	**13.279**	**100**	**50 - 200**	**-0.0060**	**+/-0.50**	
LCS (1204318-BS1)			**Lab File ID: BS0406.D**			**Analyzed: 04/06/12 08:38**			
Fluorobenzene	**646969**	**5.848**	**618446**	**5.854**	**105**	**50 - 200**	**-0.0060**	**+/-0.50**	
Chlorobenzene-d5	**545544**	**10.274**	**524283**	**10.28**	**104**	**50 - 200**	**-0.0060**	**+/-0.50**	
1,4-Dichlorobenzene-d4	**358608**	**13.273**	**348838**	**13.279**	**103**	**50 - 200**	**-0.0060**	**+/-0.50**	
Blank (1204318-BLK1)			**Lab File ID: BLK0406.D**			**Analyzed: 04/06/12 09:33**			
Fluorobenzene	**600591**	**5.842**	**618446**	**5.854**	**97**	**50 - 200**	**-0.0120**	**+/-0.50**	
Chlorobenzene-d5	**503519**	**10.274**	**524283**	**10.28**	**96**	**50 - 200**	**-0.0060**	**+/-0.50**	
1,4-Dichlorobenzene-d4	**301931**	**13.273**	**348838**	**13.279**	**87**	**50 - 200**	**-0.0060**	**+/-0.50**	
KAFB-003 (1204091-01)			**Lab File ID: 1204091-01.D**			**Analyzed: 04/06/12 16:57**			
Fluorobenzene	**487178**	**5.848**	**618446**	**5.854**	**79**	**50 - 200**	**-0.0060**	**+/-0.50**	
Chlorobenzene-d5	**412359**	**10.274**	**524283**	**10.28**	**79**	**50 - 200**	**-0.0060**	**+/-0.50**	
1,4-Dichlorobenzene-d4	**254888**	**13.279**	**348838**	**13.279**	**73**	**50 - 200**	**0.0000**	**+/-0.50**	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2D17013
Sequence: 2D17013
Instrument: 224

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D17013-CCV1)			**Lab File ID: CCV0416C.D**			**Analyzed: 04/16/12 18:23**			
Fluorobenzene	753295	6.76	745510	6.76	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	638362	10.94	635049	10.94	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	364435	13.89	364299	13.89	100	50 - 200	0.0000	+/-0.50	
LCS (1204730-BS1)			**Lab File ID: BS0416C.D**			**Analyzed: 04/16/12 18:51**			
Fluorobenzene	778310	6.76	753295	6.76	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	656771	10.94	638362	10.94	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	377883	13.89	364435	13.89	104	50 - 200	0.0000	+/-0.50	
Blank (1204730-BLK1)			**Lab File ID: BLK0416C.D**			**Analyzed: 04/16/12 19:46**			
Fluorobenzene	759884	6.76	753295	6.76	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	632228	10.94	638362	10.94	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	348563	13.89	364435	13.89	96	50 - 200	0.0000	+/-0.50	
106042 (1204205-01)			**Lab File ID: 1204205-01.D**			**Analyzed: 04/17/12 02:45**			
Fluorobenzene	755002	6.76	753295	6.76	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	664017	10.94	638362	10.94	104	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	355344	13.89	364435	13.89	98	50 - 200	0.0000	+/-0.50	
106089 (1204205-02)			**Lab File ID: 1204205-02.D**			**Analyzed: 04/17/12 03:14**			
Fluorobenzene	736387	6.76	753295	6.76	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	627517	10.94	638362	10.94	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	341295	13.89	364435	13.89	94	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2D24048

SDG: KNM040512
Project: KNM
Calibration: 2D20002
Instrument: 323

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (1205092-BS1)			**Lab File ID: CCV0423A.D**			**Analyzed: 04/23/12 09:53**			
Fluorobenzene	1346324	5.45	1371558	5.45	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1084425	9.92	1096399	9.92	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	688854	12.86	700390	12.87	98	50 - 200	-0.0100	+/-0.50	
Calibration Check (2D24048-CCV1)			**Lab File ID: CCV0423A.D**			**Analyzed: 04/23/12 09:53**			
Fluorobenzene	1346324	5.45	1371558	5.45	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1084425	9.92	1096399	9.92	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	688854	12.86	700390	12.87	98	50 - 200	-0.0100	+/-0.50	
LCS Dup (1205092-BSD1)			**Lab File ID: BSD0423A.D**			**Analyzed: 04/23/12 10:20**			
Fluorobenzene	1344254	5.46	1346324	5.45	100	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1090043	9.92	1084425	9.92	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	697261	12.86	688854	12.87	101	50 - 200	-0.0100	+/-0.50	
Blank (1205092-BLK1)			**Lab File ID: BLK0423A.D**			**Analyzed: 04/23/12 11:15**			
Fluorobenzene	1317874	5.46	1346324	5.45	98	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1082398	9.92	1084425	9.92	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	691716	12.86	688854	12.87	100	50 - 200	-0.0100	+/-0.50	
Instrument RL Check (2D24048-CRL1)			**Lab File ID: MRL1P0423A.D**			**Analyzed: 04/23/12 11:43**			
Fluorobenzene	1296443	5.46	1346324	5.45	96	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1055441	9.92	1084425	9.92	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	690957	12.87	688854	12.87	100	50 - 200	0.0000	+/-0.50	
Instrument RL Check (2D24048-CRL2)			**Lab File ID: MRL5P0423A.D**			**Analyzed: 04/23/12 12:11**			
Fluorobenzene	1286285	5.46	1346324	5.45	96	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1058890	9.92	1084425	9.92	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	689990	12.87	688854	12.87	100	50 - 200	0.0000	+/-0.50	
106058 (1204329-01)			**Lab File ID: 1204329-01.D**			**Analyzed: 04/23/12 19:09**			
Fluorobenzene	1215124	5.46	1346324	5.45	90	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1002804	9.92	1084425	9.92	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	646924	12.87	688854	12.87	94	50 - 200	0.0000	+/-0.50	
Instrument RL Check (2D24048-CRL3)			**Lab File ID: MRL1P0423B.D**			**Analyzed: 04/23/12 19:37**			
Fluorobenzene	1230788	5.46	1346324	5.45	91	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1007852	9.92	1084425	9.92	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	664449	12.86	688854	12.87	96	50 - 200	-0.0100	+/-0.50	
Instrument RL Check (2D24048-CRL4)			**Lab File ID: MRL5P0423B.D**			**Analyzed: 04/23/12 20:05**			
Fluorobenzene	1253124	5.46	1346324	5.45	93	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1032956	9.92	1084425	9.92	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	678582	12.87	688854	12.87	99	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2E03002
Sequence: 2E04020
Instrument: 224

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E04020-CCV1)			**Lab File ID: CCV0503.D**			**Analyzed: 05/03/12 08:08**			
Fluorobenzene	718309	6.76	891231	6.76	81	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	564167	10.94	696631	10.94	81	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	306150	13.89	395644	13.89	77	50 - 200	0.0000	+/-0.50	
LCS (1205579-BS1)			**Lab File ID: BS0503.D**			**Analyzed: 05/03/12 08:36**			
Fluorobenzene	703338	6.77	718309	6.76	98	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	550271	10.94	564167	10.94	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	301423	13.89	306150	13.89	98	50 - 200	0.0000	+/-0.50	
Blank (1205579-BLK1)			**Lab File ID: BLK0503.D**			**Analyzed: 05/03/12 09:31**			
Fluorobenzene	699124	6.76	718309	6.76	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	543088	10.94	564167	10.94	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	288936	13.89	306150	13.89	94	50 - 200	0.0000	+/-0.50	
106053 (1204454-01)			**Lab File ID: 1204454-01.D**			**Analyzed: 05/03/12 16:25**			
Fluorobenzene	685070	6.76	718309	6.76	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	536170	10.94	564167	10.94	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	285631	13.89	306150	13.89	93	50 - 200	0.0000	+/-0.50	
106054 (1204454-02)			**Lab File ID: 1204454-02.D**			**Analyzed: 05/03/12 16:53**			
Fluorobenzene	683093	6.76	718309	6.76	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	535541	10.94	564167	10.94	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	286318	13.89	306150	13.89	94	50 - 200	0.0000	+/-0.50	

HOLDING TIME SUMMARY
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

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
KAFB-003	04/04/12	04/05/12		04/06/12	2	NA	04/06/12	2	14	
106042	04/10/12	04/11/12		04/16/12	6	NA	04/17/12	7	14	
106089	04/10/12	04/11/12		04/16/12	6	NA	04/17/12	7	14	
106058	04/17/12	04/18/12		04/23/12	6	NA	04/23/12	6	14	
106053	04/24/12	04/25/12		05/03/12	9	NA	05/03/12	9	14	
106054	04/24/12	04/25/12		05/03/12	9	NA	05/03/12	9	14	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

KAFB-003

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204091-01 File ID: 1204091-01.D

Sampled: 04/04/12 13:31 Prepared: 04/06/12 07:00 Analyzed: 04/06/12 16:57

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

QC Batch: 1204318 Sequence: 2D06049 Calibration: 2D06026 Instrument: 328

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
67-64-1	Acetone	1	3.0	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	1.1	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

KAFB-003

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204091-01 File ID: 1204091-01.D

Sampled: 04/04/12 13:31 Prepared: 04/06/12 07:00 Analyzed: 04/06/12 16:57

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

QC Batch: 1204318 Sequence: 2D06049 Calibration: 2D06026 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	41.7	104	85 - 118	
1,2-Dichloroethane-d4	40.0	42.7	107	87 - 122	
Toluene-d8	40.0	39.2	98	85 - 113	
4-Bromofluorobenzene	40.0	37.3	93	82 - 110	

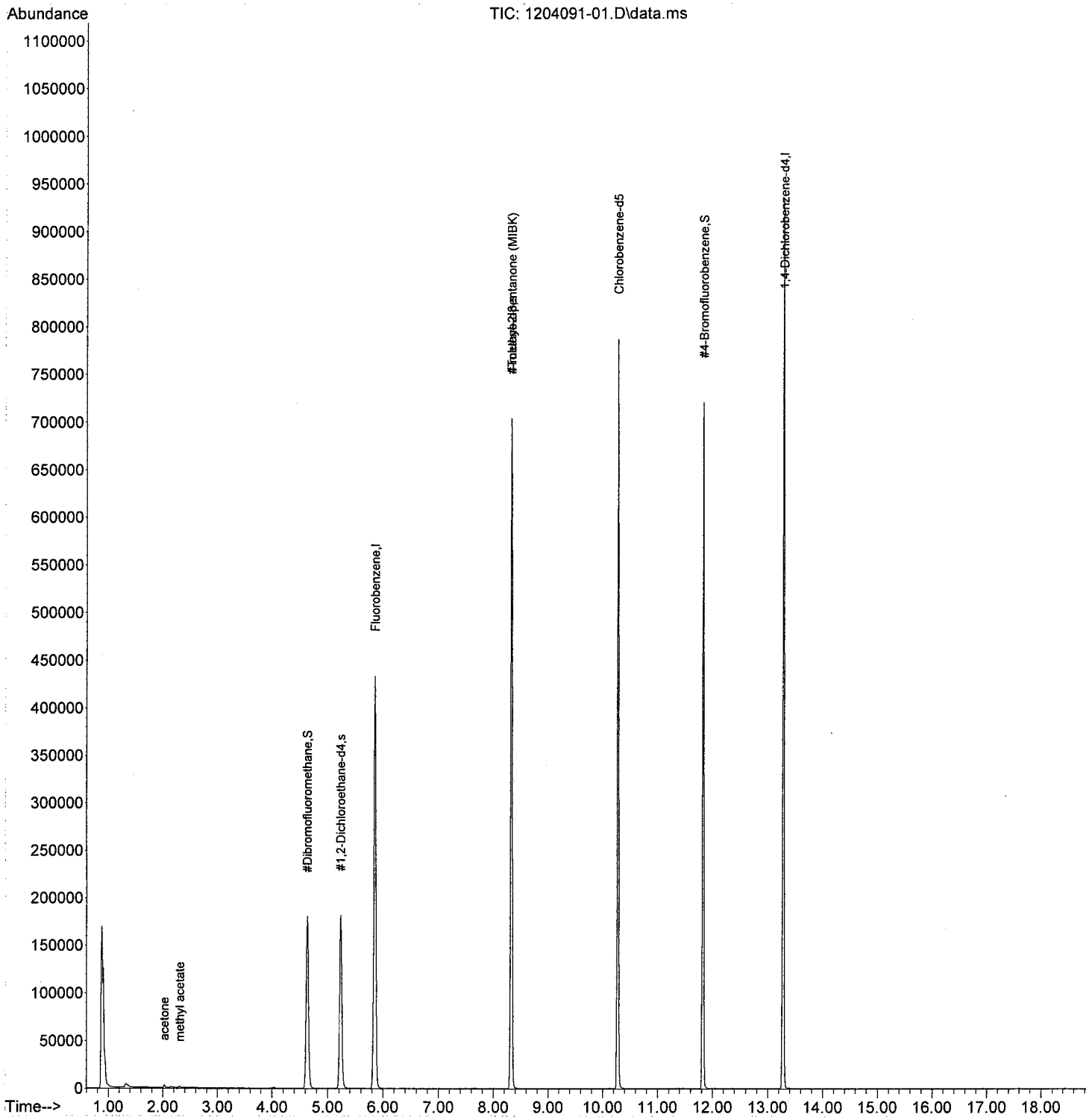
Internal Standard	Area	RT	% REC.	Ref. RT	Q
Fluorobenzene	487178	5.848	79	5.854	
Chlorobenzene-d5	412359	10.274	79	10.28	
1,4-Dichlorobenzene-d4	254888	13.279	73	13.279	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : 1204091-01.D
Acq On : 6 Apr 2012 16:57
Operator : DLV
Sample : 1204091-01
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 06 18:09:43 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration



00728

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : 1204091-01.D
Acq On : 6 Apr 2012 16:57
Operator : DLV
Sample : 1204091-01
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 06 18:09:43 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.848	96	487178	40.00	ug/L	0.00
51) Chlorobenzene-d5	10.274	117	412359	40.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.279	152	254888	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	4.629	111	157815	41.70	ug/L	-0.01
Spiked Amount 40.000			Recovery =	104.25%		
37) #1,2-Dichloroethane-d4	5.232	67	98460	42.70	ug/L	0.00
Spiked Amount 40.000			Recovery =	106.75%		
47) #Toluene-d8	8.323	98	491617	39.15	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.88%		
65) #4-Bromofluorobenzene	11.822	95	213851	37.34	ug/L	0.00
Spiked Amount 40.000			Recovery =	93.35%		
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	3956	3.03	ug/L #	52
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	2.306	43	2207	1.09	ug/L #	59
17) methylene chloride	0.000		0	N.D.		
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	5.848	57	16883	No Calib		
38) trichloroethene	0.000		0	N.D.		

00729

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : 1204091-01.D
Acq On : 6 Apr 2012 16:57
Operator : DLV
Sample : 1204091-01
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 06 18:09:43 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration

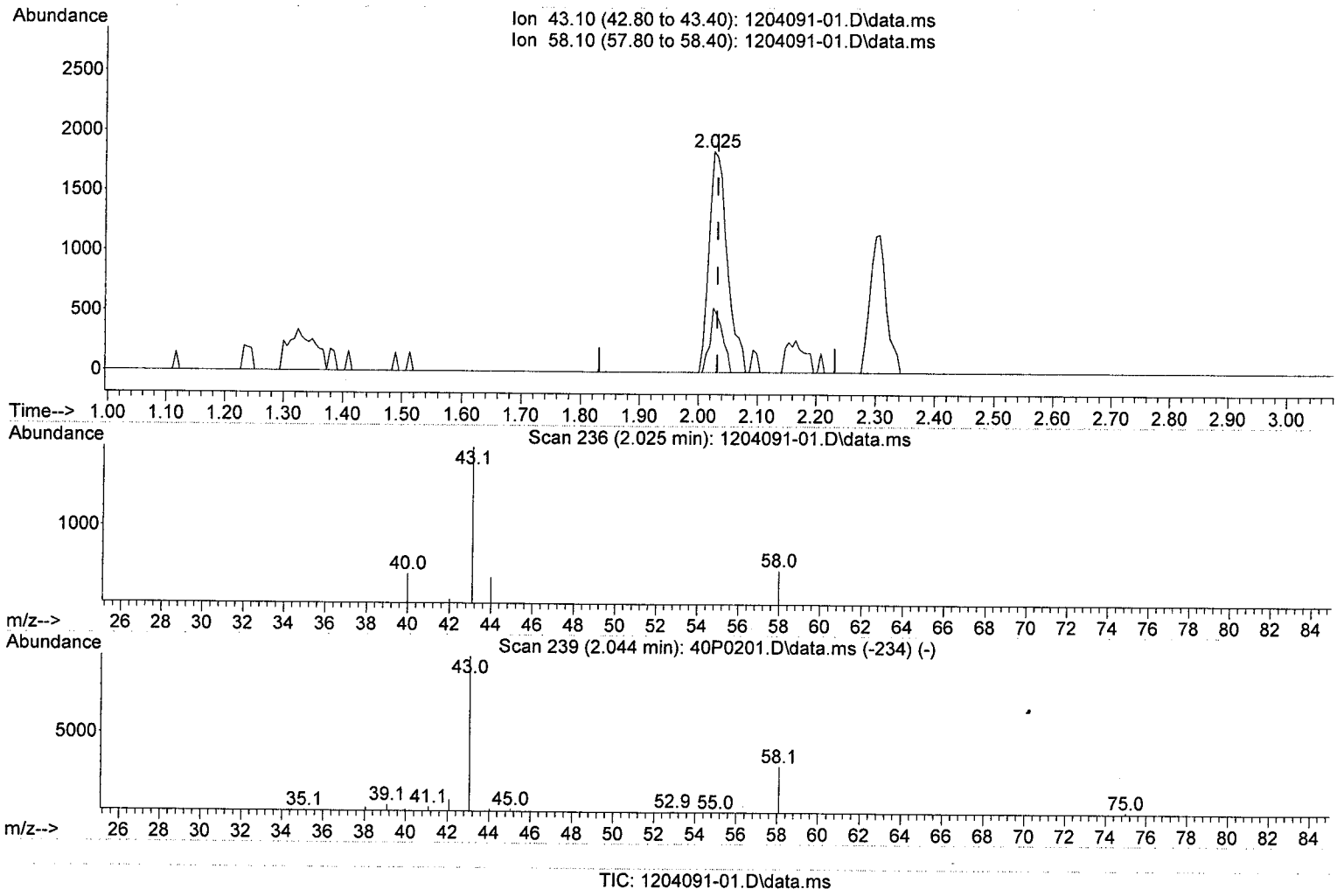
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) 1,4-dioxane	0.000		0	N.D.	
43) bromodichloromethane	0.000		0	N.D.	
44) 2-chloroethyl vinyl ether	0.000		0	N.D.	
45) cis-1,3-dichloropropene	0.000		0	N.D.	
46) 4-methyl-2-pentanone (...	8.323	43	1592	2.44 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	0.000		0	N.D.	
80) 4-isopropyltoluene	0.000		0	N.D.	
81) 1,4-dichlorobenzene	0.000		0	N.D.	
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	0.000		0	N.D.	
89) 1,2,3-trichlorobenzene	0.000		0	N.D.	
90) 2-methylnaphthalene	0.000		0	N.D.	

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : 1204091-01.D
Acq On : 6 Apr 2012 16:57
Operator : DLV
Sample : 1204091-01
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 06 18:09:43 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration



TIC: 1204091-01.D\data.ms

(13) acetone

2.025min (-0.007) 3.03 ug/L

response 3956

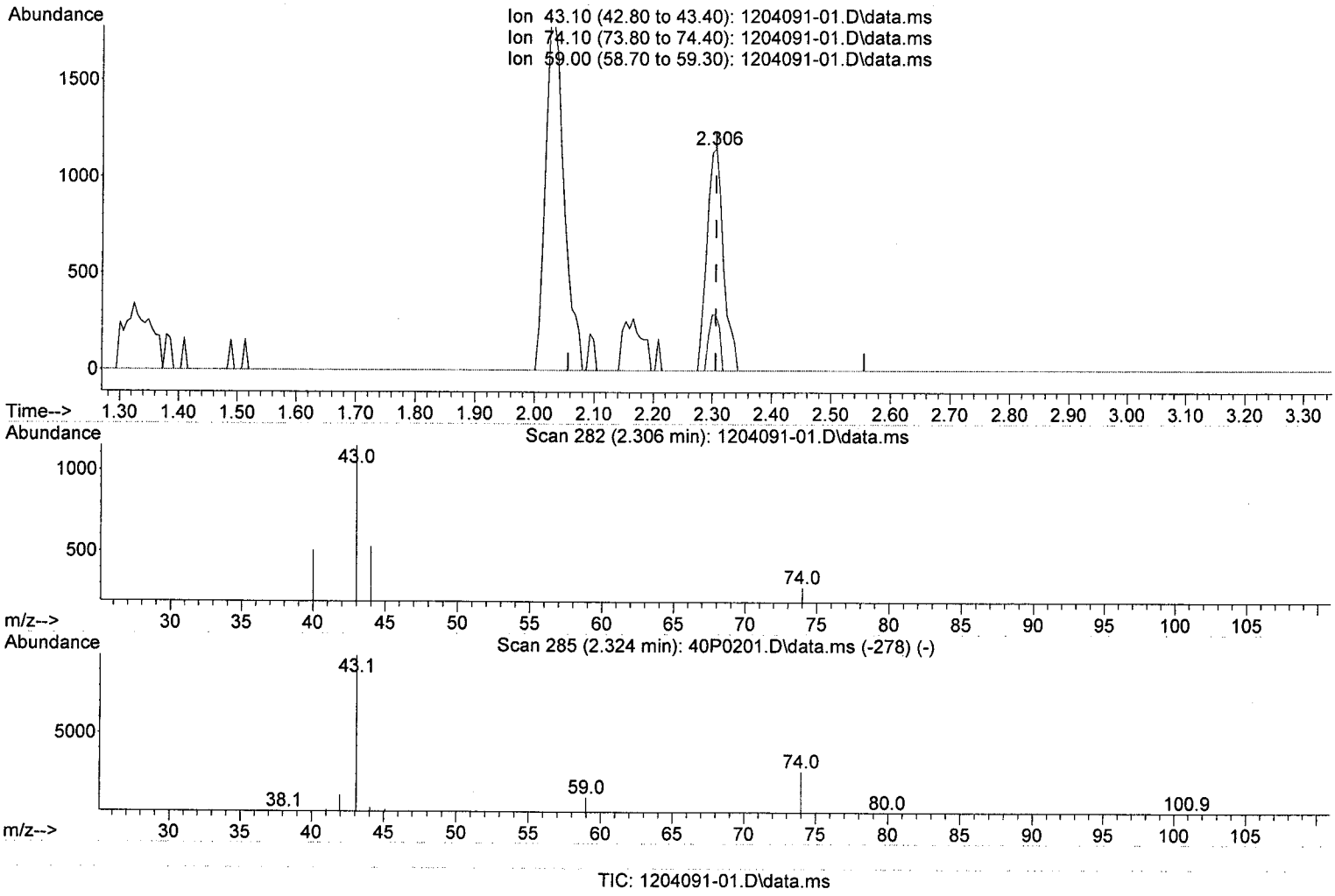
Ion	Exp%	Act%
43.10	100	100
58.10	23.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

00731

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : 1204091-01.D
Acq On : 6 Apr 2012 16:57
Operator : DLV
Sample : 1204091-01
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 06 18:09:43 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration



TIC: 1204091-01.D\data.ms

(16) methyl acetate

2.306min (-0.000) 1.09 ug/L

response 2207

Ion	Exp%	Act%
43.10	100	100
74.10	23.10	0.00#
59.00	9.30	0.00
0.00	0.00	0.00

00732

ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106042

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204205-01 File ID: 1204205-01.D

Sampled: 04/10/12 13:48 Prepared: 04/16/12 17:00 Analyzed: 04/17/12 02:45

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

QC Batch: 1204730 Sequence: 2D17013 Calibration: 2D17013 Instrument: 224

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
67-64-1	Acetone	1	3.9	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	0.50	0.15	1.0	J
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	0.56	0.21	1.0	J
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

106042

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204205-01 File ID: 1204205-01.D

Sampled: 04/10/12 13:48 Prepared: 04/16/12 17:00 Analyzed: 04/17/12 02:45

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

QC Batch: 1204730 Sequence: 2D17013 Calibration: 2D17013 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	39.9	100	85 - 118	
1,2-Dichloroethane-d4	40.0	39.4	99	87 - 122	
Toluene-d8	40.0	40.4	101	85 - 113	
4-Bromofluorobenzene	40.0	38.9	97	82 - 110	

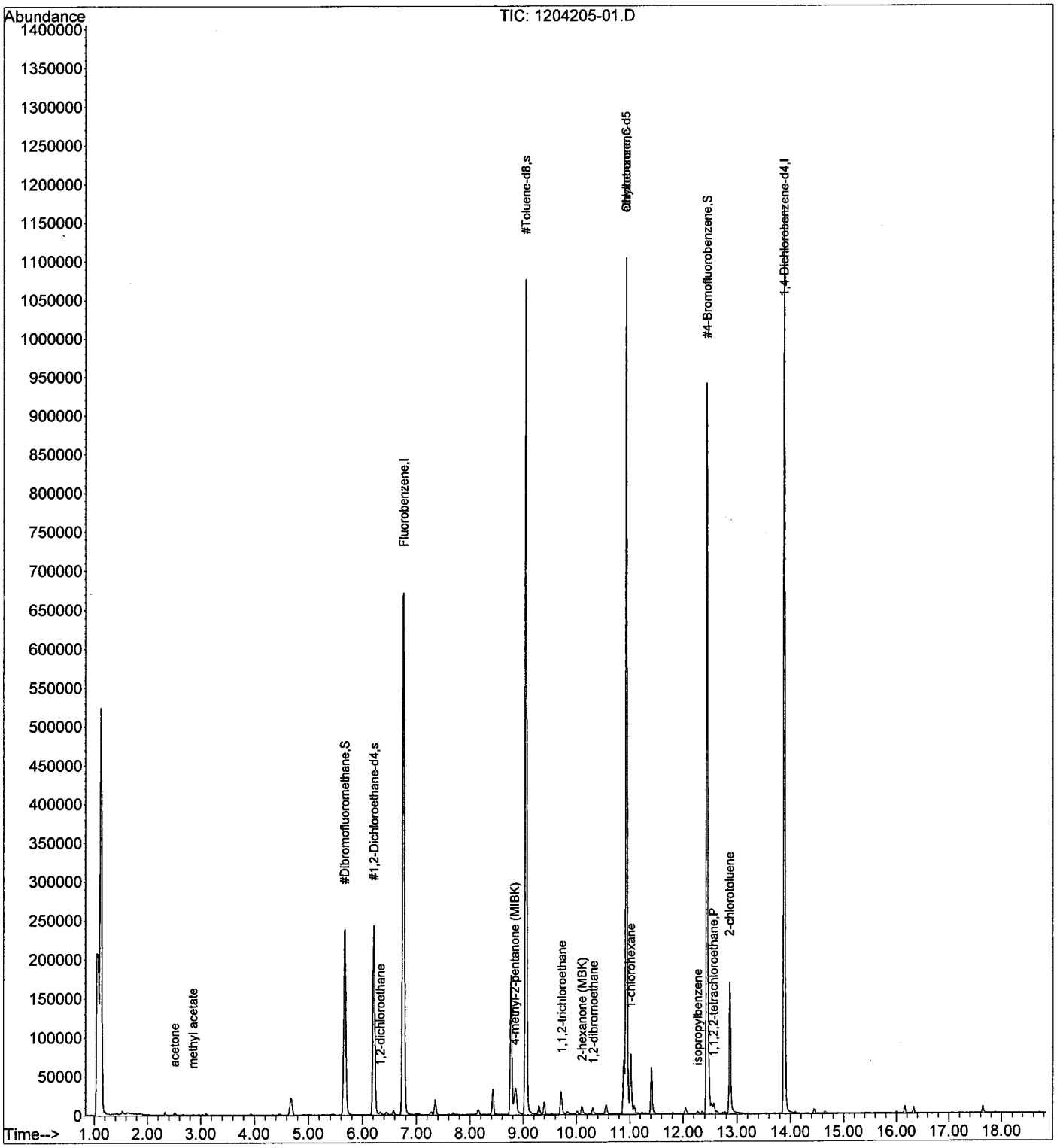
Internal Standard	Area	RT	% REC.	Ref. RT	Q
Fluorobenzene	755002	6.76	100	6.76	
Chlorobenzene-d5	664017	10.94	104	10.94	
1,4-Dichlorobenzene-d4	355344	13.89	98	13.89	

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-16-12\
InstName : 224
Data File : 1204205-01.D
Acq On : 17 Apr 2012 2:45
Operator : DLV
Sample : 1204205-01
Misc : TL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 17 03:04:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration



00735

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-16-12\
InstName : 224
Data File : 1204205-01.D
Acq On : 17 Apr 2012 2:45
Operator : DLV
Sample : 1204205-01
Misc : TL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 17 03:04:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	755002	40.00	ug/L	0.00 101.27%
51) Chlorobenzene-d5	10.94	117	664017	40.00	ug/L	0.00 104.56%
66) 1,4-Dichlorobenzene-d4	13.89	152	355344	40.00	ug/L	0.00 97.54%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.67	111	200365	39.93	ug/L	-0.01
Spiked Amount 40.000			Recovery =	99.83%		
37) #1,2-Dichloroethane-d4	6.21	65	238657	39.43	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.58%		
47) #Toluene-d8	9.06	98	808094	40.44	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.10%		
65) #4-Bromofluorobenzene	12.44	95	330196	38.88	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.20%		
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	2.52	43	4681	3.90	ug/L	96
14) iodomethane	0.00	142	0	N.D.		
15) carbon disulfide	0.00	76	0	N.D.		
16) methyl acetate	2.86	43	1609	~~0.68~~	ug/L #	59
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	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	6.34	62	3772	0.56	ug/L #	76
36) heptane	6.75	57	25909	No Calib	#	

00736

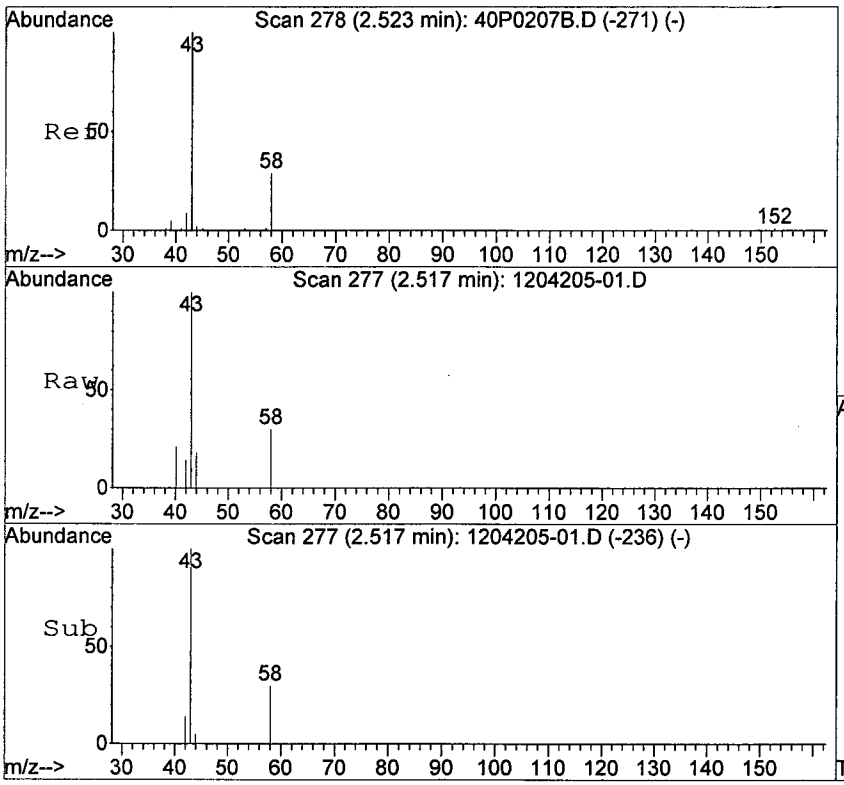
Data Path : C:\MSDChem\1\DATA\04-16-12\
InstName : 224
Data File : 1204205-01.D
Acq On : 17 Apr 2012 2:45
Operator : DLV
Sample : 1204205-01
Misc : TL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 17 03:04:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 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 (MIBK	8.84	43	15895	~~7.14~~	ug/L	#	48
48) toluene	0.00	91	0	N.D.			
49) trans-1,3-dichloropropen	0.00	75	0	N.D.			
50) 1,1,2-trichloroethane	9.74	83	1999	~~0.69~~	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)	10.11	43	3346	~~1.51~~	ug/L	#	32
55) dibromochloromethane	0.00	129	0	N.D.			
56) 1,2-dibromoethane	10.33	109	1745	0.50	ug/L	#	90
57) chlorobenzene	0.00	112	0	N.D.			
58) 1-chlorohexane	11.02	55	23842	4.92	ug/L	#	1
59) 1,1,1,2-tetrachloroethan	0.00	131	0	N.D.			
60) ethylbenzene	10.94	91	1534	0.06	ug/L	#	43
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	12.27	105	2361	0.12	ug/L	#	48
68) bromobenzene	0.00	77	0	N.D.			
69) 1,1,2,2-tetrachloroethane	12.57	83	4102	~~0.97~~	ug/L	#	18
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	12.87	126	6006	1.21	ug/L	#	1
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

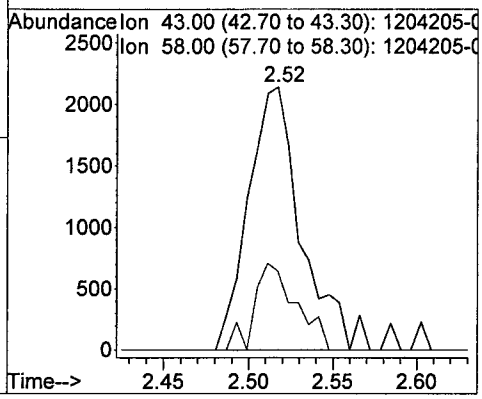
00737

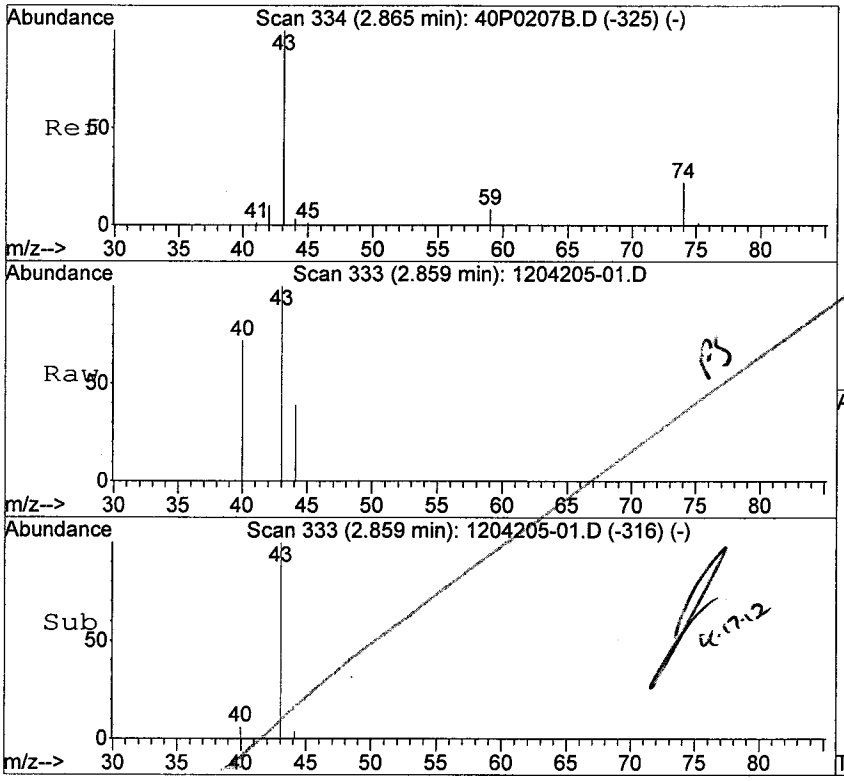


#13
acetone
Concen: 3.90 ug/L
RT: 2.52 min Scan# 277
Delta R.T. 0.00 min
Lab File: 1204205-01.D
Acq: 17 Apr 2012 2:45

Tgt Ion: 43 Resp: 4681

Ion	Ratio	Lower	Upper
43	100		
58	26.1	8.0	48.0

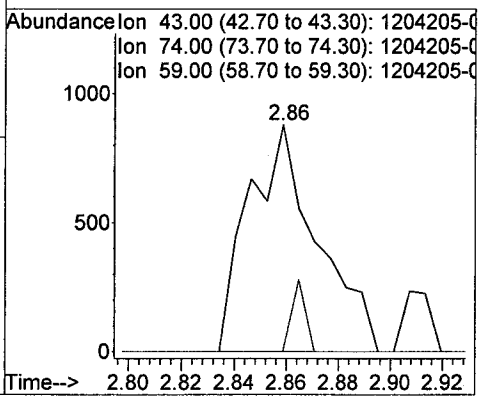


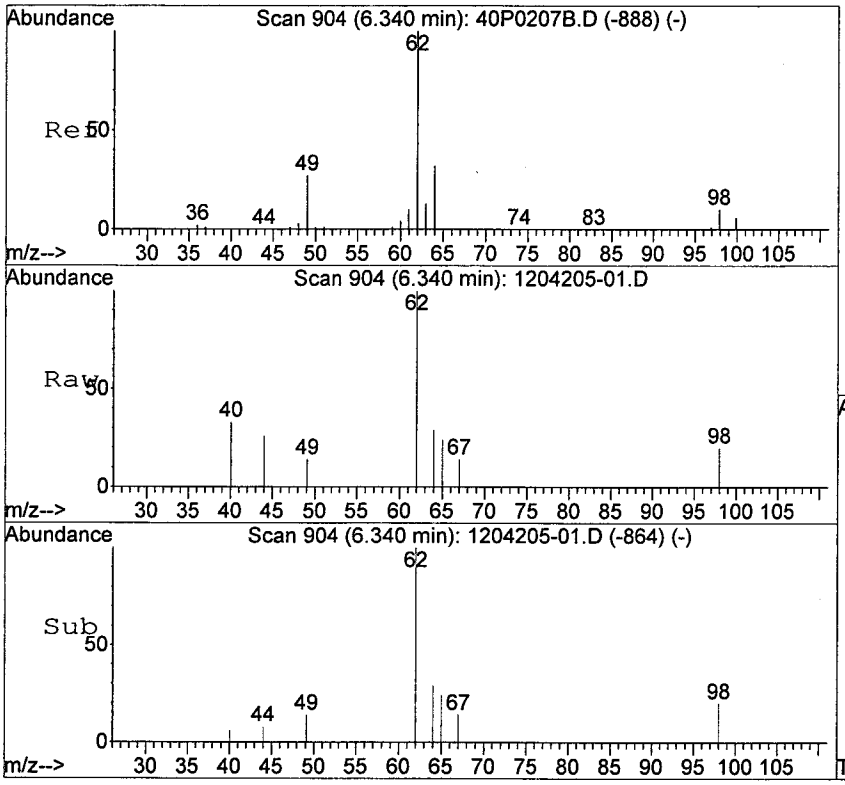


#16
methyl acetate
Concen: 0.68 ug/L
RT: 2.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: 1204205-01.D
Acq: 17 Apr 2012 2:45

Tgt Ion: 43 Resp: 1609

Ion	Ratio	Lower	Upper
43	100		
74	0.0	2.6	42.6#
59	0.0	0.0	28.4

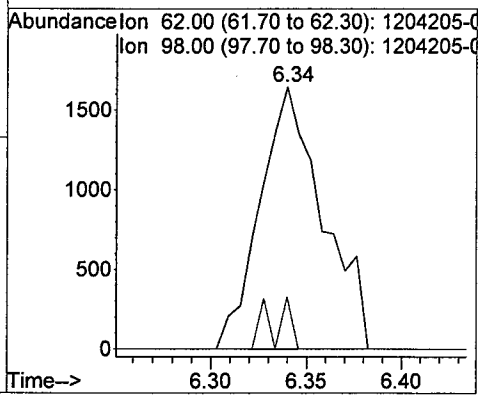


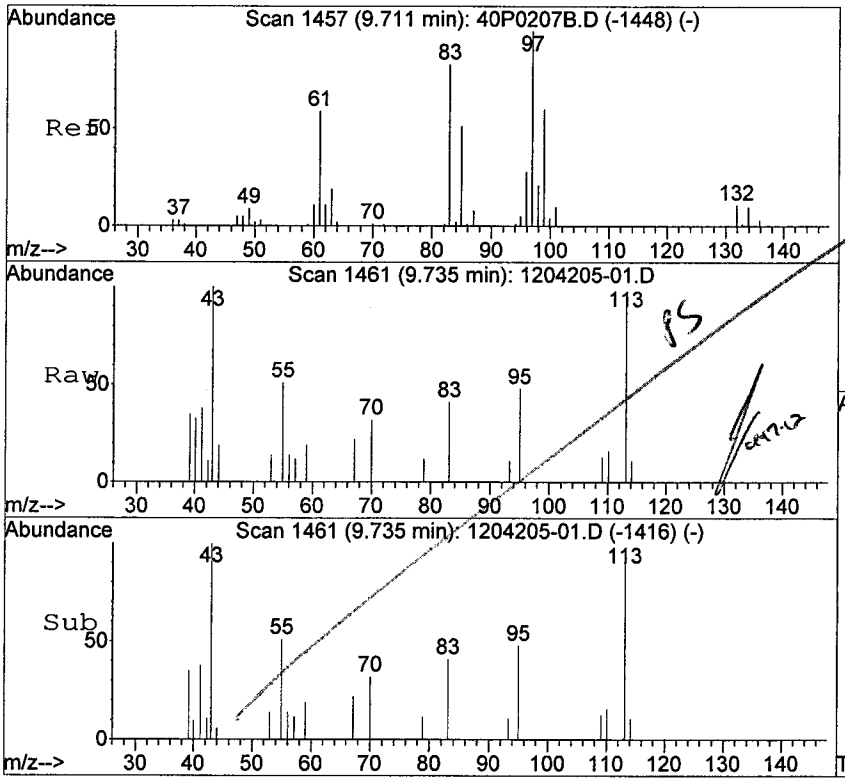


#35
1,2-dichloroethane
Concen: 0.56 ug/L
RT: 6.34 min Scan# 904
Delta R.T. -0.01 min
Lab File: 1204205-01.D
Acq: 17 Apr 2012 2:45

Tgt Ion: 62 Resp: 3772

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	28.5

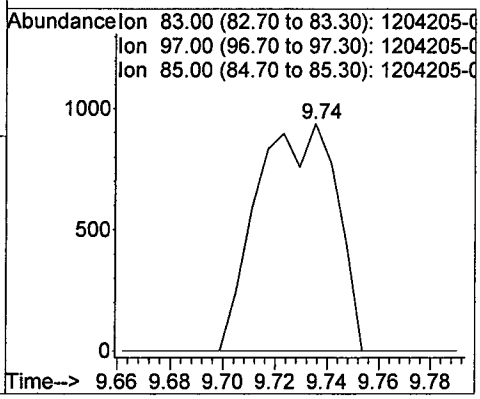


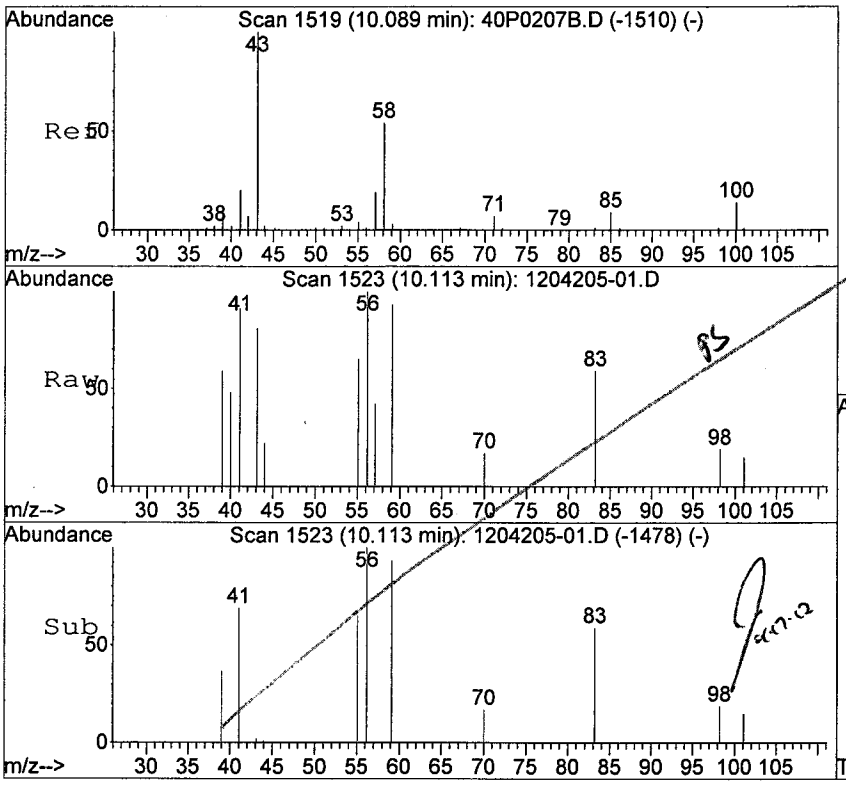


#50
1,1,2-trichloroethane
Concen: 0.69 ug/L
RT: 9.74 min Scan# 1461
Delta R.T. 0.02 min
Lab File: 1204205-01.D
Acq: 17 Apr 2012 2:45

Tgt Ion: 83 Resp: 1999

Ion	Ratio	Lower	Upper
83	100		
97	0.0	103.0	143.0#
85	0.0	44.7	84.7#

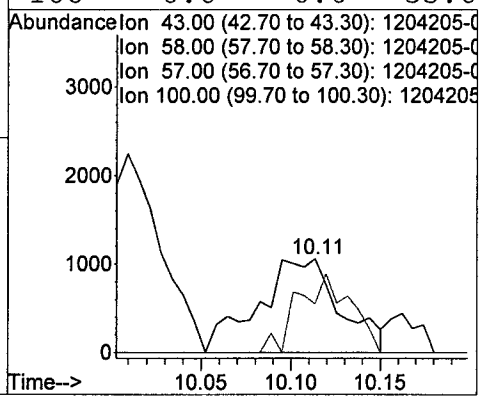


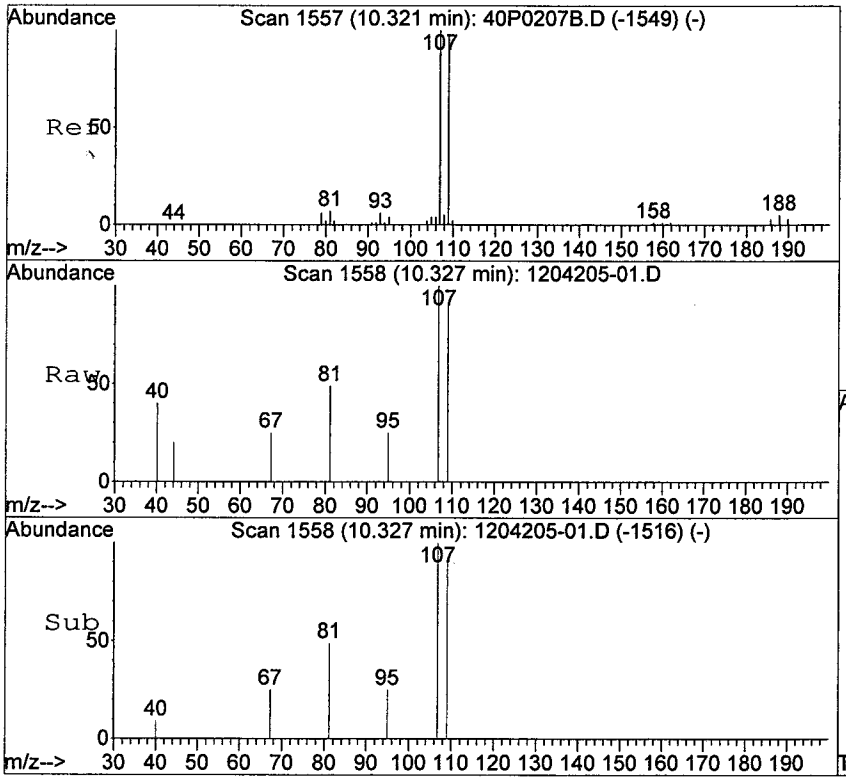


#54
2-hexanone (MBK)
Concen: 1.51 ug/L
RT: 10.11 min Scan# 1523
Delta R.T. 0.03 min
Lab File: 1204205-01.D
Acq: 17 Apr 2012 2:45

Tgt Ion: 43 Resp: 3346

Ion	Ratio	Lower	Upper
43	100		
58	0.0	32.4	72.4#
57	54.2	0.0	39.3#
100	0.0	0.0	33.0

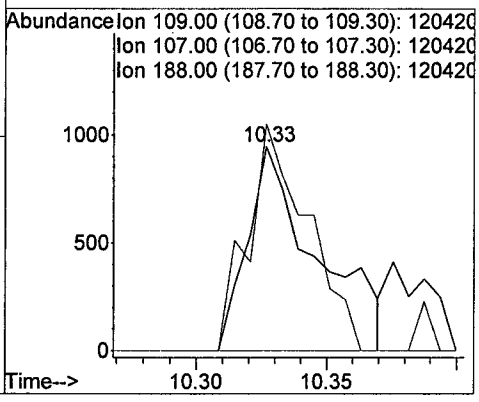




#56
1,2-dibromoethane
Concen: 0.50 ug/L
RT: 10.33 min Scan# 1558
Delta R.T. 0.01 min
Lab File: 1204205-01.D
Acq: 17 Apr 2012 2:45

Tgt Ion:109 Resp: 1745

Ion	Ratio	Lower	Upper
109	100		
107	95.7	86.3	126.3
188	0.0	0.0	25.2



ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106089

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204205-02 File ID: 1204205-02.D

Sampled: 04/10/12 14:45 Prepared: 04/16/12 17:00 Analyzed: 04/17/12 03:14

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

QC Batch: 1204730 Sequence: 2D17013 Calibration: 2D17013 Instrument: 224

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
67-64-1	Acetone	1	1.3	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	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

106089

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204205-02 File ID: 1204205-02.D

Sampled: 04/10/12 14:45 Prepared: 04/16/12 17:00 Analyzed: 04/17/12 03:14

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

QC Batch: 1204730 Sequence: 2D17013 Calibration: 2D17013 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	40.2	100	85 - 118	
1,2-Dichloroethane-d4	40.0	39.7	99	87 - 122	
Toluene-d8	40.0	39.4	98	85 - 113	
4-Bromofluorobenzene	40.0	38.3	96	82 - 110	

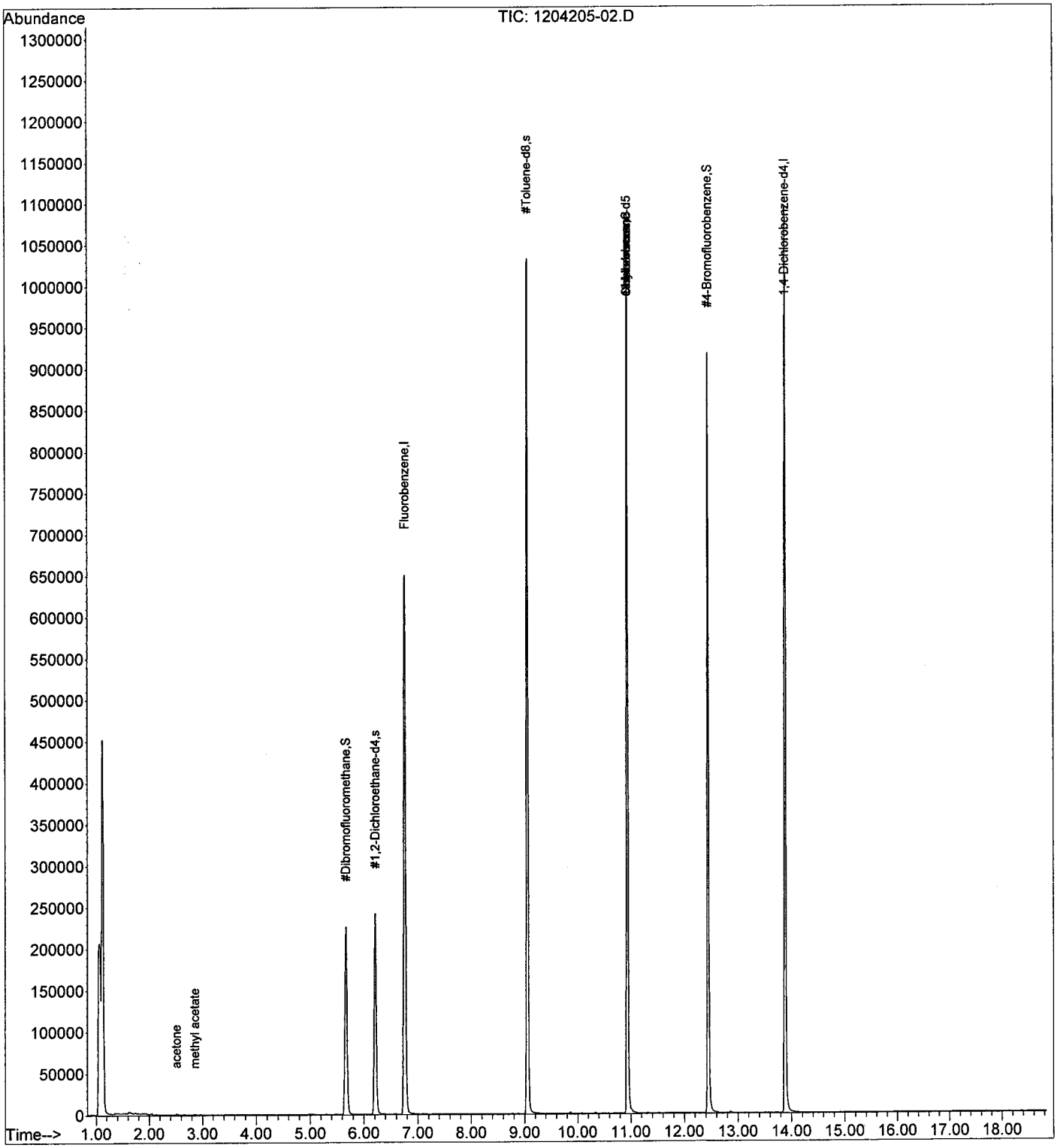
Internal Standard	Area	RT	% REC.	Ref. RT	Q
Fluorobenzene	736387	6.76	98	6.76	
Chlorobenzene-d5	627517	10.94	98	10.94	
1,4-Dichlorobenzene-d4	341295	13.89	94	13.89	

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-16-12\
InstName : 224
Data File : 1204205-02.D
Acq On : 17 Apr 2012 3:14
Operator : DLV
Sample : 1204205-02
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 17 03:33:33 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration



00743

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-16-12\
InstName : 224
Data File : 1204205-02.D
Acq On : 17 Apr 2012 3:14
Operator : DLV
Sample : 1204205-02
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 17 03:33:33 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	736387	40.00	ug/L	0.00 98.78%
51) Chlorobenzene-d5	10.94	117	627517	40.00	ug/L	0.00 98.81%
66) 1,4-Dichlorobenzene-d4	13.89	152	341295	40.00	ug/L	0.00 93.69%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.67	111	196618	40.17	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.43%		
37) #1,2-Dichloroethane-d4	6.21	65	234173	39.67	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.17%		
47) #Toluene-d8	9.06	98	767777	39.40	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.50%		
65) #4-Bromofluorobenzene	12.45	95	307461	38.31	ug/L	0.00
Spiked Amount 40.000			Recovery =	95.78%		
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	2.51	43	1538	1.31	ug/L #	47
14) iodomethane	0.00	142	0	N.D.		
15) carbon disulfide	0.00	76	0	N.D.		
16) methyl acetate	2.86	43	1416	~~0.61~~	ug/L #	59
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	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	6.76	57	24829	No Calib	#	

00744

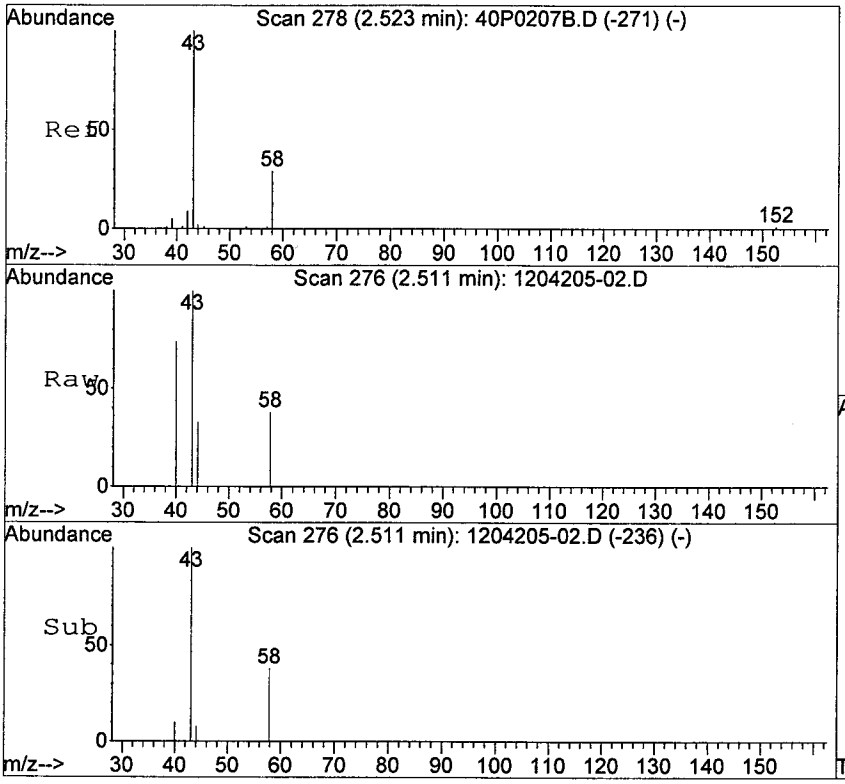
Data Path : C:\MSDChem\1\DATA\04-16-12\
InstName : 224
Data File : 1204205-02.D
Acq On : 17 Apr 2012 3:14
Operator : DLV
Sample : 1204205-02
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 17 03:33:33 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 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	10.94	55	6288	1.37	ug/L #	11
59) 1,1,1,2-tetrachloroethan	0.00	131	0	N.D.		
60) ethylbenzene	10.93	91	1239	0.06	ug/L #	43
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

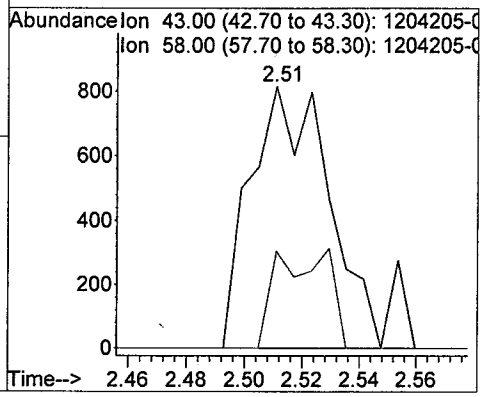
00745

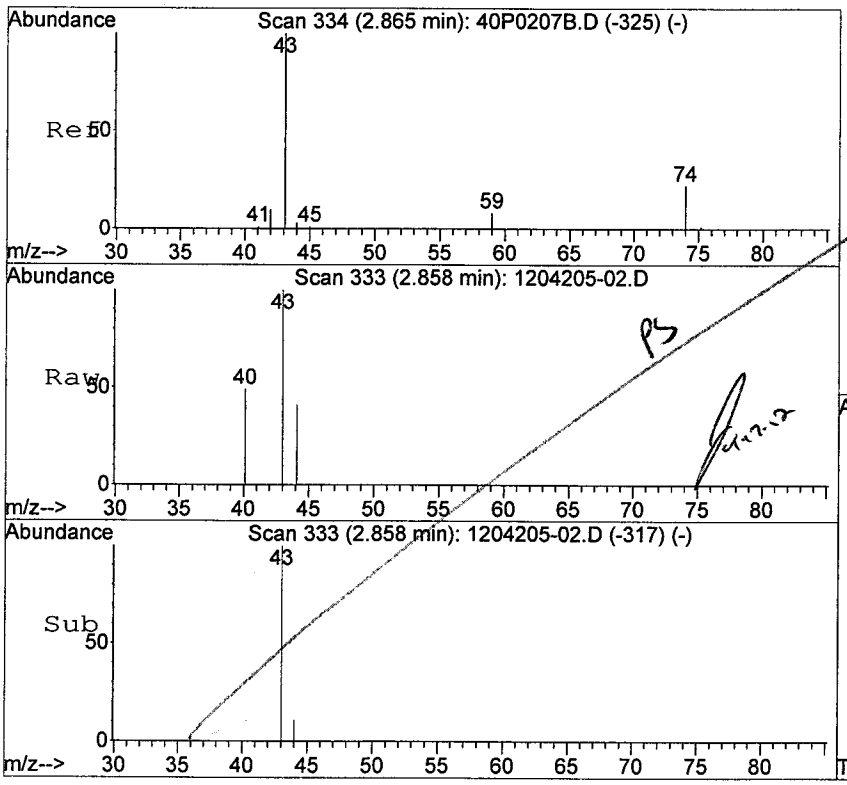


#13
acetone
Concen: 1.31 ug/L
RT: 2.51 min Scan# 276
Delta R.T. -0.01 min
Lab File: 1204205-02.D
Acq: 17 Apr 2012 3:14

Tgt Ion: 43 Resp: 1538

Ion	Ratio	Lower	Upper
43	100		
58	0.0	8.0	48.0#

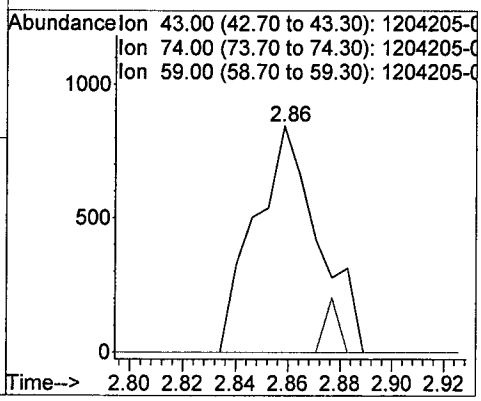




#16
methyl acetate
Concen: 0.61 ug/L
RT: 2.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: 1204205-02.D
Acq: 17 Apr 2012 3:14

Tgt Ion: 43 Resp: 1416

Ion	Ratio	Lower	Upper
43	100		
74	0.0	2.6	42.6#
59	0.0	0.0	28.4



ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106058

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204329-01 File ID: 1204329-01.D

Sampled: 04/17/12 12:31 Prepared: 04/23/12 08:00 Analyzed: 04/23/12 19:09

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

QC Batch: 1205092 Sequence: 2D24048 Calibration: 2D20002 Instrument: 323

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	0.47	0.15	1.0	J
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

106058

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204329-01 File ID: 1204329-01.D

Sampled: 04/17/12 12:31 Prepared: 04/23/12 08:00 Analyzed: 04/23/12 19:09

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

QC Batch: 1205092 Sequence: 2D24048 Calibration: 2D20002 Instrument: 323

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	0.30	0.18	1.0	J
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	41.2	103	85 - 118	
1,2-Dichloroethane-d4	40.0	42.4	106	87 - 122	
Toluene-d8	40.0	39.6	99	85 - 113	
4-Bromofluorobenzene	40.0	40.2	100	82 - 110	

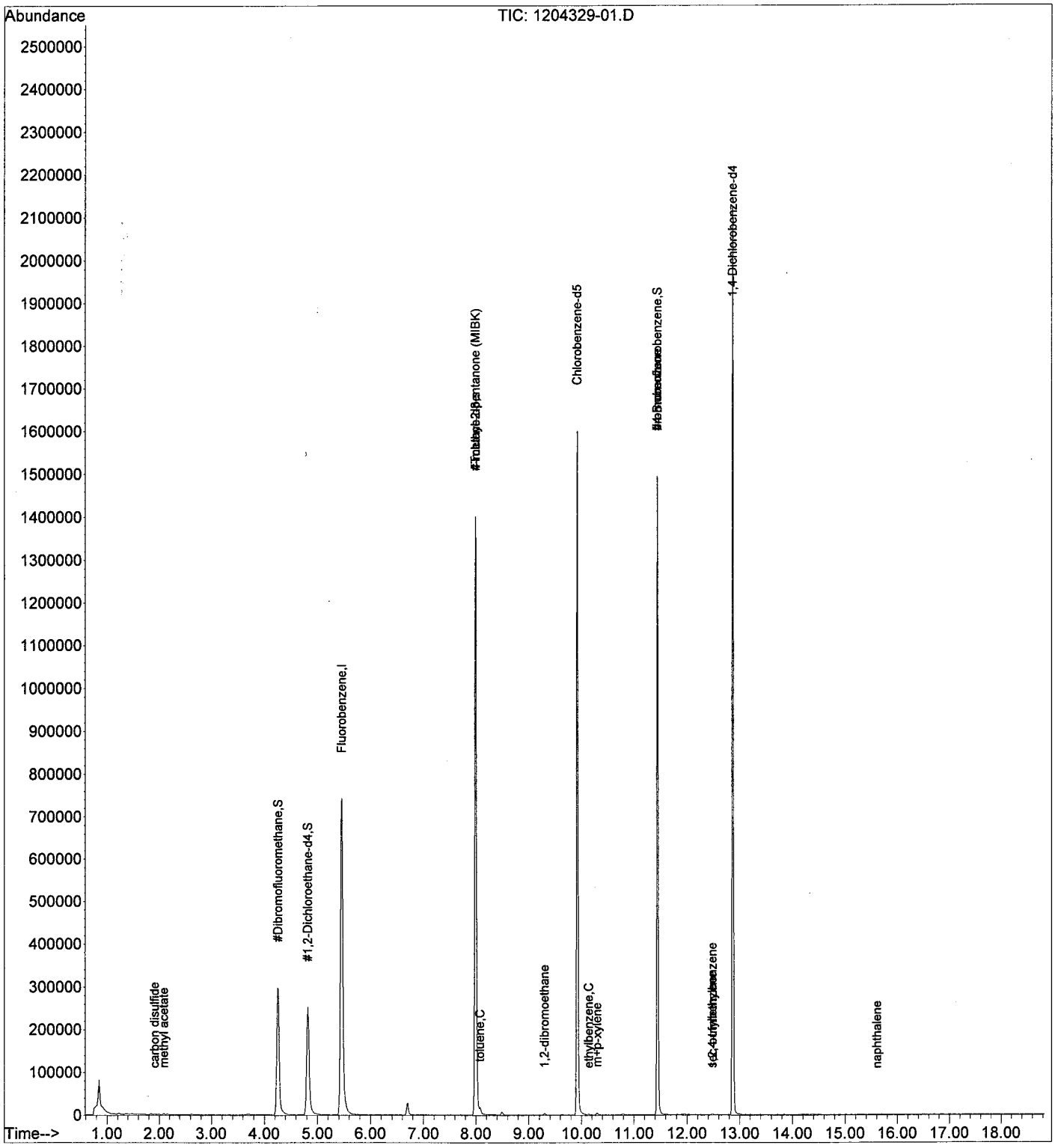
Internal Standard	Area	RT	% REC.	Ref. RT	Q
Fluorobenzene	1215124	5.46	90	5.45	
Chlorobenzene-d5	1002804	9.92	92	9.92	
1,4-Dichlorobenzene-d4	646924	12.87	94	12.87	

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : 1204329-01.D
InstName : 323
Acq On : 23 Apr 2012 7:09 pm
Operator : LEW
Sample : 1204329-01
Misc : TechLaw
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 24 08:07:49 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : 1204329-01.D
InstName : 323
Acq On : 23 Apr 2012 7:09 pm
Operator : LEW
Sample : 1204329-01
Misc : TechLaw
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 24 08:07:49 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.46	96	1215124	40.00	ug/L	0.00 88.59%
50) Chlorobenzene-d5	9.92	117	1002804	40.00	ug/L	0.00 91.46%
65) 1,4-Dichlorobenzene-d4	12.87	152	646924	40.00	ug/L	0.00 92.37%
System Monitoring Compounds						
30) #Dibromofluoromethane	4.26	111	308567	41.23	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.07%		
37) #1,2-Dichloroethane-d4	4.82	67	167773	42.44	ug/L	0.00
Spiked Amount 40.000			Recovery =	106.10%		
46) #Toluene-d8	7.99	98	1164698	39.58	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.95%		
64) #4-Bromofluorobenzene	11.44	95	502391	40.17	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.43%		
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	1.85	43	4315	Below Cal	#	50
14) iodomethane	0.00	142	0	N.D.		
15) carbon disulfide	1.91	76	2198	0.10	ug/L #	74
16) methyl acetate	2.09	43	3416	0.29	ug/L #	54
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	0.00	71	0	N.D.		
28) chloroform	0.00	83	0	N.D.		
29) 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	0.00	57	0	N.D.		

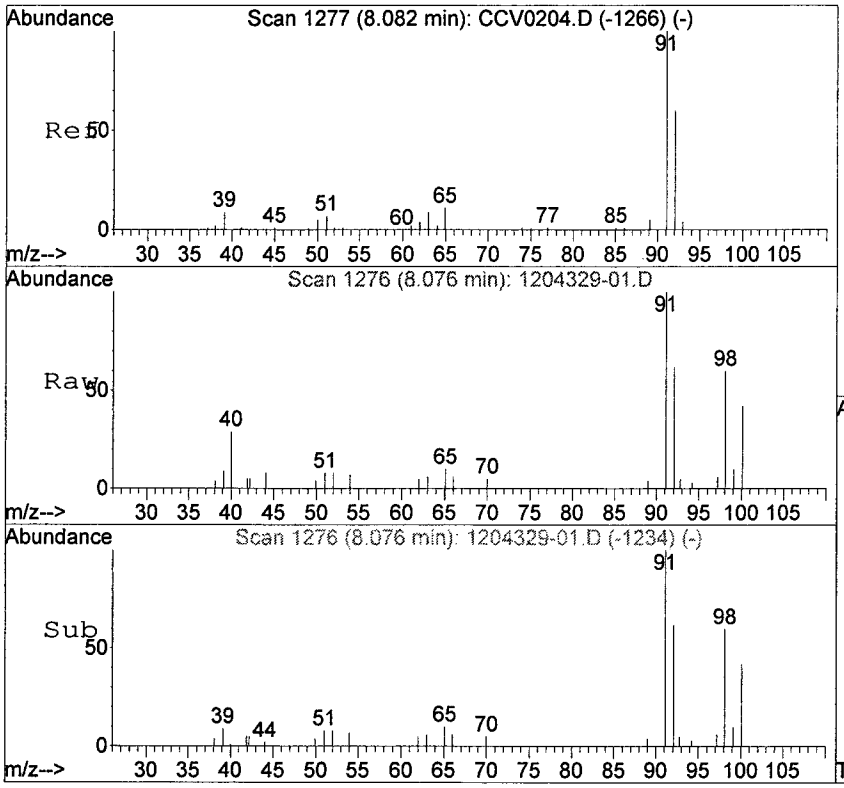
Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : 1204329-01.D
InstName : 323
Acq On : 23 Apr 2012 7:09 pm
Operator : LEW
Sample : 1204329-01
Misc : TechLaw
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 24 08:07:49 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 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) bromodichloromethane	0.00	83	0	N.D.			
43) 2-chloroehtyl vinyl ethe	0.00	63	0	N.D.			
44) cis-1,3-dichloropropene	0.00	75	0	N.D.			
45) 4-methyl-2-pentanone (MIBK	7.99	43	3662	~~1.01~~	ug/L	#	1
47) toluene	8.08	91	9892	0.30	ug/L		99
48) trans-1,3-dichloropropen	0.00	75	0	N.D.			
49) 1,1,2-trichloroethane	0.00	83	0	N.D.			
51) tetrachloroethene	0.00	166	0	N.D.			
52) 1,3-dichloropropane	0.00	76	0	N.D.			
53) 2-hexanone (MBK)	0.00	43	0	N.D.			
54) dibromochloromethane	0.00	129	0	N.D.			
55) 1,2-dibromoethane	9.30	109	2588	0.47	ug/L	#	92
56) chlorobenzene	0.00	112	0	N.D.			
57) 1-chlorohexane	0.00	55	0	N.D.			
58) 1,1,1,2-tetrachloroethan	0.00	131	0	N.D.			
59) ethylbenzene	10.14	91	1603	0.04	ug/L	#	43
60) m+p-xylene	10.29	106	2177	0.15	ug/L	#	86
61) o-xylene	0.00	106	0	N.D.			
62) styrene	0.00	104	0	N.D.			
63) bromoform	0.00	173	0	N.D.			
66) isopropylbenzene	0.00	105	0	N.D.			
67) bromobenzene	11.45	77	2658	0.18	ug/L	#	11
68) 1,1,2,2-tetrachloroethan	0.00	83	0	N.D.			
69) 1,2,3-trichloropropane	0.00	110	0	N.D.			
70) 1,4-dichloro-2-butene	0.00	53	0	N.D.			
71) n-propylbenzene	0.00	120	0	N.D.			
72) 2-chlorotoluene	0.00	126	0	N.D.			
73) 1,3,5-trimethylbenzene	0.00	105	0	N.D.			
74) 4-chlorotoluene	0.00	91	0	N.D.			
75) tert-butylbenzene	0.00	119	0	N.D.			
76) 1,2,4-trimethylbenzene	12.49	105	1458	0.05	ug/L	#	31
77) sec-butylbenzene	12.49	105	1457	0.03	ug/L	#	54
78) 1,3-dichlorobenzene	0.00	146	0	N.D.			
79) 4-isopropyltoluene	0.00	119	0	N.D.			
80) 1,4-dichlorobenzene	0.00	146	0	N.D.			
81) 1,2-dichlorobenzene	0.00	146	0	N.D.			
82) n-butylbenzene	0.00	91	0	N.D.			
83) hexachloroethane	0.00	201	0	N.D.			
84) 1,2-dibromo-3-chloroprop	0.00	157	0	N.D.			
85) 1,2,4-trichlorobenzene	0.00	180	0	N.D.			
86) hexachlorobutadiene	0.00	225	0	N.D.			
87) naphthalene	15.61	128	1289	2.74	ug/L	#	77
88) 1,2,3-trichlorobenzene	0.00	180	0	N.D.			
89) 2-methylnaphthalene	0.00	142	0	N.D.			

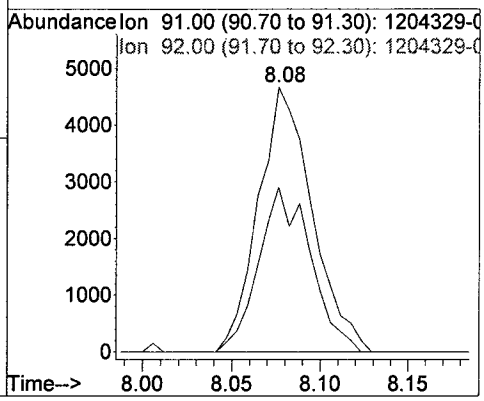
(#) = qualifier out of range (m) = manual integration (+) = signals summed

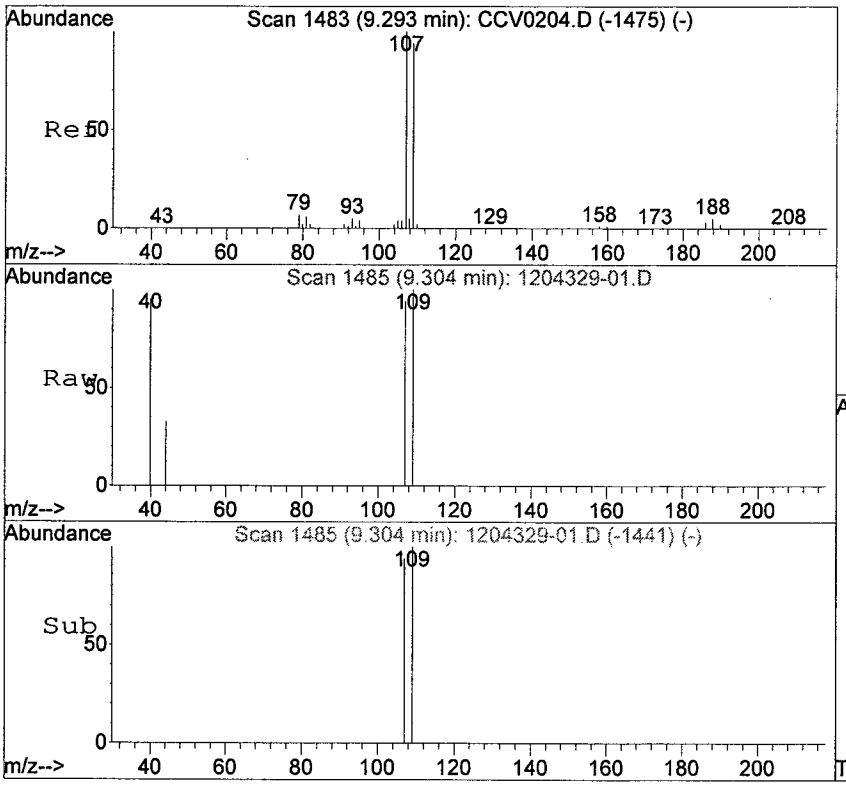


#47
toluene
Concen: 0.30 ug/L
RT: 8.08 min Scan# 1276
Delta R.T. -0.01 min
Lab File: 1204329-01.D
Acq: 23 Apr 2012 7:09 pm

Tgt Ion: 91 Resp: 9892

Ion	Ratio	Lower	Upper
91	100		
92	60.1	39.2	79.2

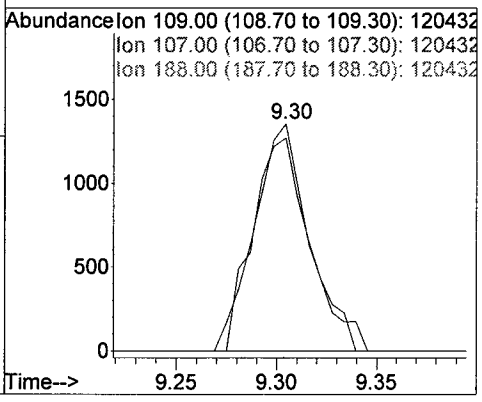




#55
1,2-dibromoethane
Concen: 0.47 ug/L
RT: 9.30 min Scan# 1485
Delta R.T. 0.01 min
Lab File: 1204329-01.D
Acq: 23 Apr 2012 7:09 pm

Tgt Ion:109 Resp: 2588

Ion	Ratio	Lower	Upper
109	100		
107	96.4	83.9	123.9
188	0.0	0.0	25.2



ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106053

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204454-01 File ID: 1204454-01.D

Sampled: 04/24/12 10:20 Prepared: 05/03/12 07:00 Analyzed: 05/03/12 16:25

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

QC Batch: 1205579 Sequence: 2E04020 Calibration: 2E03002 Instrument: 224

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	0.21	0.11	1.0	J
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	0.24	0.17	1.0	J
75-00-3	Chloroethane	1	1.0	0.14	1.0	U
67-66-3	Chloroform	1	0.19	0.098	1.0	J
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	0.25	0.21	1.0	J
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	0.29	0.21	1.0	J
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	1.2	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	1.5	0.24	1.0	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106053

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204454-01 File ID: 1204454-01.D

Sampled: 04/24/12 10:20 Prepared: 05/03/12 07:00 Analyzed: 05/03/12 16:25

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

QC Batch: 1205579 Sequence: 2E04020 Calibration: 2E03002 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	0.24	0.18	1.0	J
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	40.4	101	85 - 118	
1,2-Dichloroethane-d4	40.0	42.1	105	87 - 122	
Toluene-d8	40.0	40.2	100	85 - 113	
4-Bromofluorobenzene	40.0	39.0	98	82 - 110	

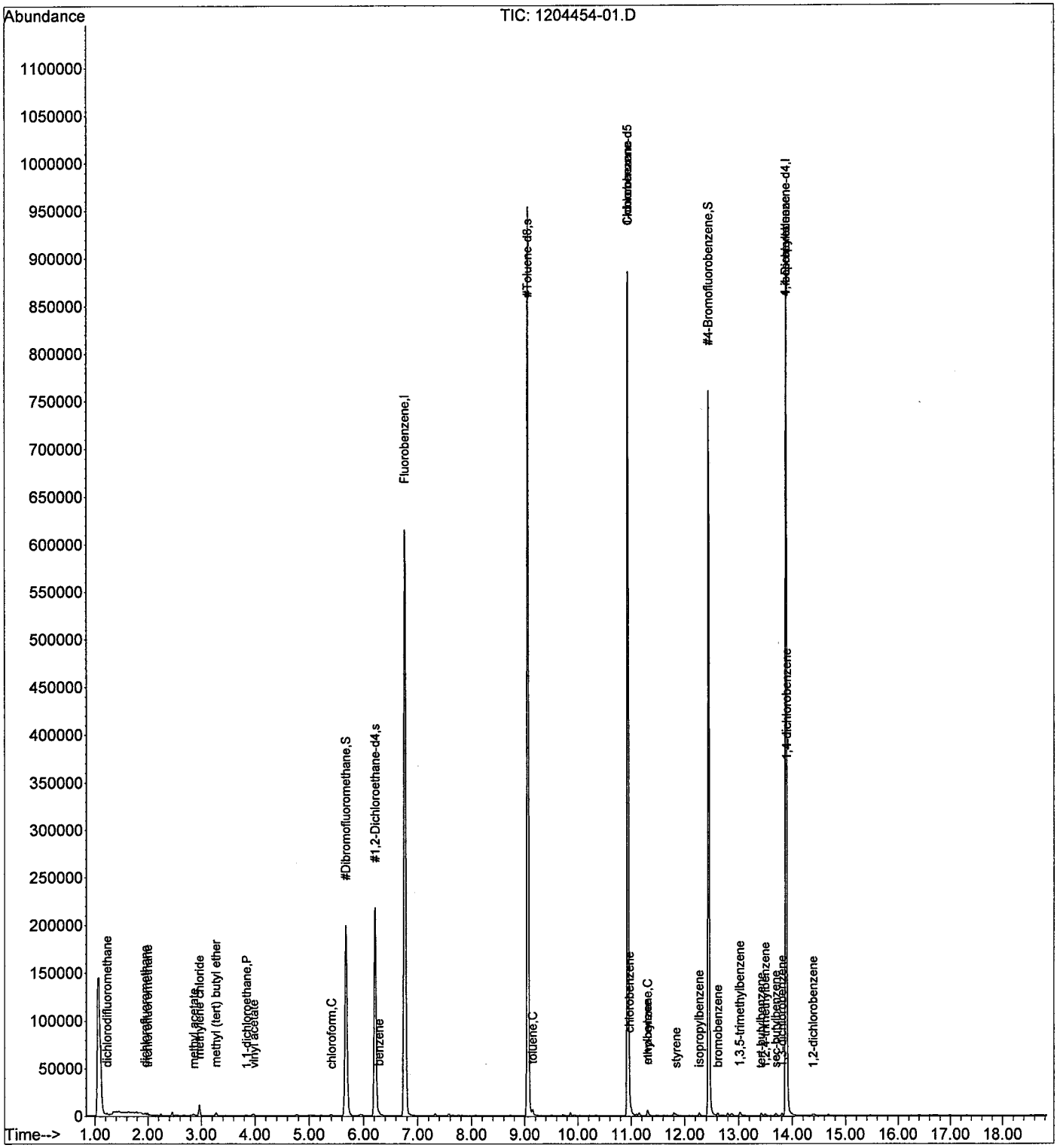
Internal Standard	Area	RT	% REC.	Ref. RT	Q
Fluorobenzene	685070	6.76	95	6.76	
Chlorobenzene-d5	536170	10.94	95	10.94	
1,4-Dichlorobenzene-d4	285631	13.89	93	13.89	

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : 1204454-01.D
Acq On : 3 May 2012 16:25
Operator : DLV
Sample : 1204454-01
Misc : TL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 04 07:52:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed May 02 10:57:42 2012
Response via : Initial Calibration



00755

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : 1204454-01.D
Acq On : 3 May 2012 16:25
Operator : DLV
Sample : 1204454-01
Misc : TL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 04 07:52:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed May 02 10:57:42 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	685070	40.00	ug/L		0.00 76.87%
51) Chlorobenzene-d5	10.94	117	536170	40.00	ug/L		0.00 76.97%
66) 1,4-Dichlorobenzene-d4	13.89	152	285631	40.00	ug/L		0.00 72.19%
System Monitoring Compounds							
29) #Dibromofluoromethane	5.68	111	167261	40.42	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.05%				
37) #1,2-Dichloroethane-d4	6.22	65	200957	42.07	ug/L		0.00
Spiked Amount 40.000			Recovery = 105.18%				
47) #Toluene-d8	9.06	98	679629	40.18	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.45%				
65) #4-Bromofluorobenzene	12.45	95	254523	39.01	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.52%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.23	85	1228	0.25	ug/L	#	42
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	1.95	67	1486	0.22	ug/L	#	42
8) trichlorofluoromethane	2.00	101	1544	0.24	ug/L	#	25
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	0.00	76	0	N.D.			
16) methyl acetate	2.86	43	2635	1.16	ug/L	#	60
17) methylene chloride	2.96	49	7239	1.51	ug/L		92
18) acrylonitrile	0.00	53	0	N.D.			
19) trans-1,2-dichloroethene	0.00	96	0	N.D.			
20) methyl (tert) butyl ether	3.27	73	1693	0.17	ug/L	#	55
21) 1,1-dichloroethane	3.84	63	1343	PS 0.20	ug/L	#	50
22) vinyl acetate	3.98	43	1241	0.19	ug/L	#	72
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	5.41	83	1243	0.19	ug/L	#	18
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	6.29	78	3310	0.21	ug/L	#	59
35) 1,2-dichloroethane	0.00	62	0	N.D.			
36) heptane	6.76	57	23319	No Calib		#	

00758

Quantitation Report (Not Edited)

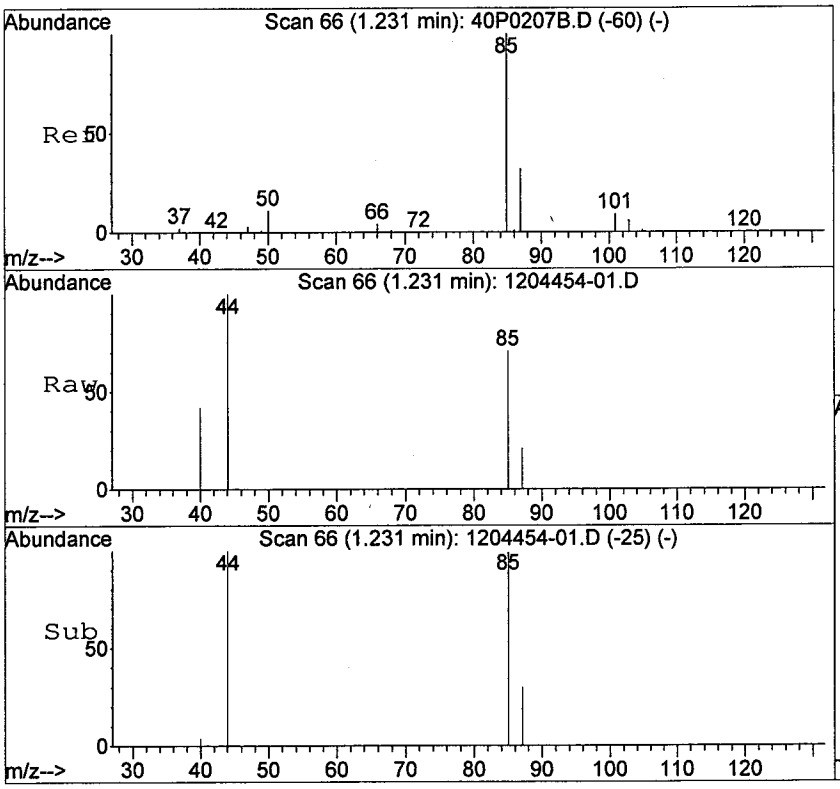
Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : 1204454-01.D
Acq On : 3 May 2012 16:25
Operator : DLV
Sample : 1204454-01
Misc : TL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 04 07:52:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed May 02 10:57:42 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	9.15	91	4252	0.24	ug/L		100
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	10.98	112	2737	0.24	ug/L	#	31
58) 1-chlorohexane	10.94	55	5050	1.36	ug/L	#	1
59) 1,1,1,2-tetrachloroethan	0.00	131	0	N.D.			
60) ethylbenzene	11.30	91	5481	0.29	ug/L		71
61) m+p-xylene	11.31	106	2717	0.35	ug/L		92
62) o-xylene	0.00	106	0	N.D.			
63) styrene	11.84	104	1660	0.13	ug/L	#	30
64) bromoform	0.00	173	0	N.D.			
67) isopropylbenzene	12.27	105	2643	0.17	ug/L	#	47
68) bromobenzene	12.62	77	1522	0.24	ug/L	#	11
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	13.03	105	2198	0.17	ug/L	#	25
75) 4-chlorotoluene	0.00	126	0	N.D.			
76) tert-butylbenzene	13.41	119	2152	0.19	ug/L	#	29
77) 1,2,4-trimethylbenzene	13.50	105	2185	0.17	ug/L	#	28
78) sec-butylbenzene	13.70	105	2729	0.18	ug/L	#	53
79) 1,3-dichlorobenzene	13.81	146	1640	0.20	ug/L	#	26
80) 4-isopropyltoluene	13.89	119	2145	0.16	ug/L	#	50
81) 1,4-dichlorobenzene	13.91	146	2064	0.24	ug/L	#	57
82) 1,2-dichlorobenzene	14.39	146	1284	0.17	ug/L	#	25
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

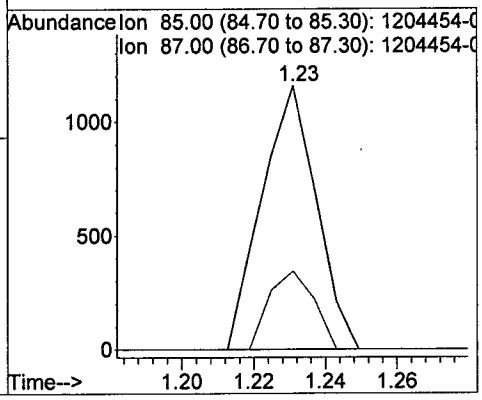
00757

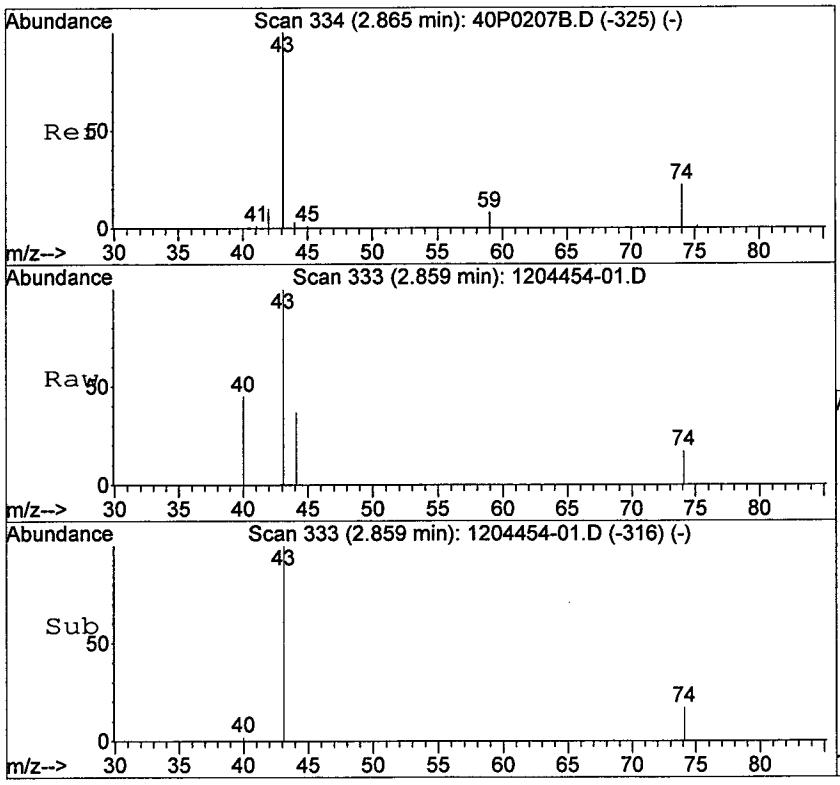


#2
dichlorodifluoromethane
Concen: 0.25 ug/L
RT: 1.23 min Scan# 66
Delta R.T. 0.00 min
Lab File: 1204454-01.D
Acq: 3 May 2012 16:25

Tgt Ion: 85 Resp: 1228

Ion	Ratio	Lower	Upper
85	100		
87	0.0	12.6	52.6#

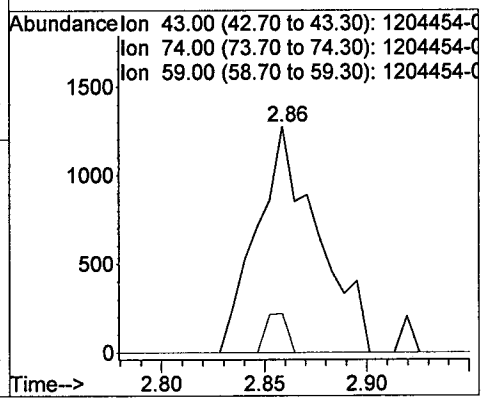


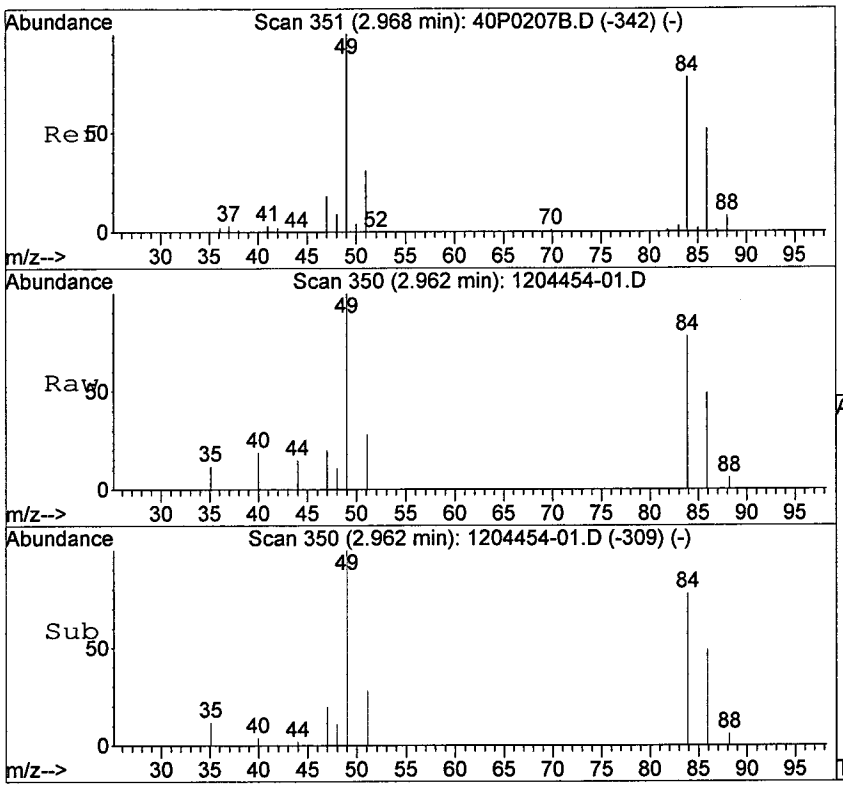


#16
methyl acetate
Concen: 1.16 ug/L
RT: 2.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: 1204454-01.D
Acq: 3 May 2012 16:25

Tgt Ion: 43 Resp: 2635

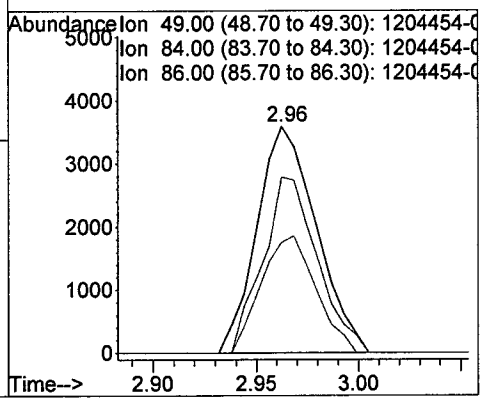
Ion	Ratio	Lower	Upper
43	100		
74	0.0	2.5	42.5#
59	0.0	0.0	28.2

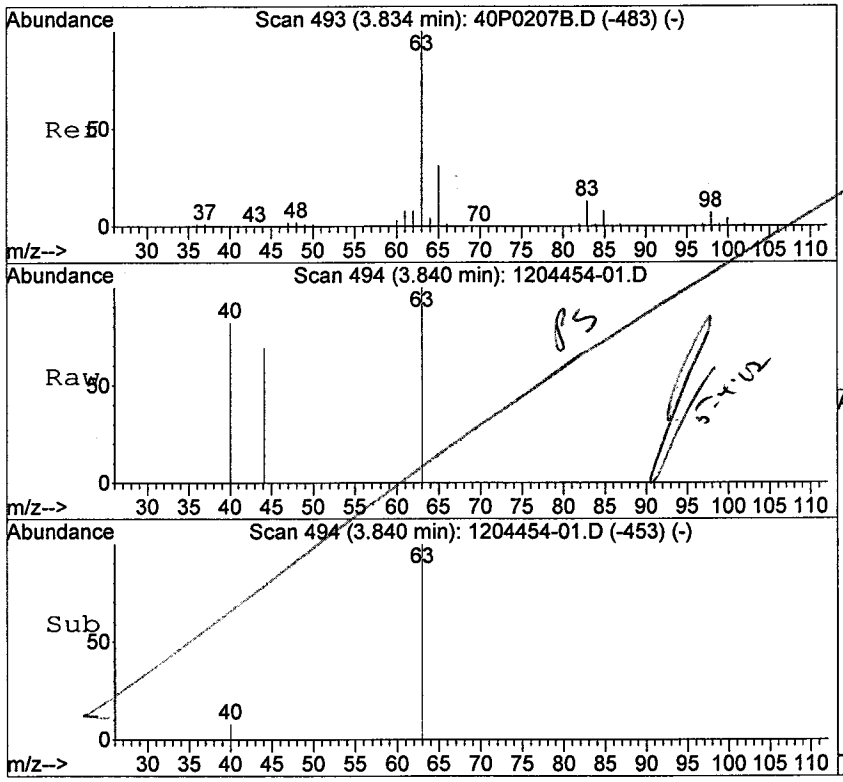




#17
methylene chloride
Concen: 1.51 ug/L
RT: 2.96 min Scan# 350
Delta R.T. 0.00 min
Lab File: 1204454-01.D
Acq: 3 May 2012 16:25

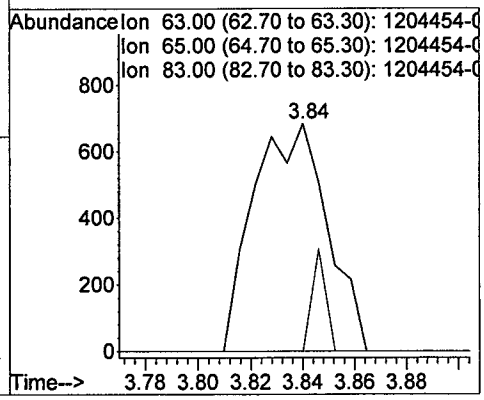
Tgt Ion: 49	Resp:	7239
Ion	Ratio	Lower	Upper
49	100		
84	71.4	59.7	99.7
86	47.7	31.1	71.1

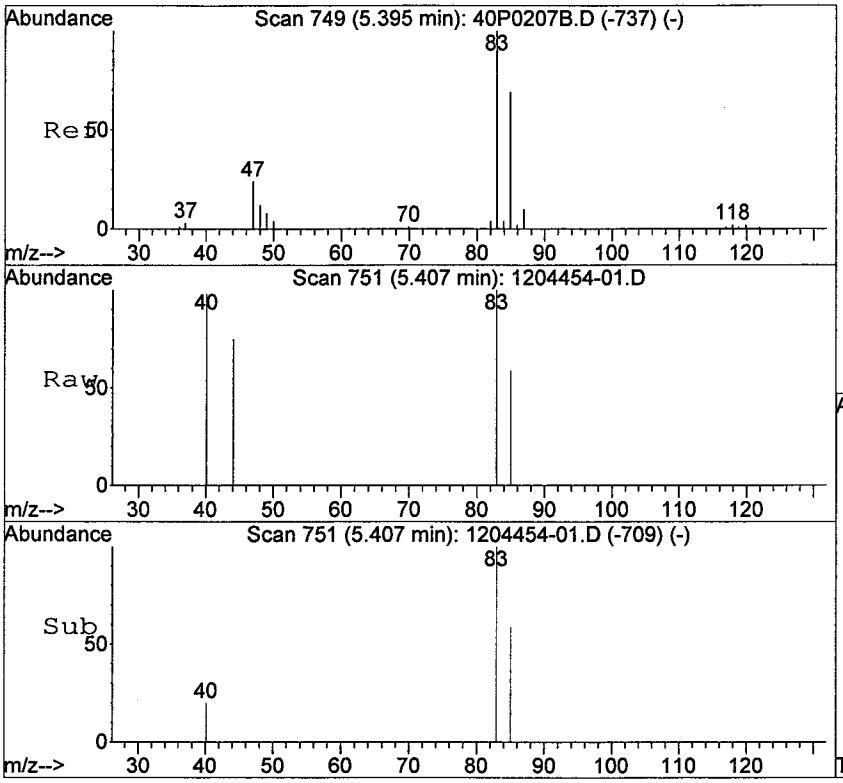




#21
1,1-dichloroethane
Concen: 0.20 ug/L
RT: 3.84 min Scan# 494
Delta R.T. 0.00 min
Lab File: 1204454-01.D
Acq: 3 May 2012 16:25

Tgt Ion: 63	Resp:	1343
Ion	Ratio	Lower	Upper
63	100		
65	0.0	11.6	51.6#
83	0.0	0.0	33.5

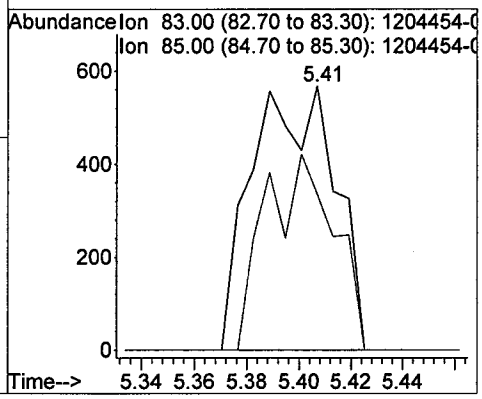


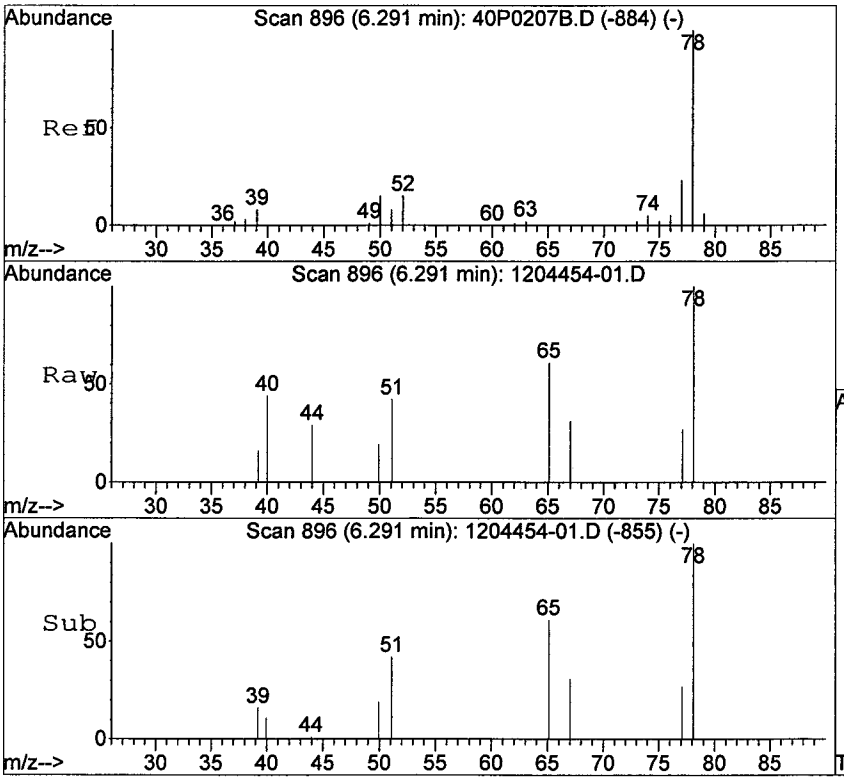


#28
chloroform
Concen: 0.19 ug/L
RT: 5.41 min Scan# 751
Delta R.T. 0.01 min
Lab File: 1204454-01.D
Acq: 3 May 2012 16:25

Tgt Ion: 83 Resp: 1243

Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.8	84.8#

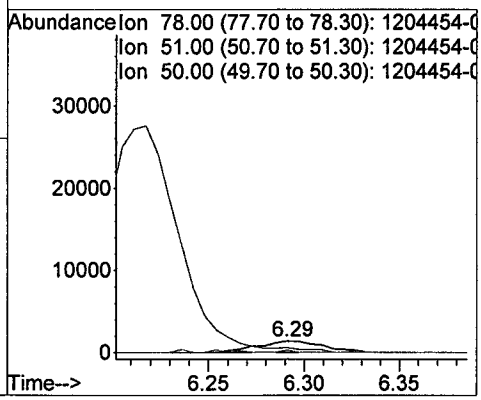


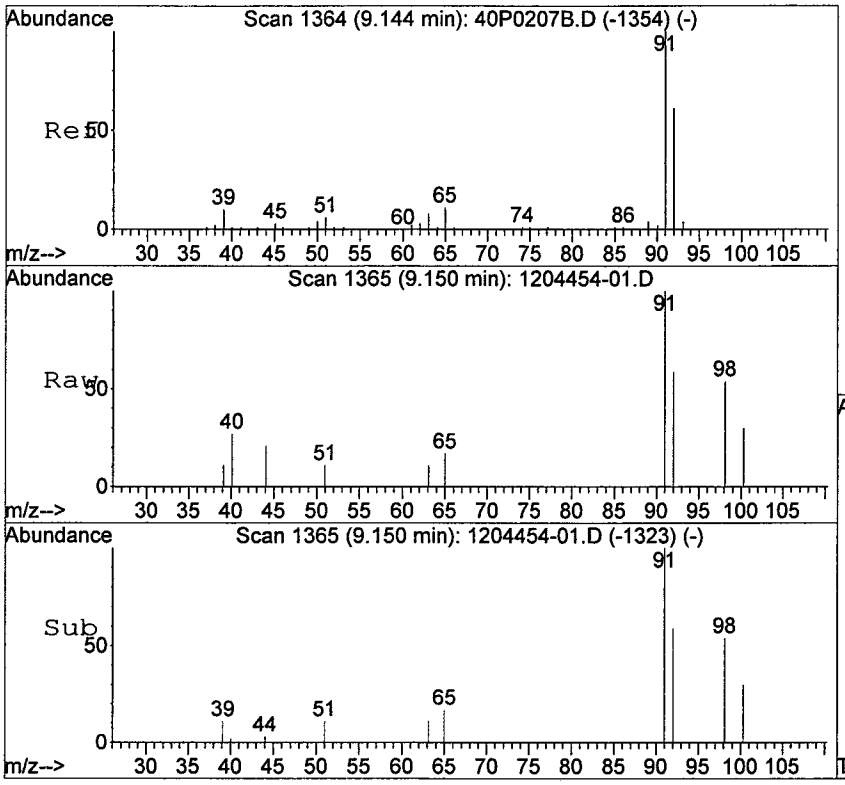


#34
benzene
Concen: 0.21 ug/L
RT: 6.29 min Scan# 896
Delta R.T. 0.00 min
Lab File: 1204454-01.D
Acq: 3 May 2012 16:25

Tgt Ion: 78 Resp: 3310

Ion	Ratio	Lower	Upper
78	100		
51	0.0	0.0	40.0
50	0.0	0.0	36.4

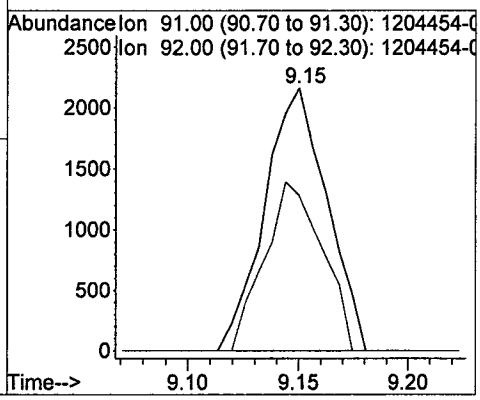


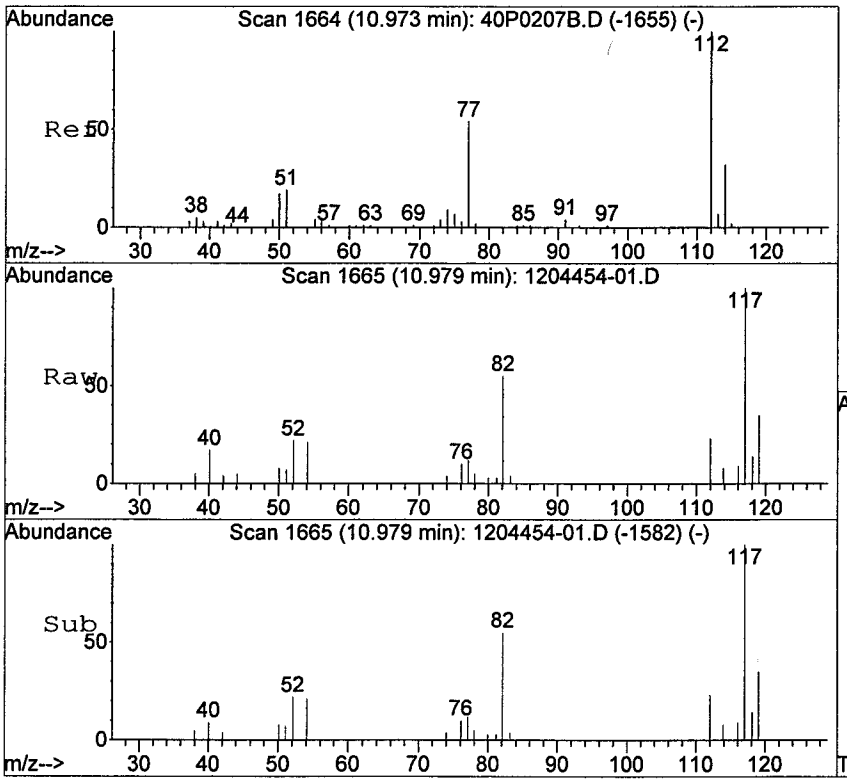


#48
toluene
Concen: 0.24 ug/L
RT: 9.15 min Scan# 1365
Delta R.T. 0.01 min
Lab File: 1204454-01.D
Acq: 3 May 2012 16:25

Tgt Ion: 91 Resp: 4252

Ion	Ratio	Lower	Upper
91	100		
92	59.9	40.0	80.0

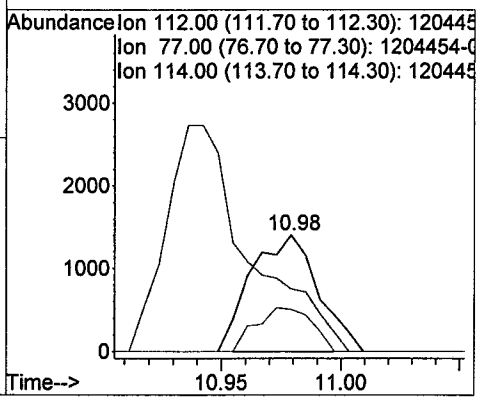


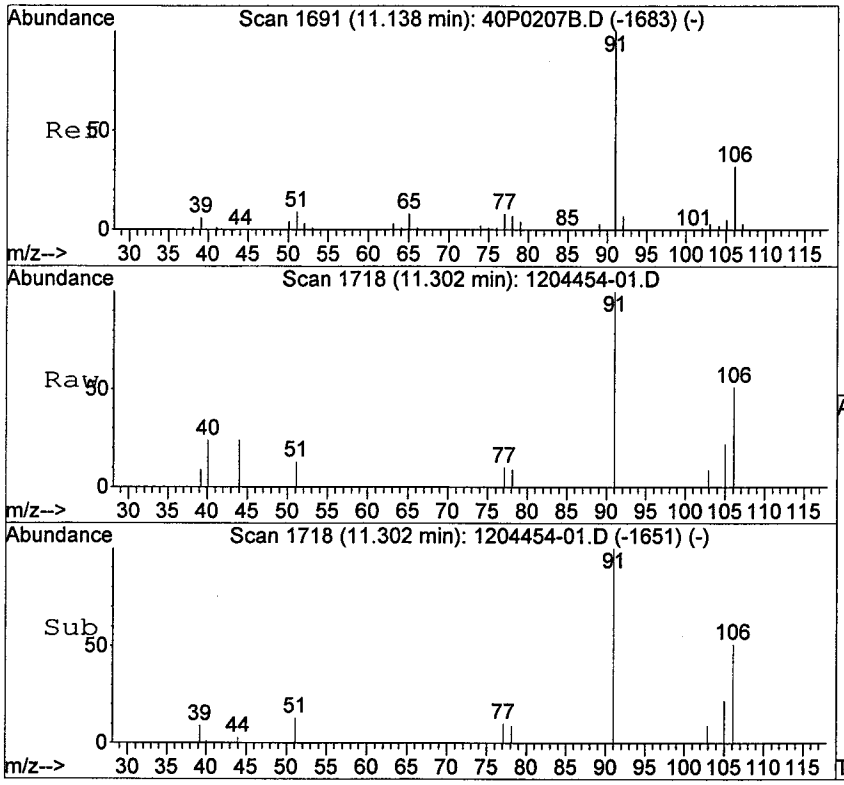


#57
chlorobenzene
Concen: 0.24 ug/L
RT: 10.98 min Scan# 1665
Delta R.T. 0.01 min
Lab File: 1204454-01.D
Acq: 3 May 2012 16:25

Tgt Ion:112 Resp: 2737

Ion	Ratio	Lower	Upper
112	100		
77	0.0	44.2	66.2#
114	0.0	25.9	38.9#

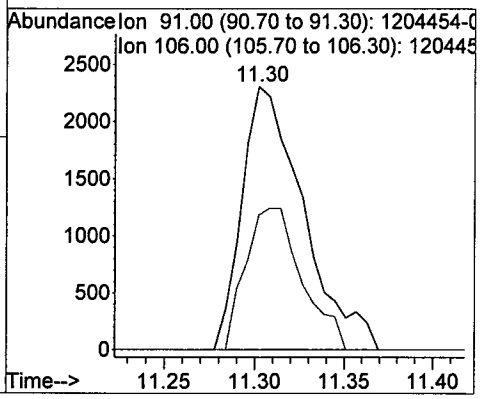




#60
ethylbenzene
Concen: 0.29 ug/L
RT: 11.30 min Scan# 1718
Delta R.T. 0.16 min
Lab File: 1204454-01.D
Acq: 3 May 2012 16:25

Tgt Ion: 91 Resp: 5481

Ion	Ratio	Lower	Upper
91	100		
106	49.6	13.2	53.2



ORGANIC ANALYSIS DATA SHEET
USEPA-8260B

106054

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204454-02 File ID: 1204454-02.D

Sampled: 04/24/12 13:30 Prepared: 05/03/12 07:00 Analyzed: 05/03/12 16:53

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

QC Batch: 1205579 Sequence: 2E04020 Calibration: 2E03002 Instrument: 224

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
67-64-1	Acetone	1	6.1	1.1	5.0	B
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

106054

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204454-02 File ID: 1204454-02.D

Sampled: 04/24/12 13:30 Prepared: 05/03/12 07:00 Analyzed: 05/03/12 16:53

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

QC Batch: 1205579 Sequence: 2E04020 Calibration: 2E03002 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	40.0	100	85 - 118	
1,2-Dichloroethane-d4	40.0	41.9	105	87 - 122	
Toluene-d8	40.0	40.8	102	85 - 113	
4-Bromofluorobenzene	40.0	38.6	97	82 - 110	

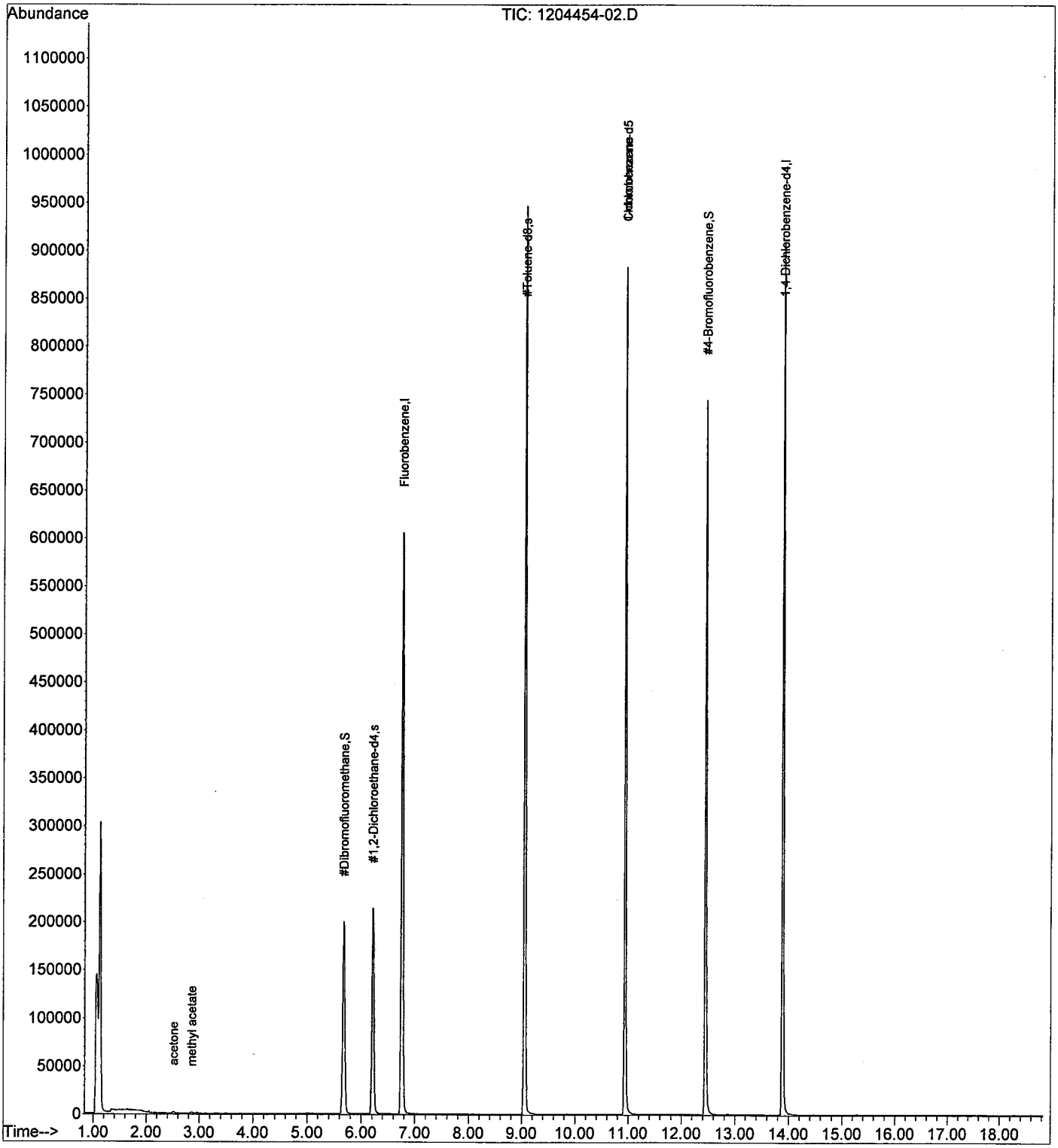
Internal Standard	Area	RT	% REC.	Ref. RT	Q
Fluorobenzene	683093	6.76	95	6.76	
Chlorobenzene-d5	535541	10.94	95	10.94	
1,4-Dichlorobenzene-d4	286318	13.89	94	13.89	

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : 1204454-02.D
Acq On : 3 May 2012 16:53
Operator : DLV
Sample : 1204454-02
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 04 07:53:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed May 02 10:57:42 2012
Response via : Initial Calibration



00765

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : 1204454-02.D
Acq On : 3 May 2012 16:53
Operator : DLV
Sample : 1204454-02
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 04 07:53:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed May 02 10:57:42 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	683093	40.00	ug/L	0.00 76.65%
51) Chlorobenzene-d5	10.94	117	535541	40.00	ug/L	0.00 76.88%
66) 1,4-Dichlorobenzene-d4	13.89	152	286318	40.00	ug/L	0.00 72.37%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.67	111	165151	40.02	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.05%		
37) #1,2-Dichloroethane-d4	6.21	65	199507	41.88	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.70%		
47) #Toluene-d8	9.06	98	687487	40.76	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.90%		
65) #4-Bromofluorobenzene	12.45	95	251809	38.64	ug/L	0.00
Spiked Amount 40.000			Recovery =	96.60%		
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	2.52	43	3121	6.11	ug/L #	46
14) iodomethane	0.00	142	0	N.D.		
15) carbon disulfide	0.00	76	0	N.D.		
16) methyl acetate	2.86	43	2047	0.90	ug/L #	60
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	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	6.76	57	23992	No Calib	#	

00765

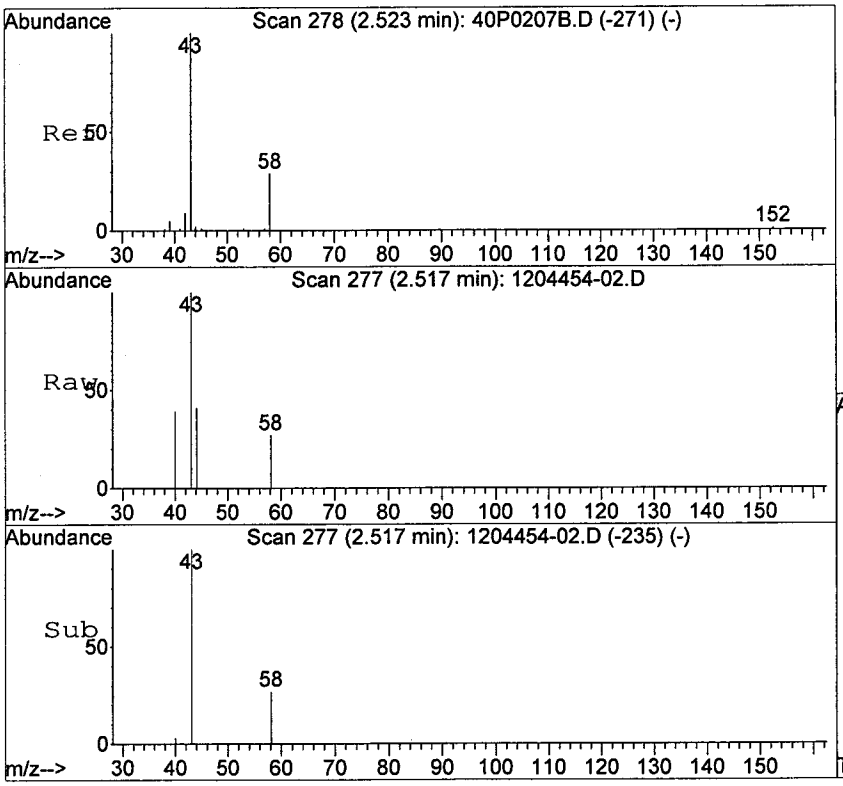
Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : 1204454-02.D
Acq On : 3 May 2012 16:53
Operator : DLV
Sample : 1204454-02
Misc : TL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 04 07:53:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed May 02 10:57:42 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	10.94	55	5153	1.39	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

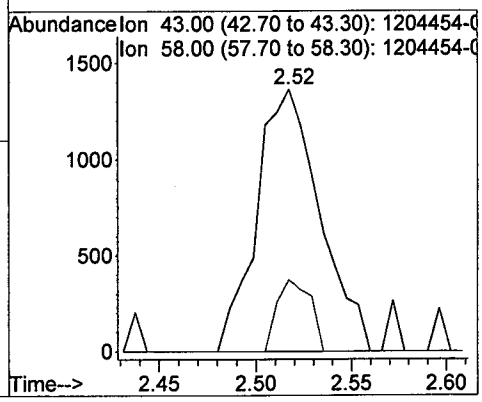
00767

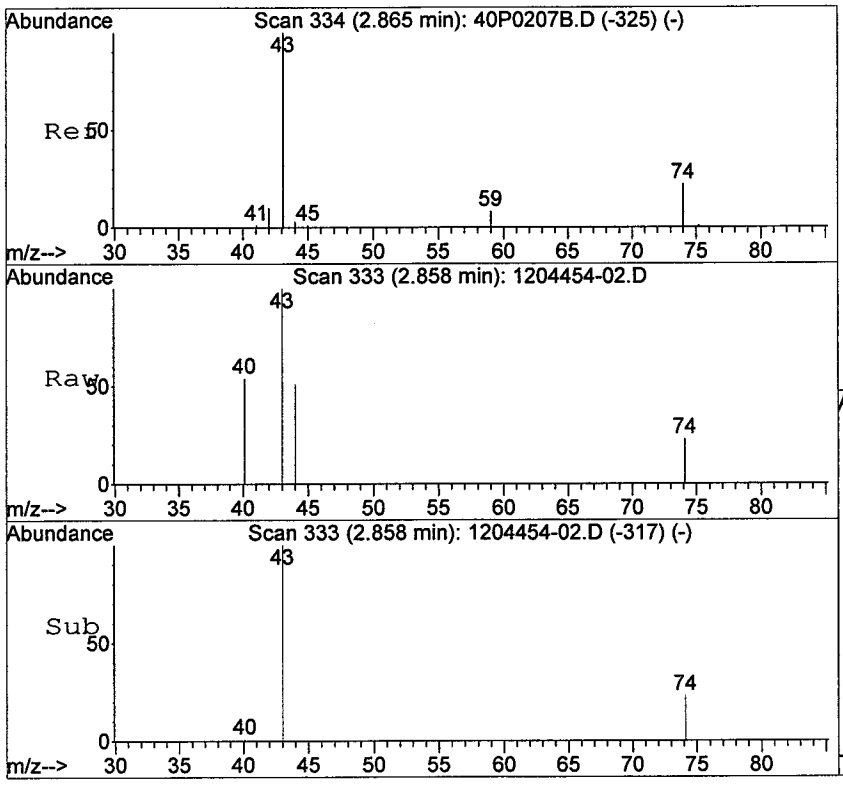


#13
acetone
Concen: 6.11 ug/L
RT: 2.52 min Scan# 277
Delta R.T. 0.01 min
Lab File: 1204454-02.D
Acq: 3 May 2012 16:53

Tgt Ion: 43 Resp: 3121

Ion	Ratio	Lower	Upper
43	100		
58	0.0	8.3	48.3#

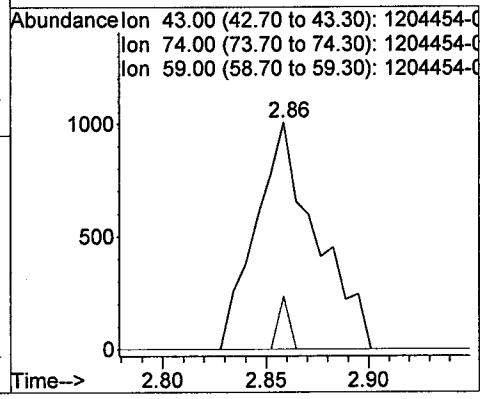




#16
methyl acetate
Concen: 0.90 ug/L
RT: 2.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: 1204454-02.D
Acq: 3 May 2012 16:53

Tgt Ion: 43 Resp: 2047

Ion	Ratio	Lower	Upper
43	100		
74	0.0	2.5	42.5#
59	0.0	0.0	28.2



INITIAL CALIBRATION DATA

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D06026

SDG: KNM040512

Project: KNM

Calibration Date: 04/05/12 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	~~0.3128102~~	5	0.1306716	10	0.1107197	20	0.1011656	40	0.1028391	100	9.130888E-02
Benzene	1	1.052763	5	1.065532	10	1.02618	20	1.008166	40	1.038779	100	1.023327
Bromodichloromethane	1	0.3975899	5	0.4040719	10	0.3954548	20	0.3946818	40	0.4100078	100	0.416084
Bromoform	1	0.1944513	5	0.2105302	10	0.2109543	20	0.2211084	40	0.2450432	100	0.2566251
Bromomethane	1	0.2643546	5	0.2236423	10	0.1984214	20	0.183725	40	0.1813379	100	0.1798129
Carbon Disulfide	1	0.9081019	5	0.8418761	10	0.7903806	20	0.7724745	40	0.7962355	100	0.7542908
Carbon Tetrachloride	1	0.5245478	5	0.5307887	10	0.5180339	20	0.5118465	40	0.5364451	100	0.5408437
Chlorobenzene	1	1.107202	5	1.049552	10	0.9948711	20	0.9742437	40	0.9949363	100	0.9504366
Chloroethane	1	0.2161811	5	0.1969099	10	0.1875858	20	0.181503	40	0.1809261	100	0.1684986
Chloroform	1	0.609257	5	0.59259	10	0.5631146	20	0.5508792	40	0.5570442	100	0.5500432
Chloromethane	1	0.2709141	5	0.2538057	10	0.233601	20	0.2306094	40	0.2314072	100	0.2074759
Cyclohexane	1	0.2867133	5	0.3311918	10	0.3460797	20	0.3559148	40	0.3795832	100	0.3733129
1,2-Dibromo-3-chloropropane	1	8.161702E-02	5	8.685584E-02	10	8.687756E-02	20	9.500779E-02	40	0.1094999	100	0.1131925
Dibromochloromethane	1	0.3219381	5	0.3390475	10	0.3408291	20	0.3508113	40	0.3756031	100	0.3742839
1,2-Dibromoethane	1	0.2499725	5	0.2648978	10	0.2588159	20	0.2647619	40	0.2767327	100	0.2676955
1,2-Dichlorobenzene	1	1.170768	5	1.143157	10	1.120809	20	1.132618	40	1.173054	100	1.149565
1,3-Dichlorobenzene	1	1.311551	5	1.318666	10	1.271968	20	1.257271	40	1.28466	100	1.256514
1,4-Dichlorobenzene	1	1.525499	5	1.384401	10	1.314147	20	1.273583	40	1.292584	100	1.237457
Dichlorodifluoromethane	1	0.3246596	5	0.3111976	10	0.2806744	20	0.2725583	40	0.2721936	100	0.2562363
1,1-Dichloroethane	1	0.5577685	5	0.545271	10	0.51398	20	0.5060075	40	0.5134215	100	0.4965701
1,2-Dichloroethane	1	0.5107235	5	0.5076253	10	0.4737364	20	0.4610063	40	0.4622286	100	0.4546166
1,1-Dichloroethene	1	0.2932728	5	0.2883235	10	0.2742912	20	0.2648195	40	0.2738966	100	0.2605412
cis-1,2-Dichloroethene	1	0.2913684	5	0.2937803	10	0.2874561	20	0.2876905	40	0.3017116	100	0.2959036
trans-1,2-Dichloroethene	1	0.3401767	5	0.3200717	10	0.291565	20	0.2822036	40	0.2868106	100	0.2890798
1,2-Dichloropropane	1	0.2293707	5	0.2390892	10	0.2389948	20	0.230264	40	0.2345387	100	0.2322239
cis-1,3-Dichloropropene	1	0.2854437	5	0.3176602	10	0.3367351	20	0.3635274	40	0.3975104	100	0.4116884
trans-1,3-Dichloropropene	1	0.2811413	5	0.3161996	10	0.3322826	20	0.3590668	40	0.3983468	100	0.4206509
Ethylbenzene	1	1.502886	5	1.686517	10	1.665596	20	1.672543	40	1.739369	100	1.673535
2-Hexanone	1	~~8.908818E-02~~	5	0.1013499	10	0.1118816	20	0.130443	40	0.1596994	100	0.1646456
Isopropylbenzene	1	1.70643	5	2.105711	10	2.168665	20	2.268347	40	2.418922	100	2.353067
Methyl Acetate	1	~~0.3459604~~	5	0.2067761	10	0.1747713	20	0.1582534	40	0.1631026	100	0.1505218

INITIAL CALIBRATION DATA
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Calibration: 2D06026
Calibration Date: 04/05/12 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	0.6890289	5	0.7327833	10	0.7010229	20	0.686069	40	0.7145301	100	0.6931557
Methylcyclohexane	1	0.2931318	5	0.3320048	10	0.3536172	20	0.3674333	40	0.3918411	100	0.3835376
Methylene Chloride	1	0.6997498	5	0.4251133	10	0.3758037	20	0.3487971	40	0.3399204	100	0.3180088
2-Butanone (MEK)	1	9.902718E-02	5	9.109668E-02	10	9.001039E-02	20	9.052728E-02	40	0.1022071	100	9.698985E-02
4-Methyl-2-pentanone (MIBK)	1	~~9.1024833~~	5	0.1279846	10	0.1337994	20	0.1588811	40	0.1840257	100	0.1882099
Styrene	1	0.731269	5	1.021692	10	1.048122	20	1.077492	40	1.117554	100	1.079589
1,1,2,2-Tetrachloroethane	1	0.537246	5	0.5368635	10	0.4968897	20	0.4857805	40	0.5111098	100	0.4844428
Tetrachloroethene	1	0.5135073	5	0.4852531	10	0.4599096	20	0.4522608	40	0.4620272	100	0.4498017
Toluene	1	1.153554	5	1.186971	10	1.16066	20	1.14378	40	1.182276	100	1.170564
1,2,4-Trichlorobenzene	1	0.5686778	5	0.5366638	10	0.5686453	20	0.6023967	40	0.665063	100	0.6641776
1,1,1-Trichloroethane	1	0.5488109	5	0.5582789	10	0.5416908	20	0.5322763	40	0.5551688	100	0.5548791
1,1,2-Trichloroethane	1	0.1820436	5	0.1815319	10	0.1758913	20	0.1719972	40	0.1783724	100	0.1760386
Trichloroethene	1	0.3304433	5	0.3326248	10	0.3215638	20	0.3118335	40	0.3312712	100	0.3327824
Trichlorofluoromethane	1	0.7326178	5	0.7086139	10	0.6617756	20	0.6366802	40	0.6387559	100	0.6092067
1,1,2-Trichloro-1,2,2-trifluoroe	1	0.3136566	5	0.2953925	10	0.2798086	20	0.2648793	40	0.26926	100	0.2535472
Vinyl Chloride	1	0.3021599	5	0.3002153	10	0.2775068	20	0.2738105	40	0.2806018	100	0.2544586
Xylene (Total)	3	0.5167567	15	0.6237493	30	0.6245694	60	0.6367844	120	0.6574415	300	0.629187
Dibromofluoromethane	40	0.316127	40	0.3129166	40	0.3126401	40	0.3098773	40	0.3091909	40	0.3085325
1,2-Dichloroethane-d4	40	0.1933146	40	0.1936907	40	0.1920897	40	0.1888	40	0.1881963	40	0.1863875
Toluene-d8	40	1.002231	40	1.013468	40	1.032713	40	1.031639	40	1.03584	40	1.054587
4-Bromofluorobenzene	40	0.5422236	40	0.5562232	40	0.5552641	40	0.5609387	40	0.5577923	40	0.5595421

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D06026

SDG: KNM040512

Project: KNM

Calibration Date: 04/05/12 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	~~6.976653E-02~~										
Benzene	200	0.9963808										
Bromodichloromethane	200	0.415213										
Bromoform	200	0.2637682										
Bromomethane	200	0.1763053										
Carbon Disulfide	200	0.7566117										
Carbon Tetrachloride	200	0.5307491										
Chlorobenzene	200	0.929535										
Chloroethane	200	0.1609448										
Chloroform	200	0.5374544										
Chloromethane	200	0.1964324										
Cyclohexane	200	0.3724081										
1,2-Dibromo-3-chloropropane	200	0.1171275										
Dibromochloromethane	200	0.3788691										
1,2-Dibromoethane	200	0.266713										
1,2-Dichlorobenzene	200	1.151552										
1,3-Dichlorobenzene	200	1.239798										
1,4-Dichlorobenzene	200	1.213211										
Dichlorodifluoromethane	200	0.2420925										
1,1-Dichloroethane	200	0.4812187										
1,2-Dichloroethane	200	0.4474112										
1,1-Dichloroethene	200	0.2534898										
cis-1,2-Dichloroethene	200	0.2879387										
trans-1,2-Dichloroethene	200	0.2788414										
1,2-Dichloropropane	200	0.227723										
cis-1,3-Dichloropropene	200	0.4130799										
trans-1,3-Dichloropropene	200	0.4295012										
Ethylbenzene	200	1.634933										
2-Hexanone	200	0.1525265										
Isopropylbenzene	200	2.380043										
Methyl Acetate	200	0.142532										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D06026

SDG: KNM040512

Project: KNM

Calibration Date: 04/05/12 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	0.6795927										
Methylcyclohexane	200	0.3913639										
Methylene Chloride	200	0.3085399										
2-Butanone (MEK)	200	8.677185E-02										
4-Methyl-2-pentanone (MIBK)	200	0.1843117										
Styrene	200	1.055683										
1,1,2,2-Tetrachloroethane	200	0.4780774										
Tetrachloroethene	200	0.4393805										
Toluene	200	1.133514										
1,2,4-Trichlorobenzene	200	0.6888007										
1,1,1-Trichloroethane	200	0.5465924										
1,1,2-Trichloroethane	200	0.1724234										
Trichloroethene	200	0.3242403										
Trichlorofluoromethane	200	0.5794259										
1,1,2-Trichloro-1,2,2-trifluoroe	200	0.2425516										
Vinyl Chloride	200	0.2460509										
Xylene (Total)	600	0.6117361										
Dibromofluoromethane	40	0.3056906										
1,2-Dichloroethane-d4	40	0.1829172										
Toluene-d8	40	1.045934										
4-Bromofluorobenzene	40	0.5572562										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D06026

SDG: KNM040512

Project: KNM

Calibration Date: 04/05/12 00:00

Instrument: 328

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acetone	0.107341	13.74849	2.0332	0.1294661			15	
Benzene	1.030161	2.352429	5.318714	4.438408E-02			15	
Bromodichloromethane	0.404729	2.266938	7.294714	3.787121E-02			15	
Bromoform	0.2289258	11.491	11.38529	2.711141E-02			SPCC (0.1)	
Bromomethane	0.2010856	16.08471	1.378143	0.165158	0.99993		0.99	
Carbon Disulfide	0.802853	6.863563	2.148429	0.1156947			15	
Carbon Tetrachloride	0.5276078	1.93092	4.917571	6.653526E-02			15	
Chlorobenzene	1.000111	6.066271	10.31514	0.033493			SPCC (0.3)	
Chloroethane	0.1846499	9.886863	1.444286	0.2020341			15	
Chloroform	0.5657689	4.543351	4.367572	5.824483E-02			CCC (30)	
Chloromethane	0.2320351	10.9327	1.125571	0.2848321			SPCC (0.1)	
Cyclohexane	0.3493148	9.296076	4.701143	0.0458972			15	
1,2-Dibromo-3-chloropropane	9.859687E-02	14.64902	14.74814	1.568705E-02			15	
Dibromochloromethane	0.3544832	6.234097	9.53	1.819245E-02			15	
1,2-Dibromoethane	0.264227	3.120148	9.635714	0.0232765			15	
1,2-Dichlorobenzene	1.148789	1.650217	13.761	2.760492E-03			15	
1,3-Dichlorobenzene	1.277204	2.306383	13.19143	0.0310007			15	
1,4-Dichlorobenzene	1.320126	8.036618	13.31	9.941285E-03			15	
Dichlorodifluoromethane	0.2799446	10.40039	0.9958572	0.2269843			15	
1,1-Dichloroethane	0.5163196	5.184009	3.087857	0.1018547			SPCC (0.1)	
1,2-Dichloroethane	0.4739068	5.358614	5.381286	6.646567E-02			15	
1,1-Dichloroethene	0.2726621	5.294202	1.983	1.023677E-02			CCC (30)	
cis-1,2-Dichloroethene	0.2922642	1.812415	3.842857	6.065355E-02			15	
trans-1,2-Dichloroethene	0.2983927	7.651561	2.641	1.234906E-03			15	
1,2-Dichloropropane	0.233172	1.951883	6.820571	5.172993E-02			CCC (30)	
cis-1,3-Dichloropropene	0.3608064	13.76359	7.976857	0.0285732			15	
trans-1,3-Dichloropropene	0.3624556	15.46145	8.794429	3.820866E-02	0.99977		0.99	
Ethylbenzene	1.653626	4.444055	10.49671	3.537632E-02			CCC (30)	
2-Hexanone	0.1367577	19.24962	9.434	3.076556E-02	0.99764		0.99	
Isopropylbenzene	2.200169	11.16293	11.65371	3.180681E-02			15	
Methyl Acetate	0.1659929	13.73329	2.306	9.431822E-03			15	
Methyl tert-Butyl Ether	0.6994547	2.650782	2.653572	2.566564E-02			15	

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D06026

SDG: KNM040512

Project: KNM

Calibration Date: 04/05/12 00:00

Instrument: 328

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Methylcyclohexane	0.35899	10.10491	6.744857	3.801428E-02			15	
Methylene Chloride	0.4022761	34.01606	2.387571	0.1340137	0.99974		0.99	
2-Butanone (MEK)	9.380433E-02	5.998248	3.905571	0.1207065			15	
4-Methyl-2-pentanone (MIBK)	0.1628687	16.53775	8.259	3.791574E-02	0.99962		0.99	
Styrene	1.018772	12.7853	11.18629	2.849522E-02			15	
1,1,2,2-Tetrachloroethane	0.5043443	4.905125	12.066	2.409198E-02			SPCC (0.3)	
Tetrachloroethene	0.46602	5.428744	9.164142	1.329816E-02			15	
Toluene	1.161617	1.69406	8.421	1.875204E-02			CCC (30)	
1,2,4-Trichlorobenzene	0.6134893	9.630738	15.773	2.878672E-03			15	
1,1,1-Trichloroethane	0.5482425	1.654523	4.623714	4.790694E-02			15	
1,1,2-Trichloroethane	0.1768998	2.260168	9.024	1.268448E-03			15	
Trichloroethene	0.3263942	2.372507	6.475143	2.766961E-02			15	
Trichlorofluoromethane	0.6524394	8.231784	1.616143	0.1390505			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2741565	8.905847	1.983	1.023677E-02			15	
Vinyl Chloride	0.2764005	7.616038	1.174571	0.2736686			CCC (30)	
Xylene (Total)	0.6143178	7.371583	11.16057	2.745363E-02			15	
Dibromofluoromethane	0.3107107	1.106146	4.641857	0.0509259			15	
1,2-Dichloroethane-d4	0.1893423	2.088861	5.238	0.0142813			15	
Toluene-d8	1.030916	1.744721	8.329	2.279987E-02			15	
4-Bromofluorobenzene	0.5556058	1.116761	11.82229	2.286928E-03			15	

Response Factor Report 328

2D06026

Method Path : C:\msdchem\1\METHODS\
Method File : 8260B-WB56.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Fri Apr 06 07:23:47 2012
Response Via : Initial Calibration

Calibration Files
1 =1P0405A.D 2 =5P0405A.D 3 =10P0405A.D 4 =20P0405A.D 5 =40P0405A.D 6 =100P0405A.D 7 =200P0405A.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------								
2)		dichlorodifluo...	0.325	0.311	0.281	0.273	0.272	0.256	0.242	0.280	10.40
3)	P	chloromethane	0.271	0.254	0.234	0.231	0.231	0.207	0.196	0.232	10.93
4)	C	vinyl chloride	0.302	0.300	0.278	0.274	0.281	0.254	0.246	0.276	7.62#
5)		bromomethane	0.264	0.224	0.198	0.184	0.181	0.180	0.176	0.201	16.08
6)		chloroethane	0.216	0.197	0.188	0.182	0.181	0.168	0.161	0.185	9.89
7)		dichlorofluoro...	0.658	0.637	0.595	0.571	0.579	0.549	0.529	0.588	7.83
8)		trichlorofluor...	0.733	0.709	0.662	0.637	0.639	0.609	0.579	0.652	8.23
9)		ethyl ether	0.131	0.130	0.124	0.120	0.124	0.116	0.114	0.123	5.14
10)		acrolein	0.027	0.035	0.032	0.032	0.035	0.032	0.032	0.032	8.53
11)		1,1,2-trichlor...	0.314	0.295	0.280	0.265	0.269	0.254	0.243	0.274	8.91
12)	C	1,1-dichloroet...	0.293	0.288	0.274	0.265	0.274	0.261	0.253	0.273	5.29#
13)		acetone		0.131	0.111	0.101	0.103	0.091		0.107	13.75
14)		iodomethane	0.300	0.349	0.385	0.410	0.430	0.429	0.418	0.389	12.47
15)		carbon disulfide	0.908	0.842	0.790	0.772	0.796	0.754	0.757	0.803	6.86
16)		methyl acetate		0.207	0.175	0.158	0.163	0.151	0.143	0.166	13.73
17)		methylene chlo...	0.700	0.425	0.376	0.349	0.340	0.318	0.309	0.402	34.02
18)		acrylonitrile	0.089	0.089	0.083	0.078	0.081	0.082	0.078	0.083	5.57
19)		trans-1,2-dich...	0.340	0.320	0.292	0.282	0.287	0.289	0.279	0.298	7.65
20)		methyl (tert) ...	0.689	0.733	0.701	0.686	0.715	0.693	0.680	0.699	2.65
21)	P	1,1-dichloroet...	0.558	0.545	0.514	0.506	0.513	0.497	0.481	0.516	5.18
22)		vinyl acetate	0.358	0.383	0.390	0.423	0.478	0.425	0.458	0.416	10.21
23)		2,2-dichloropr...	0.383	0.415	0.406	0.412	0.434	0.435	0.434	0.417	4.58
24)		cis-1,2-dichlo...	0.291	0.294	0.287	0.288	0.302	0.296	0.288	0.292	1.81
25)		2-butanone (MEK)	0.099	0.091	0.090	0.091	0.102	0.097	0.087	0.094	6.00
26)		bromochloromet...	0.226	0.215	0.206	0.201	0.204	0.195	0.189	0.205	6.07
27)		tetrahydrofuran		0.017	0.017	0.017	0.021	0.021	0.021	0.019	12.66
28)	C	chloroform	0.609	0.593	0.563	0.551	0.557	0.550	0.537	0.566	4.54#
29)	S	#Dibromofluoro...	0.316	0.313	0.313	0.310	0.309	0.309	0.306	0.311	1.11
30)		1,1,1-trichlor...	0.549	0.558	0.542	0.532	0.555	0.555	0.547	0.548	1.65
31)		cyclohexane	0.287	0.331	0.346	0.356	0.380	0.373	0.372	0.349	9.30
32)		carbon tetrach...	0.525	0.531	0.518	0.512	0.536	0.541	0.531	0.528	1.93
33)		1,1-dichloropr...	0.361	0.395	0.393	0.395	0.421	0.420	0.409	0.399	5.15
34)		benzene	1.053	1.066	1.026	1.008	1.039	1.023	0.996	1.030	2.35
35)		1,2-dichloroet...	0.511	0.508	0.474	0.461	0.462	0.455	0.447	0.474	5.36
36)		heptane								0.000	-1.00
37)	s	#1,2-Dichloroe...	0.193	0.194	0.192	0.189	0.188	0.186	0.183	0.189	2.09
38)		trichloroethene	0.330	0.333	0.322	0.312	0.331	0.333	0.324	0.326	2.37
39)		methylcyclohexane	0.293	0.332	0.354	0.367	0.392	0.384	0.391	0.359	10.10

S1798

Method Path : C:\msdchem\1\METHODS\
Method File : 8260B-WB56.M

40)	C	1,2-dichloropr...	0.229	0.239	0.239	0.230	0.235	0.232	0.228	0.233	1.95#
41)		dibromomethane	0.183	0.179	0.170	0.164	0.169	0.165	0.162	0.170	4.73
42)		1,4-dioxane								0.000	-1.00
43)		bromodichlorom...	0.398	0.404	0.395	0.395	0.410	0.416	0.415	0.405	2.27
44)		2-chloroethyl ...		0.023	0.026	0.029	0.037	0.040	0.041	0.033	23.36
45)		cis-1,3-dichlo...	0.285	0.318	0.337	0.364	0.398	0.412	0.413	0.361	13.76
46)		4-methyl-2-pen...		0.128	0.134	0.159	0.184	0.188	0.184	0.163	16.54
47)	s	#Toluene-d8	1.002	1.013	1.033	1.032	1.036	1.055	1.046	1.031	1.74
48)	C	toluene	1.154	1.187	1.161	1.144	1.182	1.171	1.134	1.162	1.69#
49)		trans-1,3-dich...	0.281	0.316	0.332	0.359	0.398	0.421	0.430	0.362	15.46
50)		1,1,2-trichlor...	0.182	0.182	0.176	0.172	0.178	0.176	0.172	0.177	2.26
51)		Chlorobenzene-d5	----------ISTD----------								
52)		tetrachloroethene	0.514	0.485	0.460	0.452	0.462	0.450	0.439	0.466	5.43
53)		1,3-dichloropr...	0.436	0.470	0.463	0.462	0.478	0.461	0.456	0.461	2.86
54)		2-hexanone (MBK)		0.101	0.112	0.130	0.160	0.165	0.153	0.137	19.25
55)		dibromochlorom...	0.322	0.339	0.341	0.351	0.376	0.374	0.379	0.354	6.23
56)		1,2-dibromoethane	0.250	0.265	0.259	0.265	0.277	0.268	0.267	0.264	3.12
57)	P	chlorobenzene	1.107	1.050	0.995	0.974	0.995	0.950	0.930	1.000	6.07
58)		1-chlorohexane	0.301	0.325	0.313	0.318	0.329	0.315	0.313	0.316	2.92
59)		1,1,1,2-tetrac...	0.377	0.378	0.366	0.375	0.392	0.382	0.382	0.379	2.15
60)	C	ethylbenzene	1.503	1.687	1.666	1.673	1.739	1.674	1.635	1.654	4.44#
61)		m+p-xylene	0.551	0.658	0.646	0.652	0.668	0.633	0.615	0.632	6.29
62)		o-xylene	0.449	0.555	0.581	0.606	0.637	0.621	0.606	0.579	10.93
63)		styrene	0.731	1.022	1.048	1.077	1.118	1.080	1.056	1.019	12.79
64)	P	bromoform	0.194	0.211	0.211	0.221	0.245	0.257	0.264	0.229	11.49
65)	S	#4-Bromofluoro...	0.542	0.556	0.555	0.561	0.558	0.560	0.557	0.556	1.12
66)	I	1,4-Dichlorobenzen...	----------ISTD----------								
67)		isopropylbenzene	1.706	2.106	2.169	2.268	2.419	2.353	2.380	2.200	11.16
68)		bromobenzene	1.045	0.993	0.954	0.945	0.969	0.945	0.944	0.971	3.84
69)	P	1,1,2,2-tetrac...	0.537	0.537	0.497	0.486	0.511	0.484	0.478	0.504	4.91
70)		1,2,3-trichlor...	0.210	0.199	0.197	0.189	0.197	0.190	0.184	0.195	4.26
71)		1,4-dichloro-2...	0.119	0.156	0.155	0.163	0.183	0.187	0.190	0.165	15.13
72)		n-propylbenzene	0.564	0.666	0.674	0.694	0.717	0.688	0.683	0.669	7.38
73)		2-chlorotoluene	0.582	0.644	0.628	0.630	0.641	0.620	0.605	0.621	3.51
74)		1,3,5-trimethy...	1.632	2.111	2.074	2.116	2.176	2.097	2.073	2.040	8.98
75)		4-chlorotoluene	1.842	2.098	2.078	2.102	2.169	2.105	2.070	2.066	5.02
76)		tert-butylbenzene	1.277	1.593	1.661	1.745	1.850	1.814	1.812	1.679	11.87
77)		1,2,4-trimethy...	1.465	2.031	2.072	2.101	2.190	2.133	2.122	2.016	12.31
78)		sec-butylbenzene	1.825	2.261	2.309	2.386	2.523	2.454	2.483	2.320	10.24
79)		1,3-dichlorobe...	1.312	1.319	1.272	1.257	1.285	1.257	1.240	1.277	2.31
80)		4-isopropyltol...	2.144	2.228	2.126	2.150	2.232	2.150	2.168	2.171	1.95
81)		1,4-dichlorobe...	1.525	1.384	1.314	1.274	1.293	1.237	1.213	1.320	8.04
82)		1,2-dichlorobe...	1.171	1.143	1.121	1.133	1.173	1.150	1.152	1.149	1.65
83)		n-butylbenzene	1.236	1.512	1.625	1.666	1.769	1.728	1.783	1.617	11.89
84)		hexachloroethane	0.228	0.254	0.262	0.274	0.309	0.324	0.348	0.286	14.95
85)		1,2-dibromo-3-...	0.082	0.087	0.087	0.095	0.109	0.113	0.117	0.099	14.65
86)		1,2,4-trichlor...	0.569	0.537	0.569	0.602	0.665	0.664	0.689	0.613	9.63

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Method Path : C:\msdchem\1\METHODS\
Method File : 8260B-WB56.M

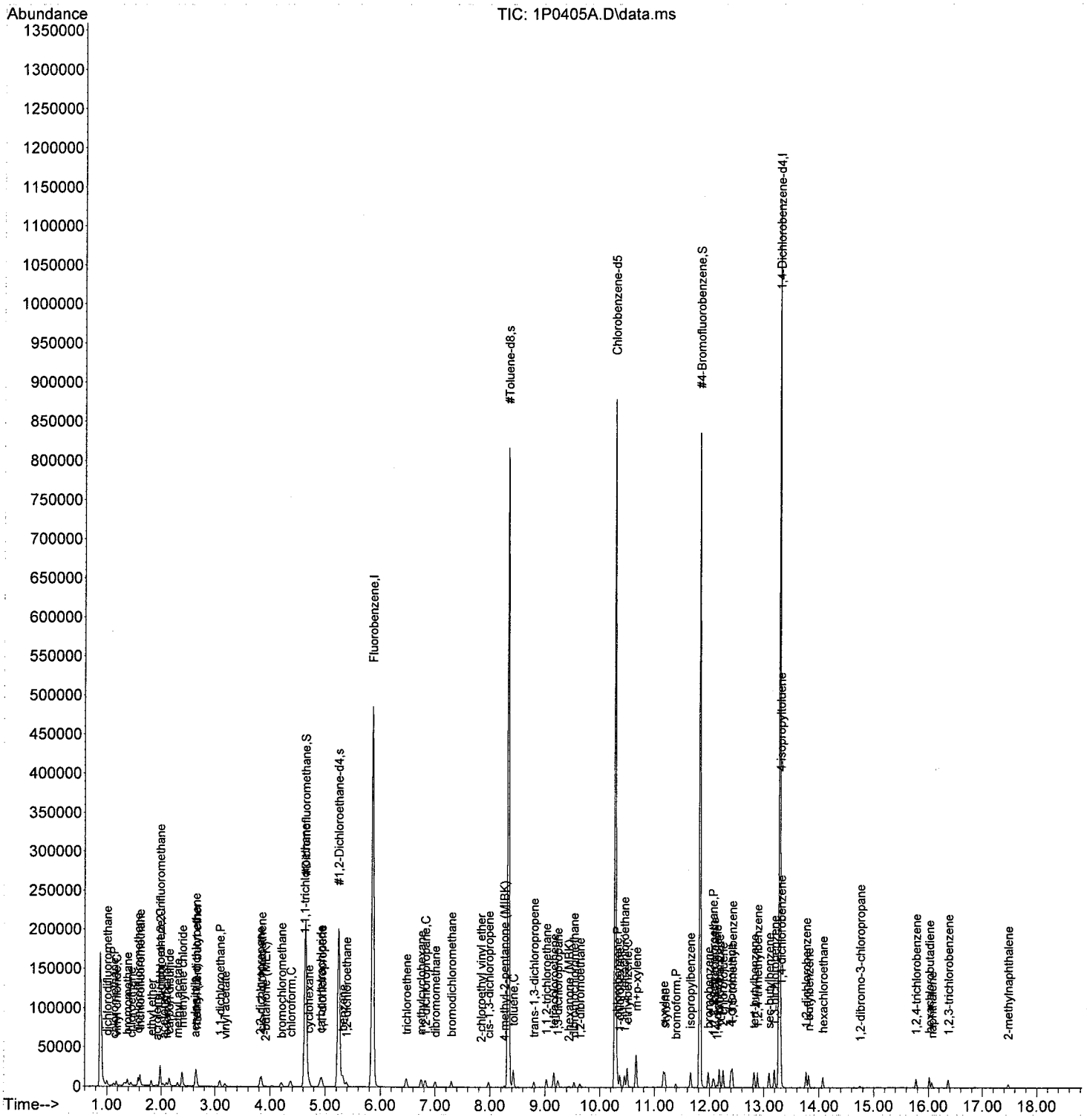
87)	hexachlorobuta...	0.390	0.352	0.326	0.323	0.331	0.319	0.343	0.340	7.23
88)	naphthalene		0.910	1.074	1.205	1.368	1.365	1.343	1.211	15.47
89)	1,2,3-trichlor...	0.546	0.517	0.527	0.544	0.589	0.572	0.585	0.554	5.08
90)	2-methylnaphth...	0.356	0.211	0.220	0.292	0.421	0.415	0.422	0.334	27.96

(#) = Out of Range

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 1P0405A.D
Acq On : 5 Apr 2012 20:02
Operator : DLV
Sample : 1PA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 20:22:11 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 1P0405A.D
Acq On : 5 Apr 2012 20:02
Operator : DLV
Sample : 1PA
Misc :
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Quant Time: Apr 05 20:22:11 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.854	96	567117	40.00	ug/L		-0.01
51) Chlorobenzene-d5	10.280	117	471892	40.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4	13.280	152	302878	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	4.641	111	179281	43.93	ug/L		-0.02
Spiked Amount 40.000			Recovery = 109.82%				
37) #1,2-Dichloroethane-d4	5.238	67	109632	49.09	ug/L		-0.02
Spiked Amount 40.000			Recovery = 122.73%				
47) #Toluene-d8	8.329	98	568382	39.30	ug/L		-0.01
Spiked Amount 40.000			Recovery = 98.25%				
65) #4-Bromofluorobenzene	11.822	95	255871	42.28	ug/L		0.00
Spiked Amount 40.000			Recovery = 105.70%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.001	85	4603	1.29	ug/L		98
3) chloromethane	1.129	50	3841	1.12	ug/L		96
4) vinyl chloride	1.178	62	4284	1.06	ug/L		93
5) bromomethane	1.379	94	3748	1.84	ug/L		96
6) chloroethane	1.446	64	3065	1.19	ug/L		93
7) dichlorofluoromethane	1.574	67	9325	1.33	ug/L		99
8) trichlorofluoromethane	1.611	101	10387	1.45	ug/L		98
9) ethyl ether	1.818	74	1851	1.05	ug/L		88
10) acrolein	1.916	56	387	0.87	ug/L	#	96
11) 1,1,2-trichloro-1,2,2-...	1.983	101	4447	1.30	ug/L		96
12) 1,1-dichloroethene	1.983	96	4158	1.13	ug/L	#	86
13) acetone	2.038	43	4435	0.09	ug/L	#	83
14) iodomethane	2.099	142	4258	0.86	ug/L		90
15) carbon disulfide	2.148	76	12875	1.25	ug/L		98
16) methyl acetate	2.306	43	4905	2.26	ug/L		92
17) methylene chloride	2.391	49	9921	0.34	ug/L		97
18) acrylonitrile	2.623	53	1264	1.07	ug/L		91
19) trans-1,2-dichloroethene	2.641	96	4823	1.09	ug/L		97
20) methyl (tert) butyl ether	2.654	73	9769	0.96	ug/L		98
21) 1,1-dichloroethane	3.086	63	7908	1.09	ug/L		97
22) vinyl acetate	3.178	43	5069	0.77	ug/L		90
23) 2,2-dichloropropane	3.818	77	5431	0.95	ug/L		96
24) cis-1,2-dichloroethene	3.842	96	4131	0.91	ug/L		94
25) 2-butanone (MEK)	3.915	43	1404	1.01	ug/L	#	55
26) bromochloromethane	4.202	49	3207	1.08	ug/L		93
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	4.373	83	8638	1.15	ug/L		97
30) 1,1,1-trichloroethane	4.623	97	7781	1.11	ug/L		95
31) cyclohexane	4.702	56	4065	0.70	ug/L		96
32) carbon tetrachloride	4.921	117	7437	1.18	ug/L		99
33) 1,1-dichloropropene	4.940	75	5124	0.87	ug/L		94
34) benzene	5.318	78	14926	0.94	ug/L	#	70
35) 1,2-dichloroethane	5.385	62	7241	1.28	ug/L		87
36) heptane	5.854	57	19704	No Calib			
38) trichloroethene	6.476	130	4685	0.92	ug/L		96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 1P0405A.D
Acq On : 5 Apr 2012 20:02
Operator : DLV
Sample : 1PA
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 20:22:11 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

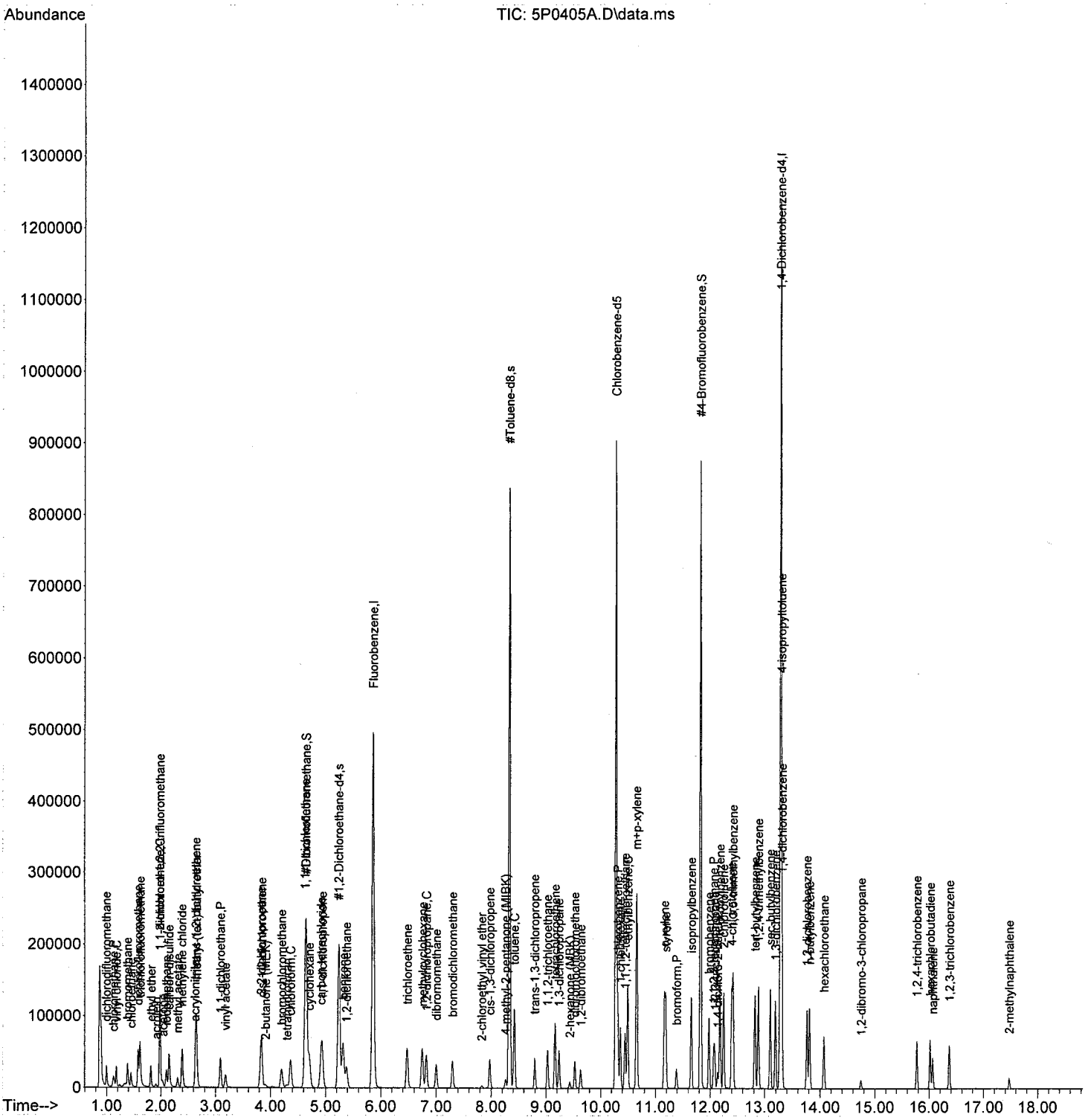
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	6.744	83	4156	0.66	ug/L		95
40) 1,2-dichloropropane	6.823	63	3252	0.89	ug/L	#	82
41) dibromomethane	7.000	93	2598	1.11	ug/L		93
42) 1,4-dioxane	0.000		0	N.D.			
43) bromodichloromethane	7.299	83	5637	1.04	ug/L		98
44) 2-chloroethyl vinyl ether	7.835	63	56	0.14	ug/L	#	42
45) cis-1,3-dichloropropene	7.982	75	4047	0.71	ug/L		92
46) 4-methyl-2-pentanone (...	8.262	43	1453	0.56	ug/L	#	71
48) toluene	8.421	91	16355	0.92	ug/L		99
49) trans-1,3-dichloropropene	8.799	75	3986	0.75	ug/L		92
50) 1,1,2-trichloroethane	9.024	83	2581	0.97	ug/L		94
52) tetrachloroethene	9.164	166	6058	1.08	ug/L		97
53) 1,3-dichloropropane	9.238	76	5139	0.92	ug/L		95
54) 2-hexanone (MBK)	9.439	43	1051	0.62	ug/L	#	72
55) dibromochloromethane	9.530	129	3798	0.96	ug/L		100
56) 1,2-dibromoethane	9.640	109	2949	0.92	ug/L	#	100
57) chlorobenzene	10.317	112	13062	1.09	ug/L		97
58) 1-chlorohexane	10.359	55	3551	0.99	ug/L		83
59) 1,1,1,2-tetrachloroethane	10.445	131	4444	1.04	ug/L		95
60) ethylbenzene	10.500	91	17730	0.91	ug/L		99
61) m+p-xylene	10.664	106	12992	1.69	ug/L		97
62) o-xylene	11.164	106	5297	0.72	ug/L		96
63) styrene	11.188	104	8627	0.68	ug/L		92
64) bromoform	11.390	173	2294	3.23	ug/L		90
67) isopropylbenzene	11.652	105	12921	0.70	ug/L		97
68) bromobenzene	11.981	77	7914	1.08	ug/L		94
69) 1,1,2,2-tetrachloroethane	12.066	83	4068	1.00	ug/L	#	99
70) 1,2,3-trichloropropane	12.091	110	1590	1.08	ug/L		92
71) 1,4-dichloro-2-butene	12.139	53	901	2.72	ug/L	#	63
72) n-propylbenzene	12.182	120	4267	0.76	ug/L		97
73) 2-chlorotoluene	12.249	126	4407	0.88	ug/L		95
74) 1,3,5-trimethylbenzene	12.420	105	12358	0.77	ug/L		99
75) 4-chlorotoluene	12.396	91	13951	0.88	ug/L		99
76) tert-butylbenzene	12.816	119	9673	0.68	ug/L		93
77) 1,2,4-trimethylbenzene	12.883	105	11092	0.68	ug/L		100
78) sec-butylbenzene	13.097	105	13818	0.71	ug/L		97
79) 1,3-dichlorobenzene	13.194	146	9931	0.98	ug/L		98
80) 4-isopropyltoluene	13.298	119	16232	0.95	ug/L		92
81) 1,4-dichlorobenzene	13.310	146	11551	1.14	ug/L	#	74
82) 1,2-dichlorobenzene	13.761	146	8865	0.96	ug/L		96
83) n-butylbenzene	13.810	91	9360	0.71	ug/L		96
84) hexachloroethane	14.072	201	1725	3.99	ug/L	#	66
85) 1,2-dibromo-3-chloropr...	14.749	157	618	3.17	ug/L		86
86) 1,2,4-trichlorobenzene	15.773	180	4306	0.83	ug/L		99
87) hexachlorobutadiene	16.017	225	2951	1.14	ug/L		99
88) naphthalene	16.066	128	6486	0.60	ug/L		97
89) 1,2,3-trichlorobenzene	16.370	180	4136	0.92	ug/L		99
90) 2-methylnaphthalene	17.474	142	2696	0.78	ug/L		96

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 5P0405A.D
Acq On : 5 Apr 2012 20:30
Operator : DLV
Sample : 5PA
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 07:13:35 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration



00781

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 5P0405A.D
Acq On : 5 Apr 2012 20:30
Operator : DLV
Sample : 5PA
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 07:13:35 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.854	96	580570	40.00	ug/L		-0.01
51) Chlorobenzene-d5	10.280	117	485289	40.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4	13.279	152	320439	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	4.641	111	181670	43.49	ug/L		-0.02
Spiked Amount 40.000			Recovery = 108.73%				
37) #1,2-Dichloroethane-d4	5.238	67	112451	49.18	ug/L		-0.02
Spiked Amount 40.000			Recovery = 122.95%				
47) #Toluene-d8	8.329	98	588389	39.74	ug/L		-0.01
Spiked Amount 40.000			Recovery = 99.35%				
65) #4-Bromofluorobenzene	11.822	95	269929	43.38	ug/L		0.00
Spiked Amount 40.000			Recovery = 108.45%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.995	85	22584	6.18	ug/L		98
3) chloromethane	1.123	50	18419	5.25	ug/L		100
4) vinyl chloride	1.178	62	21787	5.28	ug/L		100
5) bromomethane	1.379	94	16230	7.79	ug/L		99
6) chloroethane	1.446	64	14290	5.42	ug/L		99
7) dichlorofluoromethane	1.580	67	46222	6.46	ug/L		99
8) trichlorofluoromethane	1.617	101	51425	7.04	ug/L		99
9) ethyl ether	1.818	74	9418	5.20	ug/L		97
10) acrolein	1.910	56	2575	5.69	ug/L	#	96
11) 1,1,2-trichloro-1,2,2-...	1.983	101	21437	6.10	ug/L		98
12) 1,1-dichloroethene	1.983	96	20924	5.55	ug/L		87
13) acetone	2.038	43	9483	6.03	ug/L	#	88
14) iodomethane	2.099	142	25292	5.01	ug/L		89
15) carbon disulfide	2.147	76	61096	5.80	ug/L		100
16) methyl acetate	2.306	43	15006	6.75	ug/L		96
17) methylene chloride	2.385	49	30851	5.35	ug/L		93
18) acrylonitrile	2.623	53	6491	5.39	ug/L		97
19) trans-1,2-dichloroethene	2.641	96	23228	5.13	ug/L		95
20) methyl (tert) butyl ether	2.653	73	53179	5.10	ug/L		99
21) 1,1-dichloroethane	3.086	63	39571	5.35	ug/L		99
22) vinyl acetate	3.178	43	27821	4.13	ug/L		96
23) 2,2-dichloropropane	3.830	77	30153	5.16	ug/L		95
24) cis-1,2-dichloroethene	3.842	96	21320	4.56	ug/L		92
25) 2-butanone (MEK)	3.909	43	6611	4.62	ug/L		91
26) bromochloromethane	4.202	49	15587	5.12	ug/L		98
27) tetrahydrofuran	4.299	71	1208	3.62	ug/L	#	81
28) chloroform	4.366	83	43005	5.61	ug/L		100
30) 1,1,1-trichloroethane	4.629	97	40515	5.65	ug/L		97
31) cyclohexane	4.702	56	24035	4.02	ug/L		99
32) carbon tetrachloride	4.915	117	38520	5.96	ug/L		99
33) 1,1-dichloropropene	4.939	75	28643	4.74	ug/L		97
34) benzene	5.324	78	77327	4.74	ug/L		96
35) 1,2-dichloroethane	5.378	62	36839	6.35	ug/L		94
36) heptane	5.854	57	19949	No Calib			
38) trichloroethene	6.476	130	24139	4.63	ug/L		98

00782

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 5P0405A.D
Acq On : 5 Apr 2012 20:30
Operator : DLV
Sample : 5PA
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 07:13:35 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	6.750	83	24094	3.75	ug/L		94
40) 1,2-dichloropropane	6.823	63	17351	4.63	ug/L		97
41) dibromomethane	7.000	93	13026	5.43	ug/L		93
42) 1,4-dioxane	0.000		0	N.D.			
43) bromodichloromethane	7.299	83	29324	5.29	ug/L		100
44) 2-chloroethyl vinyl ether	7.829	63	1659	4.13	ug/L		97
45) cis-1,3-dichloropropene	7.976	75	23053	3.95	ug/L		91
46) 4-methyl-2-pentanone (...	8.262	43	9288	3.48	ug/L		94
48) toluene	8.421	91	86140	4.75	ug/L		99
49) trans-1,3-dichloropropene	8.792	75	22947	4.20	ug/L		95
50) 1,1,2-trichloroethane	9.024	83	13174	4.83	ug/L		99
52) tetrachloroethene	9.164	166	29436	5.12	ug/L		97
53) 1,3-dichloropropane	9.237	76	28515	4.96	ug/L		99
54) 2-hexanone (MBK)	9.439	43	6148	3.51	ug/L		91
55) dibromochloromethane	9.530	129	20567	5.04	ug/L		98
56) 1,2-dibromoethane	9.640	109	16069	4.86	ug/L	#	100
57) chlorobenzene	10.317	112	63667	5.17	ug/L		91
58) 1-chlorohexane	10.365	55	19743	5.36	ug/L		83
59) 1,1,1,2-tetrachloroethane	10.451	131	22936	5.22	ug/L		98
60) ethylbenzene	10.499	91	102306	5.08	ug/L		99
61) m+p-xylene	10.658	106	79853	10.08	ug/L		93
62) o-xylene	11.164	106	33659	4.46	ug/L		92
63) styrene	11.188	104	61977	4.78	ug/L		93
64) bromoform	11.389	173	12771	6.40	ug/L		98
67) isopropylbenzene	11.658	105	84344	4.33	ug/L		100
68) bromobenzene	11.981	77	39780	5.11	ug/L		95
69) 1,1,2,2-tetrachloroethane	12.066	83	21504	5.02	ug/L	#	99
70) 1,2,3-trichloropropane	12.091	110	7980	5.11	ug/L		89
71) 1,4-dichloro-2-butene	12.139	53	6246	6.30	ug/L	#	66
72) n-propylbenzene	12.182	120	26669	4.52	ug/L		93
73) 2-chlorotoluene	12.249	126	25796	4.86	ug/L		92
74) 1,3,5-trimethylbenzene	12.420	105	84570	4.96	ug/L		96
75) 4-chlorotoluene	12.395	91	84037	4.99	ug/L		97
76) tert-butylbenzene	12.822	119	63815	4.27	ug/L		96
77) 1,2,4-trimethylbenzene	12.883	105	81353	4.75	ug/L		97
78) sec-butylbenzene	13.096	105	90575	4.42	ug/L		100
79) 1,3-dichlorobenzene	13.194	146	52819	4.93	ug/L		98
80) 4-isopropyltoluene	13.298	119	89251	4.91	ug/L		97
81) 1,4-dichlorobenzene	13.310	146	55452	5.18	ug/L		94
82) 1,2-dichlorobenzene	13.761	146	45789	4.67	ug/L		98
83) n-butylbenzene	13.810	91	60568	4.32	ug/L		96
84) hexachloroethane	14.072	201	10183	6.77	ug/L	#	76
85) 1,2-dibromo-3-chloropr...	14.749	157	3479	5.87	ug/L		87
86) 1,2,4-trichlorobenzene	15.773	180	21496	3.89	ug/L		98
87) hexachlorobutadiene	16.017	225	14094	5.16	ug/L		97
88) naphthalene	16.065	128	36435	3.19	ug/L		99
89) 1,2,3-trichlorobenzene	16.370	180	20706	4.35	ug/L		98
90) 2-methylnaphthalene	17.474	142	8436	2.29	ug/L		99

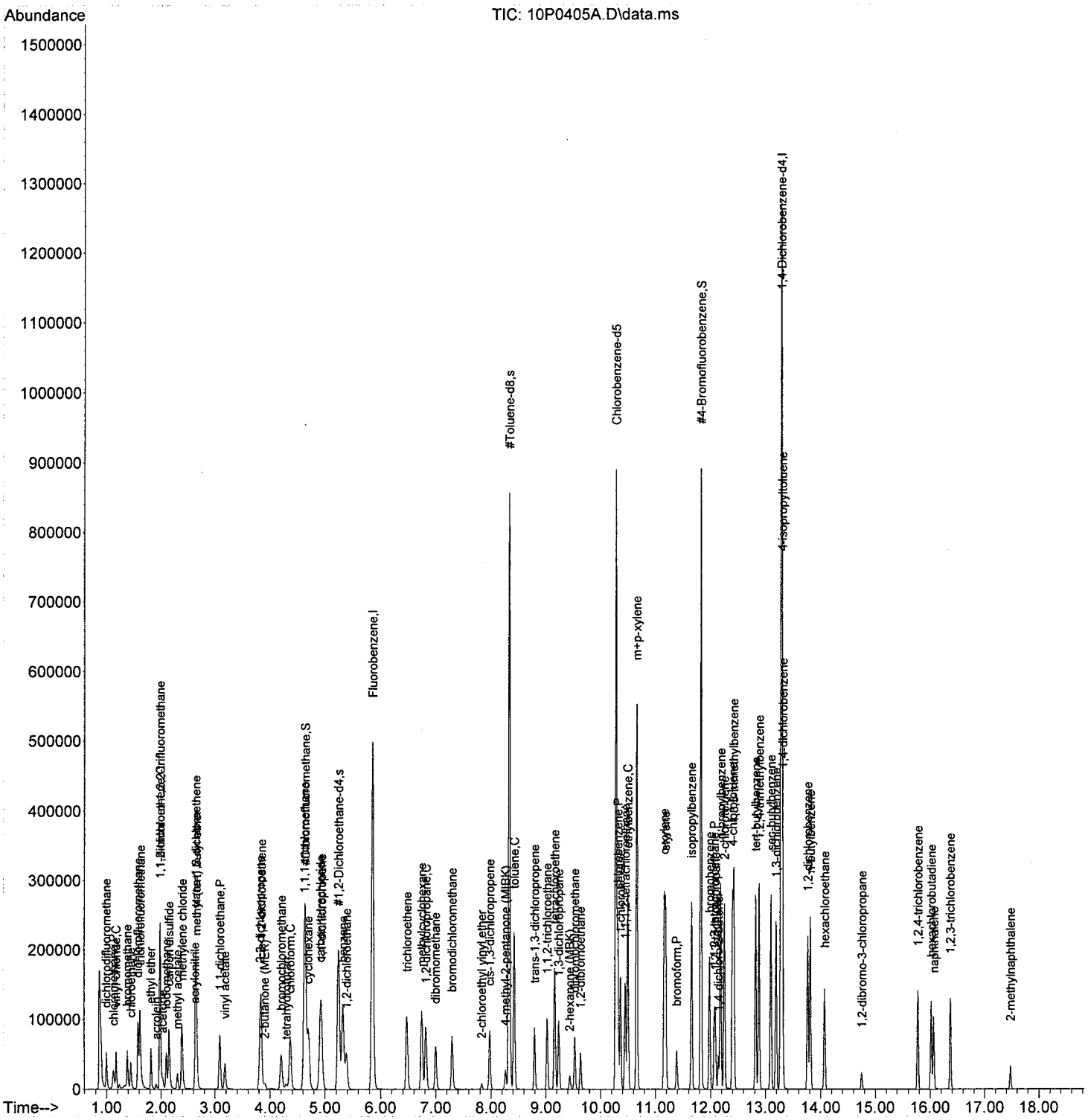
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00783

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 10P0405A.D
Acq On : 5 Apr 2012 20:57
Operator : DLV
Sample : 10PA
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 07:13:46 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration



00784

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 10P0405A.D
Acq On : 5 Apr 2012 20:57
Operator : DLV
Sample : 10PA
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 07:13:46 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.854	96	582155	40.00	ug/L		-0.01
51) Chlorobenzene-d5	10.280	117	488409	40.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4	13.280	152	323766	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	4.641	111	182005	43.45	ug/L		-0.02
Spiked Amount 40.000			Recovery = 108.63%				
37) #1,2-Dichloroethane-d4	5.238	67	111826	48.77	ug/L		-0.02
Spiked Amount 40.000			Recovery = 121.93%				
47) #Toluene-d8	8.329	98	601199	40.49	ug/L		-0.01
Spiked Amount 40.000			Recovery = 101.23%				
65) #4-Bromofluorobenzene	11.822	95	271196	43.30	ug/L		0.00
Spiked Amount 40.000			Recovery = 108.25%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.995	85	40849	11.15	ug/L		99
3) chloromethane	1.129	50	33998	9.66	ug/L		100
4) vinyl chloride	1.172	62	40388	9.75	ug/L		99
5) bromomethane	1.379	94	28878	13.82	ug/L		98
6) chloroethane	1.446	64	27301	10.33	ug/L		99
7) dichlorofluoromethane	1.574	67	86534	12.06	ug/L		99
8) trichlorofluoromethane	1.617	101	96314	13.14	ug/L		99
9) ethyl ether	1.812	74	18052	9.93	ug/L		97
10) acrolein	1.910	56	4651	10.24	ug/L	#	96
11) 1,1,2-trichloro-1,2,2-...	1.983	101	40723	11.55	ug/L		96
12) 1,1-dichloroethene	1.983	96	39920	10.56	ug/L		87
13) acetone	2.032	43	16114	13.96	ug/L	#	88
14) iodomethane	2.099	142	56099	11.08	ug/L		89
15) carbon disulfide	2.154	76	115031	10.90	ug/L		100
16) methyl acetate	2.306	43	25436	11.42	ug/L		97
17) methylene chloride	2.391	49	54694	11.09	ug/L		94
18) acrylonitrile	2.623	53	12033	9.96	ug/L		96
19) trans-1,2-dichloroethene	2.641	96	42434	9.34	ug/L		92
20) methyl (tert) butyl ether	2.654	73	102026	9.76	ug/L		98
21) 1,1-dichloroethane	3.086	63	74804	10.08	ug/L		99
22) vinyl acetate	3.178	43	56799	8.42	ug/L		99
23) 2,2-dichloropropane	3.824	77	59106	10.09	ug/L		96
24) cis-1,2-dichloroethene	3.842	96	41836	8.93	ug/L		93
25) 2-butanone (MEK)	3.903	43	13100	9.14	ug/L		95
26) bromochloromethane	4.202	49	30050	9.85	ug/L		96
27) tetrahydrofuran	4.293	71	2451	7.33	ug/L	#	87
28) chloroform	4.367	83	81955	10.66	ug/L		99
30) 1,1,1-trichloroethane	4.623	97	78837	10.96	ug/L		98
31) cyclohexane	4.696	56	50368	8.40	ug/L		98
32) carbon tetrachloride	4.921	117	75394	11.64	ug/L		100
33) 1,1-dichloropropene	4.940	75	57186	9.44	ug/L		97
34) benzene	5.318	78	149349	9.13	ug/L		95
35) 1,2-dichloroethane	5.385	62	68947	11.84	ug/L		94
36) heptane	5.854	57	20256	No Calib			
38) trichloroethene	6.476	130	46800	8.95	ug/L		97

00785

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 10P0405A.D
Acq On : 5 Apr 2012 20:57
Operator : DLV
Sample : 10PA
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 07:13:46 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	6.744	83	51465	7.99	ug/L		94
40)	1,2-dichloropropane	6.823	63	34783	9.25	ug/L		99
41)	dibromomethane	6.994	93	24734	10.29	ug/L		94
42)	1,4-dioxane	0.000		0	N.D.			
43)	bromodichloromethane	7.293	83	57554	10.35	ug/L		100
44)	2-chloroethyl vinyl ether	7.829	63	3835	9.53	ug/L		94
45)	cis-1,3-dichloropropene	7.976	75	49008	8.37	ug/L		92
46)	4-methyl-2-pentanone (...	8.262	43	19473	7.27	ug/L		95
48)	toluene	8.421	91	168921	9.29	ug/L		100
49)	trans-1,3-dichloropropene	8.799	75	48360	8.82	ug/L		95
50)	1,1,2-trichloroethane	9.024	83	25599	9.37	ug/L		100
52)	tetrachloroethene	9.164	166	56156	9.71	ug/L		98
53)	1,3-dichloropropane	9.238	76	56555	9.77	ug/L		100
54)	2-hexanone (MBK)	9.433	43	13661	7.75	ug/L		92
55)	dibromochloromethane	9.530	129	41616	10.14	ug/L		99
56)	1,2-dibromoethane	9.634	109	31602	9.50	ug/L	#	100
57)	chlorobenzene	10.317	112	121476	9.81	ug/L		94
58)	1-chlorohexane	10.365	55	38254	10.32	ug/L		87
59)	1,1,1,2-tetrachloroethane	10.451	131	44643	10.09	ug/L		98
60)	ethylbenzene	10.493	91	203373	10.04	ug/L		98
61)	m+p-xylene	10.658	106	157809	19.79	ug/L		94
62)	o-xylene	11.158	106	70975	9.35	ug/L		95
63)	styrene	11.182	104	127978	9.81	ug/L		94
64)	bromoform	11.384	173	25758	10.29	ug/L		98
67)	isopropylbenzene	11.652	105	175535	8.93	ug/L		100
68)	bromobenzene	11.981	77	77231	9.83	ug/L		95
69)	1,1,2,2-tetrachloroethane	12.066	83	40219	9.29	ug/L	#	100
70)	1,2,3-trichloropropane	12.085	110	15954	10.10	ug/L		94
71)	1,4-dichloro-2-butene	12.139	53	12570	10.50	ug/L	#	72
72)	n-propylbenzene	12.182	120	54554	9.15	ug/L		94
73)	2-chlorotoluene	12.249	126	50856	9.49	ug/L		92
74)	1,3,5-trimethylbenzene	12.420	105	167856	9.75	ug/L		98
75)	4-chlorotoluene	12.396	91	168212	9.89	ug/L		97
76)	tert-butylbenzene	12.816	119	134453	8.90	ug/L		95
77)	1,2,4-trimethylbenzene	12.883	105	167689	9.68	ug/L		97
78)	sec-butylbenzene	13.097	105	186920	9.02	ug/L		99
79)	1,3-dichlorobenzene	13.188	146	102955	9.50	ug/L		99
80)	4-isopropyltoluene	13.298	119	172096	9.37	ug/L		97
81)	1,4-dichlorobenzene	13.310	146	106369	9.83	ug/L		97
82)	1,2-dichlorobenzene	13.761	146	90720	9.15	ug/L		98
83)	n-butylbenzene	13.810	91	131528	9.29	ug/L		97
84)	hexachloroethane	14.072	201	21187	10.35	ug/L	#	81
85)	1,2-dibromo-3-chloropr...	14.749	157	7032	9.19	ug/L		89
86)	1,2,4-trichlorobenzene	15.773	180	46027	8.25	ug/L		99
87)	hexachlorobutadiene	16.017	225	26364	9.55	ug/L		98
88)	naphthalene	16.066	128	86894	7.52	ug/L		98
89)	1,2,3-trichlorobenzene	16.364	180	42684	8.88	ug/L		99
90)	2-methylnaphthalene	17.474	142	17814	4.79	ug/L		97

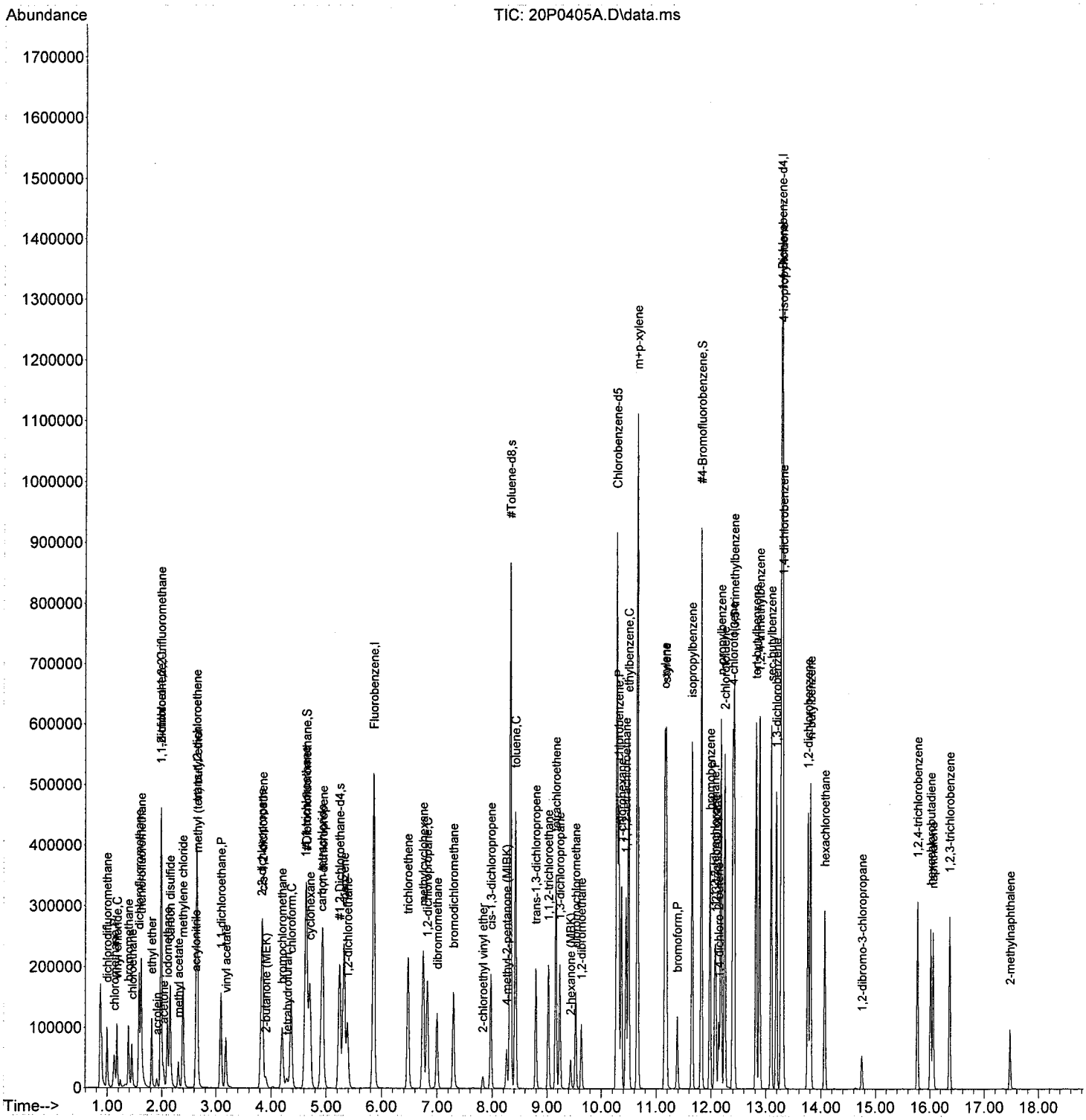
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00786

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 20P0405A.D
Acq On : 5 Apr 2012 21:25
Operator : DLV
Sample : 20PA
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 07:14:00 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration



00787

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 20P0405A.D
Acq On : 5 Apr 2012 21:25
Operator : DLV
Sample : 20PA
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 07:14:00 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.854	96	602161	40.00	ug/L	-0.01
51) Chlorobenzene-d5	10.280	117	502595	40.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.280	152	334962	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	4.641	111	186596	43.06	ug/L	-0.02
Spiked Amount 40.000			Recovery =	107.65%		
37) #1,2-Dichloroethane-d4	5.238	67	113688	47.94	ug/L	-0.02
Spiked Amount 40.000			Recovery =	119.85%		
47) #Toluene-d8	8.329	98	621213	40.45	ug/L	-0.01
Spiked Amount 40.000			Recovery =	101.13%		
65) #4-Bromofluorobenzene	11.823	95	281925	43.74	ug/L	0.00
Spiked Amount 40.000			Recovery =	109.35%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.995	85	82062	21.65	ug/L	99
3) chloromethane	1.123	50	69432	19.07	ug/L	99
4) vinyl chloride	1.172	62	82439	19.25	ug/L	99
5) bromomethane	1.379	94	55316	25.60	ug/L	99
6) chloroethane	1.446	64	54647	19.99	ug/L	99
7) dichlorofluoromethane	1.575	67	171808	23.14	ug/L	99
8) trichlorofluoromethane	1.617	101	191692	25.29	ug/L	99
9) ethyl ether	1.812	74	36115	19.21	ug/L	98
10) acrolein	1.910	56	9763	20.79	ug/L #	98
11) 1,1,2-trichloro-1,2,2-...	1.983	101	79750	21.88	ug/L	98
12) 1,1-dichloroethene	1.983	96	79732	20.38	ug/L #	86
13) acetone	2.032	43	30459	29.96	ug/L	89
14) iodomethane	2.099	142	123500	23.59	ug/L	89
15) carbon disulfide	2.148	76	232577	21.30	ug/L	100
16) methyl acetate	2.306	43	47647	20.68	ug/L	97
17) methylene chloride	2.385	49	105016	22.40	ug/L	94
18) acrylonitrile	2.623	53	23631	18.92	ug/L	97
19) trans-1,2-dichloroethene	2.641	96	84966	18.08	ug/L	93
20) methyl (tert) butyl ether	2.654	73	206562	19.11	ug/L	99
21) 1,1-dichloroethane	3.086	63	152349	19.84	ug/L	100
22) vinyl acetate	3.178	43	127288	18.23	ug/L	99
23) 2,2-dichloropropane	3.824	77	123986	20.47	ug/L	96
24) cis-1,2-dichloroethene	3.842	96	86618	17.88	ug/L	92
25) 2-butanone (MEK)	3.903	43	27256	18.38	ug/L	94
26) bromochloromethane	4.196	49	60375	19.14	ug/L	96
27) tetrahydrofuran	4.293	71	5136	14.85	ug/L #	83
28) chloroform	4.367	83	165859	20.85	ug/L	100
30) 1,1,1-trichloroethane	4.623	97	160258	21.55	ug/L	97
31) cyclohexane	4.702	56	107159	17.28	ug/L	99
32) carbon tetrachloride	4.915	117	154107	23.01	ug/L	100
33) 1,1-dichloropropene	4.940	75	118843	18.97	ug/L	98
34) benzene	5.318	78	303539	17.95	ug/L	94
35) 1,2-dichloroethane	5.379	62	138800	23.05	ug/L	94
36) heptane	5.854	57	20744	No Calib		
38) trichloroethene	6.470	130	93887	17.36	ug/L	96

00788

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 20P0405A.D
Acq On : 5 Apr 2012 21:25
Operator : DLV
Sample : 20PA
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 07:14:00 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	6.744	83	110627	16.60	ug/L		96
40)	1,2-dichloropropane	6.817	63	69328	17.83	ug/L		100
41)	dibromomethane	7.000	93	49420	19.87	ug/L		95
42)	1,4-dioxane	0.000		0	N.D.			
43)	bromodichloromethane	7.293	83	118831	20.66	ug/L		99
44)	2-chloroethyl vinyl ether	7.829	63	8863	21.29	ug/L		98
45)	cis-1,3-dichloropropene	7.976	75	109451	18.08	ug/L		93
46)	4-methyl-2-pentanone (...	8.262	43	47836	17.27	ug/L		94
48)	toluene	8.421	91	344370	18.32	ug/L		99
49)	trans-1,3-dichloropropene	8.793	75	108108	19.07	ug/L		95
50)	1,1,2-trichloroethane	9.024	83	51785	18.32	ug/L		99
52)	tetrachloroethene	9.164	166	113652	19.10	ug/L		98
53)	1,3-dichloropropane	9.238	76	116188	19.51	ug/L		99
54)	2-hexanone (MBK)	9.433	43	32780	18.06	ug/L		94
55)	dibromochloromethane	9.530	129	88158	20.87	ug/L		100
56)	1,2-dibromoethane	9.634	109	66534	19.44	ug/L	#	100
57)	chlorobenzene	10.311	112	244825	19.21	ug/L		96
58)	1-chlorohexane	10.365	55	79848	20.93	ug/L		88
59)	1,1,1,2-tetrachloroethane	10.445	131	94115	20.67	ug/L		98
60)	ethylbenzene	10.493	91	420306	20.17	ug/L		99
61)	m+p-xylene	10.658	106	327691	39.93	ug/L		95
62)	o-xylene	11.158	106	152376	19.52	ug/L		95
63)	styrene	11.182	104	270771	20.16	ug/L		93
64)	bromoform	11.384	173	55564	18.81	ug/L		98
67)	isopropylbenzene	11.652	105	379905	18.67	ug/L		99
68)	bromobenzene	11.981	77	158304	19.47	ug/L		95
69)	1,1,2,2-tetrachloroethane	12.066	83	81359	18.17	ug/L	#	99
70)	1,2,3-trichloropropane	12.085	110	31724	19.42	ug/L		94
71)	1,4-dichloro-2-butene	12.140	53	27378	19.80	ug/L	#	76
72)	n-propylbenzene	12.182	120	116286	18.84	ug/L		97
73)	2-chlorotoluene	12.249	126	105541	19.03	ug/L		93
74)	1,3,5-trimethylbenzene	12.420	105	354336	19.89	ug/L		97
75)	4-chlorotoluene	12.396	91	352028	20.01	ug/L		97
76)	tert-butylbenzene	12.816	119	292282	18.69	ug/L		96
77)	1,2,4-trimethylbenzene	12.883	105	351932	19.64	ug/L		98
78)	sec-butylbenzene	13.097	105	399618	18.64	ug/L		99
79)	1,3-dichlorobenzene	13.188	146	210569	18.79	ug/L		99
80)	4-isopropyltoluene	13.298	119	360011	18.95	ug/L		97
81)	1,4-dichlorobenzene	13.310	146	213301	19.05	ug/L		98
82)	1,2-dichlorobenzene	13.761	146	189692	18.49	ug/L		99
83)	n-butylbenzene	13.810	91	278954	19.04	ug/L		99
84)	hexachloroethane	14.072	201	45955	18.00	ug/L	#	85
85)	1,2-dibromo-3-chloropr...	14.749	157	15912	17.07	ug/L		91
86)	1,2,4-trichlorobenzene	15.773	180	100890	17.48	ug/L		99
87)	hexachlorobutadiene	16.017	225	54015	18.92	ug/L		99
88)	naphthalene	16.059	128	201759	16.88	ug/L		98
89)	1,2,3-trichlorobenzene	16.364	180	91182	18.33	ug/L		98
90)	2-methylnaphthalene	17.474	142	48839	12.70	ug/L		97

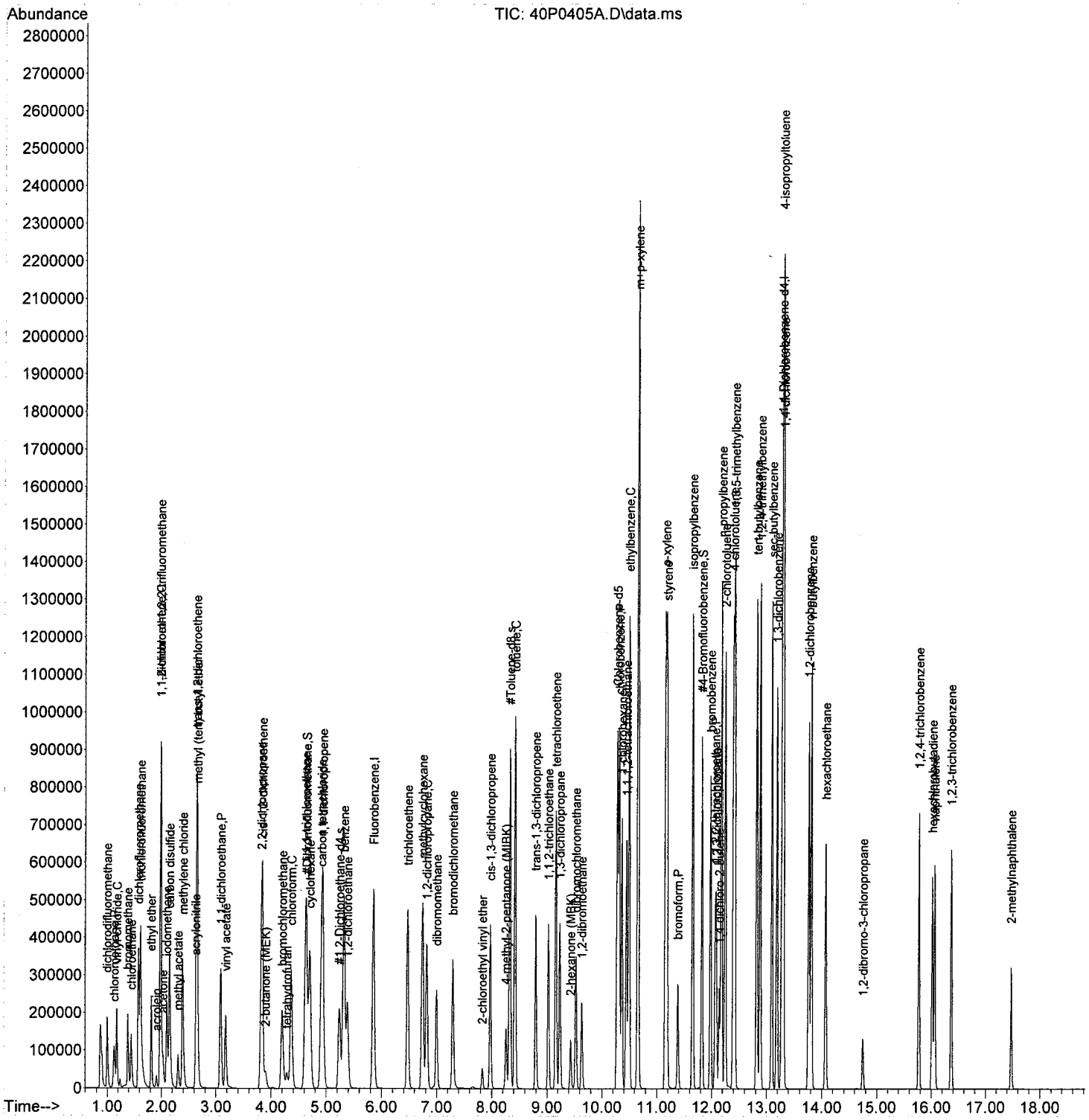
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00789

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 40P0405A.D
Acq On : 5 Apr 2012 21:53
Operator : DLV
Sample : 40PA
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 06 07:14:09 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration



00790

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 40P0405A.D
Acq On : 5 Apr 2012 21:53
Operator : DLV
Sample : 40PA
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 06 07:14:09 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.854	96	626532	40.00	ug/L	-0.01
51) Chlorobenzene-d5	10.280	117	523928	40.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.279	152	350457	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	4.641	111	193718	42.97	ug/L	-0.02
Spiked Amount 40.000			Recovery = 107.43%			
37) #1,2-Dichloroethane-d4	5.238	67	117911	47.79	ug/L	-0.02
Spiked Amount 40.000			Recovery = 119.47%			
47) #Toluene-d8	8.329	98	648987	40.62	ug/L	-0.01
Spiked Amount 40.000			Recovery = 101.55%			
65) #4-Bromofluorobenzene	11.822	95	292243	43.50	ug/L	0.00
Spiked Amount 40.000			Recovery = 108.75%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.995	85	170538	43.24	ug/L	99
3) chloromethane	1.129	50	144984	38.28	ug/L	100
4) vinyl chloride	1.178	62	175806	39.45	ug/L	99
5) bromomethane	1.379	94	113614	50.53	ug/L	99
6) chloroethane	1.446	64	113356	39.84	ug/L	99
7) dichlorofluoromethane	1.581	67	362800	46.96	ug/L	100
8) trichlorofluoromethane	1.617	101	400201	50.74	ug/L	100
9) ethyl ether	1.812	74	77997	39.88	ug/L	97
10) acrolein	1.910	56	22221	45.47	ug/L	100
11) 1,1,2-trichloro-1,2,2-...	1.983	101	168700	44.48	ug/L	97
12) 1,1-dichloroethene	1.983	96	171605	42.16	ug/L	88
13) acetone	2.032	43	64432	66.47	ug/L	91
14) iodomethane	2.099	142	269241	49.43	ug/L	90
15) carbon disulfide	2.147	76	498867	43.91	ug/L	100
16) methyl acetate	2.306	43	102189	42.62	ug/L	98
17) methylene chloride	2.391	49	212971	45.67	ug/L	94
18) acrylonitrile	2.623	53	50993	39.23	ug/L	96
19) trans-1,2-dichloroethene	2.641	96	179696	36.76	ug/L	93
20) methyl (tert) butyl ether	2.653	73	447676	39.81	ug/L	98
21) 1,1-dichloroethane	3.086	63	321675	40.27	ug/L	100
22) vinyl acetate	3.178	43	299452	41.23	ug/L	98
23) 2,2-dichloropropane	3.824	77	272012	43.16	ug/L	97
24) cis-1,2-dichloroethene	3.842	96	189032	37.50	ug/L	94
25) 2-butanone (MEK)	3.903	43	64036	41.50	ug/L	95
26) bromochloromethane	4.202	49	127919	38.97	ug/L	96
27) tetrahydrofuran	4.287	71	13136	36.51	ug/L	89
28) chloroform	4.367	83	349006	42.17	ug/L	100
30) 1,1,1-trichloroethane	4.623	97	347831	44.95	ug/L	98
31) cyclohexane	4.702	56	237821	36.85	ug/L	99
32) carbon tetrachloride	4.915	117	336100	48.23	ug/L	99
33) 1,1-dichloropropene	4.940	75	264037	40.51	ug/L	98
34) benzene	5.318	78	650828	36.98	ug/L	94
35) 1,2-dichloroethane	5.379	62	289601	46.22	ug/L	95
36) heptane	5.854	57	21390	No Calib		
38) trichloroethene	6.476	130	207552	36.88	ug/L	97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 40P0405A.D
Acq On : 5 Apr 2012 21:53
Operator : DLV
Sample : 40PA
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 06 07:14:09 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	6.744	83	245501	35.41	ug/L		96
40) 1,2-dichloropropane	6.817	63	146946	36.32	ug/L		100
41) dibromomethane	7.000	93	105933	40.93	ug/L		94
42) 1,4-dioxane	6.988	88	293	No Calib		#	
43) bromodichloromethane	7.293	83	256883	42.93	ug/L		99
44) 2-chloroethyl vinyl ether	7.829	63	23273	53.73	ug/L		98
45) cis-1,3-dichloropropene	7.976	75	249053	39.55	ug/L		93
46) 4-methyl-2-pentanone (...	8.256	43	115298	40.01	ug/L		96
48) toluene	8.421	91	740734	37.87	ug/L		99
49) trans-1,3-dichloropropene	8.793	75	249577	42.32	ug/L		95
50) 1,1,2-trichloroethane	9.024	83	111756	37.99	ug/L		100
52) tetrachloroethene	9.164	166	242069	39.02	ug/L		98
53) 1,3-dichloropropane	9.238	76	250480	40.36	ug/L		100
54) 2-hexanone (MBK)	9.433	43	83671	44.22	ug/L		95
55) dibromochloromethane	9.530	129	196789	44.69	ug/L		99
56) 1,2-dibromoethane	9.634	109	144988	40.65	ug/L	#	100
57) chlorobenzene	10.317	112	521275	39.24	ug/L		97
58) 1-chlorohexane	10.365	55	172597	43.41	ug/L		90
59) 1,1,1,2-tetrachloroethane	10.451	131	205460	43.28	ug/L		98
60) ethylbenzene	10.493	91	911304	41.94	ug/L		99
61) m+p-xylene	10.658	106	699615	81.77	ug/L		94
62) o-xylene	11.158	106	333741	41.01	ug/L		94
63) styrene	11.188	104	585518	41.82	ug/L		93
64) bromoform	11.383	173	128385	38.63	ug/L		99
67) isopropylbenzene	11.652	105	847728	39.82	ug/L		99
68) bromobenzene	11.981	77	339447	39.90	ug/L		95
69) 1,1,2,2-tetrachloroethane	12.066	83	179122	38.23	ug/L	#	99
70) 1,2,3-trichloropropane	12.085	110	69112	40.44	ug/L		95
71) 1,4-dichloro-2-butene	12.139	53	64205	41.82	ug/L	#	82
72) n-propylbenzene	12.182	120	251285	38.92	ug/L		95
73) 2-chlorotoluene	12.249	126	224561	38.71	ug/L		92
74) 1,3,5-trimethylbenzene	12.420	105	762730	40.93	ug/L		97
75) 4-chlorotoluene	12.395	91	760020	41.28	ug/L		97
76) tert-butylbenzene	12.816	119	648297	39.63	ug/L		96
77) 1,2,4-trimethylbenzene	12.883	105	767504	40.95	ug/L		98
78) sec-butylbenzene	13.097	105	884108	39.42	ug/L		99
79) 1,3-dichlorobenzene	13.188	146	450218	38.40	ug/L		99
80) 4-isopropyltoluene	13.298	119	782374	39.37	ug/L		97
81) 1,4-dichlorobenzene	13.310	146	452995	38.66	ug/L		98
82) 1,2-dichlorobenzene	13.761	146	411105	38.30	ug/L		99
83) n-butylbenzene	13.810	91	620129	40.45	ug/L		99
84) hexachloroethane	14.072	201	108328	36.31	ug/L	#	90
85) 1,2-dibromo-3-chloropr...	14.749	157	38375	36.02	ug/L		92
86) 1,2,4-trichlorobenzene	15.773	180	233076	38.60	ug/L		99
87) hexachlorobutadiene	16.017	225	115902	38.80	ug/L		99
88) naphthalene	16.059	128	479328	38.33	ug/L		98
89) 1,2,3-trichlorobenzene	16.364	180	206472	39.67	ug/L		99
90) 2-methylnaphthalene	17.474	142	147474	36.65	ug/L		98

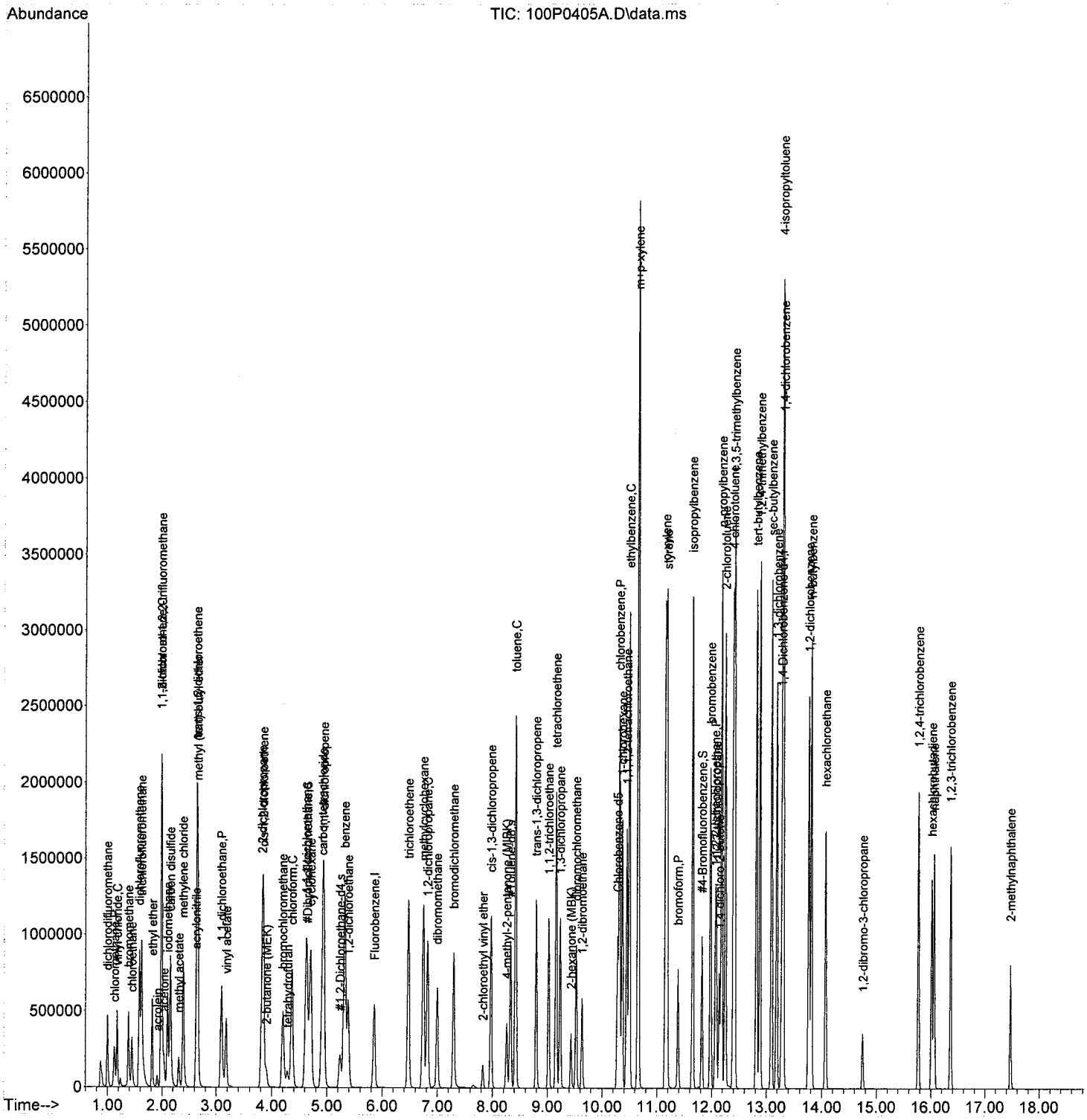
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00792

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 100P0405A.D
Acq On : 5 Apr 2012 22:48
Operator : DLV
Sample : 100PA
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 07:14:30 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration



00793

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 100P0405A.D
Acq On : 5 Apr 2012 22:48
Operator : DLV
Sample : 100PA
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 07:14:30 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.854	96	639469	40.00	ug/L	-0.01
51) Chlorobenzene-d5	10.280	117	552214	40.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.279	152	369353	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	4.641	111	197297	42.88	ug/L	-0.02
Spiked Amount 40.000			Recovery =	107.20%		
37) #1,2-Dichloroethane-d4	5.238	67	119189	47.33	ug/L	-0.02
Spiked Amount 40.000			Recovery =	118.32%		
47) #Toluene-d8	8.329	98	674376	41.35	ug/L	-0.01
Spiked Amount 40.000			Recovery =	103.38%		
65) #4-Bromofluorobenzene	11.822	95	308987	43.64	ug/L	0.00
Spiked Amount 40.000			Recovery =	109.10%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.995	85	409638	101.75	ug/L	100
3) chloromethane	1.123	50	331686	85.80	ug/L	99
4) vinyl chloride	1.172	62	406796	89.43	ug/L	100
5) bromomethane	1.379	94	287462	125.26	ug/L	100
6) chloroethane	1.440	64	269374	92.77	ug/L	100
7) dichlorofluoromethane	1.574	67	877637	111.31	ug/L	100
8) trichlorofluoromethane	1.617	101	973922	120.99	ug/L	100
9) ethyl ether	1.818	74	185819	93.10	ug/L	96
10) acrolein	1.910	56	51361	102.97	ug/L	100
11) 1,1,2-trichloro-1,2,2-...	1.983	101	405339	104.70	ug/L	98
12) 1,1-dichloroethene	1.983	96	416520	100.27	ug/L #	86
13) acetone	2.032	43	145973	154.11	ug/L	93
14) iodomethane	2.099	142	686070	123.41	ug/L	89
15) carbon disulfide	2.147	76	1205864	104.00	ug/L	100
16) methyl acetate	2.306	43	240635	98.34	ug/L	97
17) methylene chloride	2.385	49	508392	109.65	ug/L	94
18) acrylonitrile	2.623	53	130716	98.54	ug/L	98
19) trans-1,2-dichloroethene	2.641	96	462144	92.62	ug/L	95
20) methyl (tert) butyl ether	2.653	73	1108129	96.54	ug/L	99
21) 1,1-dichloroethane	3.092	63	793853	97.37	ug/L	100
22) vinyl acetate	3.178	43	679460	91.66	ug/L	98
23) 2,2-dichloropropane	3.824	77	695050	108.05	ug/L	96
24) cis-1,2-dichloroethene	3.842	96	473053	91.93	ug/L	93
25) 2-butanone (MEK)	3.903	43	155055	98.45	ug/L	96
26) bromochloromethane	4.196	49	311613	93.00	ug/L	96
27) tetrahydrofuran	4.287	71	34108	92.87	ug/L	94
28) chloroform	4.366	83	879339	104.09	ug/L	100
30) 1,1,1-trichloroethane	4.622	97	887070	112.31	ug/L	99
31) cyclohexane	4.702	56	596805	90.61	ug/L	99
32) carbon tetrachloride	4.915	117	864632	121.56	ug/L	99
33) 1,1-dichloropropene	4.940	75	671412	100.92	ug/L	97
34) benzene	5.317	78	1635965	91.08	ug/L	94
35) 1,2-dichloroethane	5.378	62	726783	113.65	ug/L	95
36) heptane	5.854	57	22153	No Calib		
38) trichloroethene	6.476	130	532010	92.61	ug/L	97

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 100P0405A.D
Acq On : 5 Apr 2012 22:48
Operator : DLV
Sample : 100PA
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 07:14:30 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
39)	methylcyclohexane	6.744	83	613151	86.66 ug/L		97
40)	1,2-dichloropropane	6.817	63	371250	89.92 ug/L		100
41)	dibromomethane	6.994	93	263831	99.88 ug/L		94
42)	1,4-dioxane	7.000	88	924	No Calib	#	
43)	bromodichloromethane	7.293	83	665182	108.91 ug/L		100
44)	2-chloroethyl vinyl ether	7.829	63	64642	146.22 ug/L		99
45)	cis-1,3-dichloropropene	7.976	75	658155	102.39 ug/L		93
46)	4-methyl-2-pentanone (...	8.256	43	300886	102.31 ug/L		97
48)	toluene	8.421	91	1871348	93.73 ug/L		99
49)	trans-1,3-dichloropropene	8.792	75	672483	111.71 ug/L		96
50)	1,1,2-trichloroethane	9.024	83	281428	93.74 ug/L		100
52)	tetrachloroethene	9.164	166	620967	94.97 ug/L		98
53)	1,3-dichloropropane	9.237	76	636066	97.23 ug/L		100
54)	2-hexanone (MBK)	9.433	43	227299	113.98 ug/L		96
55)	dibromochloromethane	9.530	129	516712	111.32 ug/L		99
56)	1,2-dibromoethane	9.634	109	369563	98.29 ug/L	#	100
57)	chlorobenzene	10.310	112	1312111	93.70 ug/L		97
58)	1-chlorohexane	10.365	55	434489	103.68 ug/L		91
59)	1,1,1,2-tetrachloroethane	10.451	131	527837	105.49 ug/L		98
60)	ethylbenzene	10.499	91	2310374	100.89 ug/L		98
61)	m+p-xylene	10.658	106	1749009	193.96 ug/L		94
62)	o-xylene	11.158	106	856835	99.88 ug/L		94
63)	styrene	11.188	104	1490410	101.00 ug/L		92
64)	bromoform	11.383	173	354280	97.08 ug/L		99
67)	isopropylbenzene	11.652	105	2172781	96.85 ug/L		99
68)	bromobenzene	11.981	77	872631	97.31 ug/L		95
69)	1,1,2,2-tetrachloroethane	12.066	83	447326	90.60 ug/L	#	100
70)	1,2,3-trichloropropane	12.084	110	175871	97.64 ug/L		97
71)	1,4-dichloro-2-butene	12.139	53	172752	103.54 ug/L	#	87
72)	n-propylbenzene	12.182	120	635055	93.33 ug/L		94
73)	2-chlorotoluene	12.249	126	572122	93.57 ug/L		92
74)	1,3,5-trimethylbenzene	12.420	105	1936496	98.59 ug/L		97
75)	4-chlorotoluene	12.395	91	1943318	100.15 ug/L		97
76)	tert-butylbenzene	12.816	119	1674911	97.14 ug/L		95
77)	1,2,4-trimethylbenzene	12.883	105	1970016	99.72 ug/L		98
78)	sec-butylbenzene	13.096	105	2266340	95.87 ug/L		99
79)	1,3-dichlorobenzene	13.194	146	1160243	93.89 ug/L		99
80)	4-isopropyltoluene	13.298	119	1985441	94.79 ug/L		97
81)	1,4-dichlorobenzene	13.310	146	1142646	92.54 ug/L		98
82)	1,2-dichlorobenzene	13.761	146	1061488	93.83 ug/L		99
83)	n-butylbenzene	13.810	91	1595866	98.77 ug/L		99
84)	hexachloroethane	14.072	201	299009	89.62 ug/L		95
85)	1,2-dibromo-3-chloropr...	14.749	157	104520	89.05 ug/L		93
86)	1,2,4-trichlorobenzene	15.773	180	613290	96.37 ug/L		99
87)	hexachlorobutadiene	16.017	225	294985	93.69 ug/L		100
88)	naphthalene	16.059	128	1260027	95.61 ug/L		98
89)	1,2,3-trichlorobenzene	16.364	180	528318	96.32 ug/L		99
90)	2-methylnaphthalene	17.474	142	383058	90.31 ug/L		98

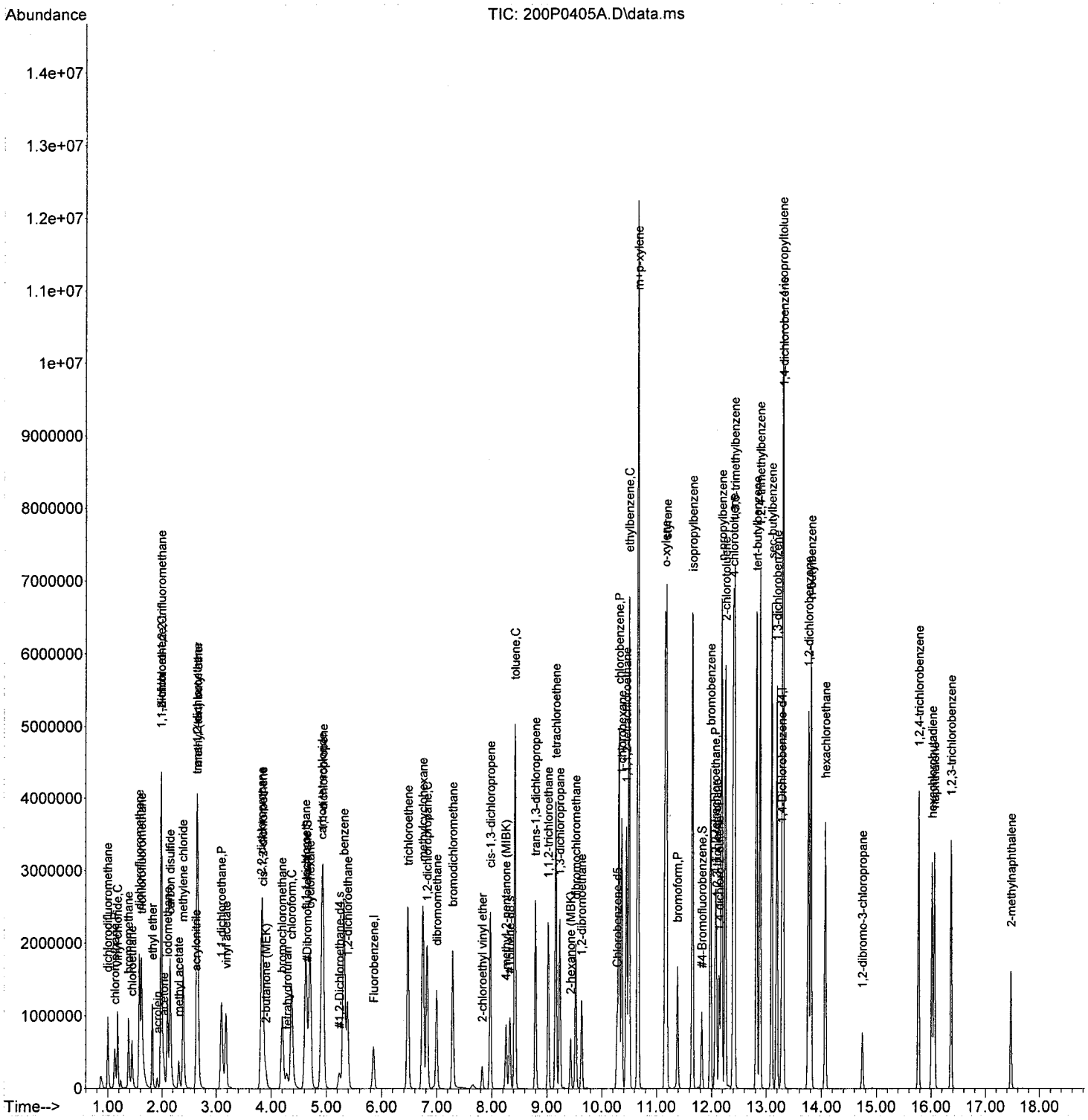
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00795

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 200P0405A.D
Acq On : 5 Apr 2012 23:44
Operator : DLV
Sample : 200PA
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 06 07:15:08 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration



00796

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 200P0405A.D
Acq On : 5 Apr 2012 23:44
Operator : DLV
Sample : 200PA
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 06 07:15:08 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.854	96	679105	40.00	ug/L	-0.01
51) Chlorobenzene-d5	10.280	117	585919	40.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.280	152	385105	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	4.647	111	207596	42.48	ug/L	-0.01
Spiked Amount 40.000			Recovery = 106.20%			
37) #1,2-Dichloroethane-d4	5.238	67	124220	46.45	ug/L	-0.02
Spiked Amount 40.000			Recovery = 116.13%			
47) #Toluene-d8	8.329	98	710299	41.01	ug/L	-0.01
Spiked Amount 40.000			Recovery = 102.53%			
65) #4-Bromofluorobenzene	11.823	95	326507	43.46	ug/L	0.00
Spiked Amount 40.000			Recovery = 108.65%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.995	85	822031	192.27	ug/L	100
3) chloromethane	1.123	50	666991	162.47	ug/L	100
4) vinyl chloride	1.172	62	835472	172.96	ug/L	100
5) bromomethane	1.373	94	598649	245.64	ug/L	100
6) chloroethane	1.440	64	546492	177.22	ug/L	100
7) dichlorofluoromethane	1.575	67	1794902	214.35	ug/L	100
8) trichlorofluoromethane	1.617	101	1967455	230.15	ug/L	100
9) ethyl ether	1.818	74	387730	182.92	ug/L	97
10) acrolein	1.910	56	107764	203.44	ug/L	100
11) 1,1,2-trichloro-1,2,2-...	1.983	101	823590	200.33	ug/L	99
12) 1,1-dichloroethene	1.983	96	860731	195.11	ug/L	87
13) acetone	2.032	43	236894	238.35	ug/L	93
14) iodomethane	2.099	142	1420642	240.62	ug/L	90
15) carbon disulfide	2.148	76	2569094	208.64	ug/L	100
16) methyl acetate	2.306	43	483971	186.24	ug/L	98
17) methylene chloride	2.385	49	1047655	214.75	ug/L	94
18) acrylonitrile	2.623	53	265095	188.18	ug/L	98
19) trans-1,2-dichloroethene	2.641	96	946813	178.68	ug/L	94
20) methyl (tert) butyl ether	2.654	73	2307574	189.31	ug/L	99
21) 1,1-dichloroethane	3.093	63	1633990	188.72	ug/L	100
22) vinyl acetate	3.178	43	1553542	197.34	ug/L	98
23) 2,2-dichloropropane	3.824	77	1472202	215.51	ug/L	96
24) cis-1,2-dichloroethene	3.848	96	977703	178.92	ug/L	93
25) 2-butanone (MEK)	3.903	43	294636	176.16	ug/L	96
26) bromochloromethane	4.196	49	641375	180.25	ug/L	97
27) tetrahydrofuran	4.287	71	72670	186.32	ug/L	96
28) chloroform	4.367	83	1824940	203.42	ug/L	100
30) 1,1,1-trichloroethane	4.623	97	1855968	221.27	ug/L	99
31) cyclohexane	4.702	56	1264521	180.79	ug/L	99
32) carbon tetrachloride	4.921	117	1802172	238.58	ug/L	100
33) 1,1-dichloropropene	4.940	75	1389066	196.61	ug/L	97
34) benzene	5.318	78	3383236	177.37	ug/L	94
35) 1,2-dichloroethane	5.385	62	1519196	223.70	ug/L	95
36) heptane	5.854	57	23510	No Calib		
38) trichloroethene	6.476	130	1100966	180.47	ug/L	97

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : 200P0405A.D
Acq On : 5 Apr 2012 23:44
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Quant Time: Apr 06 07:15:08 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB55.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Wed Apr 04 13:53:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	6.744	83	1328886	176.85 ug/L	97
40) 1,2-dichloropropane	6.824	63	773239	176.35 ug/L	100
41) dibromomethane	7.000	93	549690	195.96 ug/L	95
42) 1,4-dioxane	7.000	88	2021	No Calib #	
43) bromodichloromethane	7.293	83	1409866	217.36 ug/L	100
44) 2-chloroethyl vinyl ether	7.829	63	138871	295.79 ug/L	99
45) cis-1,3-dichloropropene	7.976	75	1402623	205.47 ug/L	93
46) 4-methyl-2-pentanone (...	8.256	43	625835	200.38 ug/L	99
48) toluene	8.421	91	3848876	181.52 ug/L	100
49) trans-1,3-dichloropropene	8.793	75	1458382	228.13 ug/L	95
50) 1,1,2-trichloroethane	9.024	83	585468	183.64 ug/L	100
52) tetrachloroethene	9.165	166	1287207	185.54 ug/L	98
53) 1,3-dichloropropane	9.238	76	1337235	192.66 ug/L	100
54) 2-hexanone (MBK)	9.433	43	446841	211.19 ug/L	97
55) dibromochloromethane	9.530	129	1109933	225.37 ug/L	100
56) 1,2-dibromoethane	9.634	109	781361	195.87 ug/L #	100
57) chlorobenzene	10.317	112	2723161	183.28 ug/L	97
58) 1-chlorohexane	10.366	55	917567	206.35 ug/L	91
59) 1,1,1,2-tetrachloroethane	10.451	131	1118172	210.62 ug/L	98
60) ethylbenzene	10.500	91	4789691	197.12 ug/L	98
61) m+p-xylene	10.664	106	3602449	376.52 ug/L	93
62) o-xylene	11.164	106	1773968	194.90 ug/L	93
63) styrene	11.188	104	3092724	197.53 ug/L	92
64) bromoform	11.384	173	772734	196.90 ug/L	99
67) isopropylbenzene	11.658	105	4582832	195.92 ug/L	99
68) bromobenzene	11.981	77	1818270	194.47 ug/L	96
69) 1,1,2,2-tetrachloroethane	12.066	83	920550	178.82 ug/L #	100
70) 1,2,3-trichloropropane	12.091	110	354904	188.97 ug/L	96
71) 1,4-dichloro-2-butene	12.140	53	365652	208.05 ug/L	89
72) n-propylbenzene	12.188	120	1314419	185.27 ug/L	93
73) 2-chlorotoluene	12.255	126	1164136	182.60 ug/L	90
74) 1,3,5-trimethylbenzene	12.420	105	3990862	194.87 ug/L	97
75) 4-chlorotoluene	12.396	91	3986162	197.03 ug/L	97
76) tert-butylbenzene	12.822	119	3489045	194.08 ug/L	95
77) 1,2,4-trimethylbenzene	12.883	105	4086311	198.39 ug/L	97
78) sec-butylbenzene	13.097	105	4780835	193.97 ug/L	99
79) 1,3-dichlorobenzene	13.194	146	2387263	185.28 ug/L	99
80) 4-isopropyltoluene	13.298	119	4174745	191.17 ug/L	97
81) 1,4-dichlorobenzene	13.310	146	2336068	181.45 ug/L	99
82) 1,2-dichlorobenzene	13.761	146	2217342	187.98 ug/L	99
83) n-butylbenzene	13.810	91	3433622	203.82 ug/L	99
84) hexachloroethane	14.072	201	670204	188.78 ug/L	98
85) 1,2-dibromo-3-chloropr...	14.743	157	225532	181.56 ug/L	94
86) 1,2,4-trichlorobenzene	15.773	180	1326303	199.89 ug/L	99
87) hexachlorobutadiene	16.017	225	659979	201.05 ug/L	100
88) naphthalene	16.060	128	2586298	188.22 ug/L	98
89) 1,2,3-trichlorobenzene	16.364	180	1126480	196.98 ug/L	99
90) 2-methylnaphthalene	17.474	142	811739	183.56 ug/L	98

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

INITIAL CALIBRATION DATA
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Calibration: 2D17013
Calibration Date: 04/16/12 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	~~0.1262766~~	5	7.653304E-02	10	6.714798E-02	20	5.722322E-02	40	6.156323E-02	100	6.157675E-02
Benzene	1	0.9016918	5	0.8926734	10	1.023855	20	0.9659036	40	0.9998806	100	1.006917
Bromodichloromethane	1	0.3172905	5	0.2933946	10	0.3253161	20	0.3122741	40	0.3313463	100	0.3415674
Bromoform	1	0.135768	5	0.1420041	10	0.1616426	20	0.1684909	40	0.1775391	100	0.1949438
Bromomethane	1	0.2625339	5	0.2000256	10	0.2021965	20	0.1742663	40	0.1647597	100	0.1665231
Carbon Disulfide	1	0.5908529	5	0.5325065	10	0.5948347	20	0.5829345	40	0.6039745	100	0.6226583
Carbon Tetrachloride	1	0.3179522	5	0.3306365	10	0.3707348	20	0.3640422	40	0.3883677	100	0.3992306
Chlorobenzene	1	0.8689551	5	0.7711053	10	0.8753747	20	0.8335793	40	0.8456466	100	0.8598682
Chloroethane	1	0.1832389	5	0.1757801	10	0.1992817	20	0.181959	40	0.1868587	100	0.1881377
Chloroform	1	0.4569116	5	0.4198424	10	0.4601737	20	0.4281781	40	0.4463951	100	0.4503693
Chloromethane	1	0.250568	5	0.2258135	10	0.2691704	20	0.2436332	40	0.2537417	100	0.2497694
Cyclohexane	1	0.295454	5	0.3227201	10	0.3814225	20	0.3801106	40	0.3948881	100	0.4055148
1,2-Dibromo-3-chloropropane	1	6.186626E-02	5	6.724005E-02	10	8.460651E-02	20	7.939137E-02	40	8.952262E-02	100	9.795217E-02
Dibromochloromethane	1	0.2439323	5	0.2286729	10	0.2658167	20	0.2637997	40	0.2773581	100	0.2962122
1,2-Dibromoethane	1	0.1951458	5	0.192503	10	0.2136538	20	0.2110992	40	0.2187705	100	0.2288054
1,2-Dichlorobenzene	1	1.017565	5	0.960374	10	1.081485	20	1.053415	40	1.08025	100	1.092182
1,3-Dichlorobenzene	1	1.099505	5	1.040565	10	1.154685	20	1.093105	40	1.138331	100	1.140828
1,4-Dichlorobenzene	1	1.327953	5	1.087271	10	1.185844	20	1.135617	40	1.159347	100	1.149455
Dichlorodifluoromethane	1	0.2102587	5	0.1887765	10	0.2092955	20	0.1929529	40	0.2025687	100	0.2026972
1,1-Dichloroethane	1	0.4019895	5	0.3908082	10	0.4341985	20	0.4168414	40	0.4303564	100	0.4331864
1,2-Dichloroethane	1	0.3359839	5	0.3351556	10	0.3684715	20	0.3570918	40	0.3627316	100	0.3645707
1,1-Dichloroethene	1	0.1925028	5	0.1909012	10	0.2239146	20	0.2143009	40	0.2252673	100	0.2248954
cis-1,2-Dichloroethene	1	0.2337495	5	0.2197521	10	0.2483228	20	0.2456118	40	0.25456	100	0.2594161
trans-1,2-Dichloroethene	1	0.2515054	5	0.2118032	10	0.2340295	20	0.2272625	40	0.2368043	100	0.2418998
1,2-Dichloropropane	1	0.2218387	5	0.1962076	10	0.2269418	20	0.2253218	40	0.2283444	100	0.2340637
cis-1,3-Dichloropropene	1	0.2574608	5	0.2706914	10	0.3044349	20	0.3129138	40	0.3416869	100	0.3639442
trans-1,3-Dichloropropene	1	0.2131813	5	0.2260076	10	0.2708384	20	0.2803614	40	0.309521	100	0.3445939
Ethylbenzene	1	1.25084	5	1.32469	10	1.480465	20	1.44989	40	1.486225	100	1.528805
2-Hexanone	1	~~7.599302E-02~~	5	0.1089984	10	0.121839	20	0.1201256	40	0.1370934	100	0.1560508
Isopropylbenzene	1	1.736012	5	1.866884	10	2.162015	20	2.177459	40	2.260382	100	2.321769
Methyl Acetate	1	~~0.2133467~~	5	0.1365752	10	0.1290167	20	0.1163278	40	0.1178442	100	0.1270127

INITIAL CALIBRATION DATA
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Calibration: 2D17013
Calibration Date: 04/16/12 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	0.4797958	5	0.4729604	10	0.5300793	20	0.521093	40	0.5489423	100	0.5814489
Methylcyclohexane	1	0.3285947	5	0.339157	10	0.3868141	20	0.3887346	40	0.4119033	100	0.4223647
Methylene Chloride	1	0.3798222	5	0.2941388	10	0.309995	20	0.2865021	40	0.2947231	100	0.2886428
2-Butanone (MEK)	1	8.216247E-02	5	0.0843848	10	7.704944E-02	20	6.332883E-02	40	7.083205E-02	100	7.499411E-02
4-Methyl-2-pentanone (MIBK)	1	0.1379116	5	0.1262213	10	0.1524758	20	0.1524108	40	0.1687194	100	0.189318
Styrene	1	0.6960511	5	0.7660759	10	0.9303025	20	0.9097229	40	0.9374347	100	0.9469028
1,1,2,2-Tetrachloroethane	1	0.5092521	5	0.4449341	10	0.4936289	20	0.4676353	40	0.4626172	100	0.4789295
Tetrachloroethene	1	0.4136589	5	0.3880673	10	0.4177394	20	0.4037615	40	0.4145239	100	0.4126133
Toluene	1	1.000121	5	0.9922655	10	1.135225	20	1.079678	40	1.121026	100	1.134329
1,2,4-Trichlorobenzene	1	0.492817	5	0.4921542	10	0.5654535	20	0.5682716	40	0.6268313	100	0.6662165
1,1,1-Trichloroethane	1	0.3762931	5	0.362723	10	0.4066676	20	0.4014641	40	0.4236858	100	0.4298528
1,1,2-Trichloroethane	1	0.1529104	5	0.1341917	10	0.1624278	20	0.1492959	40	0.1565103	100	0.1589832
Trichloroethene	1	0.2589496	5	0.2643604	10	0.2968473	20	0.2867153	40	0.2976929	100	0.2958461
Trichlorofluoromethane	1	0.4697598	5	0.4908318	10	0.5359988	20	0.5097239	40	0.5131185	100	0.5097341
1,1,2-Trichloro-1,2,2-trifluoroe	1	0.2047996	5	0.1948378	10	0.2181692	20	0.2066946	40	0.2131641	100	0.2111755
Vinyl Chloride	1	0.281117	5	0.2882284	10	0.3130053	20	0.2820025	40	0.2984145	100	0.3002837
Xylene (Total)	3	0.4565098	15	0.4783891	30	0.5576083	60	0.5515227	120	0.5692353	300	0.5761044
Dibromofluoromethane	40	0.2635306	40	0.2624042	40	0.269461	40	0.2631296	40	0.2669059	40	0.26461
1,2-Dichloroethane-d4	40	0.3259383	40	0.3229668	40	0.3212724	40	0.3220803	40	0.3161299	40	0.3173472
Toluene-d8	40	1.037712	40	1.029933	40	1.049521	40	1.056252	40	1.063351	40	1.076499
4-Bromofluorobenzene	40	0.5034174	40	0.5143081	40	0.5168078	40	0.5190135	40	0.5109952	40	0.5124878

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D17013

SDG: KNM040512

Project: KNM

Calibration Date: 04/16/12 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	5.755987E-02										
Benzene	200	1.017524										
Bromodichloromethane	200	0.3473111										
Bromoform	200	0.1949971										
Bromomethane	200	0.1734168										
Carbon Disulfide	200	0.6382062										
Carbon Tetrachloride	200	0.4034737										
Chlorobenzene	200	0.857018										
Chloroethane	200	0.1826827										
Chloroform	200	0.4579176										
Chloromethane	200	0.2368632										
Cyclohexane	200	0.4120218										
1,2-Dibromo-3-chloropropane	200	0.1031705										
Dibromochloromethane	200	0.3011272										
1,2-Dibromoethane	200	0.2238989										
1,2-Dichlorobenzene	200	1.107452										
1,3-Dichlorobenzene	200	1.165539										
1,4-Dichlorobenzene	200	1.176365										
Dichlorodifluoromethane	200	0.1907832										
1,1-Dichloroethane	200	0.4372809										
1,2-Dichloroethane	200	0.3730287										
1,1-Dichloroethene	200	0.2267429										
cis-1,2-Dichloroethene	200	0.2633713										
trans-1,2-Dichloroethene	200	0.2439703										
1,2-Dichloropropane	200	0.241224										
cis-1,3-Dichloropropene	200	0.3873469										
trans-1,3-Dichloropropene	200	0.3680208										
Ethylbenzene	200	1.525976										
2-Hexanone	200	0.1550795										
Isopropylbenzene	200	2.396248										
Methyl Acetate	200	0.1282396										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D17013

SDG: KNM040512

Project: KNM

Calibration Date: 04/16/12 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	0.5882894										
Methylcyclohexane	200	0.4346455										
Methylene Chloride	200	0.2929504										
2-Butanone (MEK)	200	7.511901E-02										
4-Methyl-2-pentanone (MIBK)	200	0.1949386										
Styrene	200	0.9439439										
1,1,2,2-Tetrachloroethane	200	0.4838721										
Tetrachloroethene	200	0.4045186										
Toluene	200	1.16478										
1,2,4-Trichlorobenzene	200	0.7024041										
1,1,1-Trichloroethane	200	0.4373134										
1,1,2-Trichloroethane	200	0.1602388										
Trichloroethene	200	0.2978396										
Trichlorofluoromethane	200	0.5023672										
1,1,2-Trichloro-1,2,2-trifluoroe	200	0.2120823										
Vinyl Chloride	200	0.286329										
Xylene (Total)	600	0.5731812										
Dibromofluoromethane	40	0.2710894										
1,2-Dichloroethane-d4	40	0.3188631										
Toluene-d8	40	1.096686										
4-Bromofluorobenzene	40	0.5043303										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D17013

SDG: KNM040512

Project: KNM

Calibration Date: 04/16/12 00:00

Instrument: 224

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acetone	6.360068E-02	11.45178	2.52	1.126358E-02			15	
Benzene	0.972635	5.635734	6.288571	5.813299E-02			15	
Bromodichloromethane	0.3240714	5.671502	8.08	1.385506E-02			15	
Bromoform	0.1679122	13.96921	12.02286	3.588715E-02			SPCC (0.1)	
Bromomethane	0.1919603	18.03881	1.708571	0.2213759	0.99938		0.99	
Carbon Disulfide	0.5951382	5.648523	2.667143	0.1835478			15	
Carbon Tetrachloride	0.3677768	8.99901	5.94	1.652899E-02			15	
Chlorobenzene	0.8445067	4.172963	10.97143	3.172159E-02			SPCC (0.3)	
Chloroethane	0.1854198	3.930978	1.79	1.047524E-02			15	
Chloroform	0.445684	3.526761	5.397143	9.196658E-02			CCC (30)	
Chloromethane	0.2470799	5.530335	1.4	9.227649E-03			SPCC (0.1)	
Cyclohexane	0.3703046	11.91026	5.74	6.816645E-03			15	
1,2-Dibromo-3-chloropropane	8.339278E-02	18.20236	15.35429	5.180663E-02	0.99910		0.99	
Dibromochloromethane	0.2681313	9.783698	10.20143	3.359668E-02			15	
1,2-Dibromoethane	0.2119824	6.495564	10.32286	4.948447E-02			15	
1,2-Dichlorobenzene	1.056103	4.862392	14.37143	3.182659E-02			15	
1,3-Dichlorobenzene	1.118937	3.911273	13.80143	2.428828E-02			15	
1,4-Dichlorobenzene	1.17455	6.376684	13.91857	2.852118E-02			15	
Dichlorodifluoromethane	0.199619	4.410501	1.23	2.003847E-02			15	
1,1-Dichloroethane	0.4206659	4.301733	3.834286	0.1400953			SPCC (0.1)	
1,2-Dichloroethane	0.3567191	4.277558	6.345714	8.412763E-02			15	
1,1-Dichloroethene	0.214075	7.391022	2.458571	0.152449			CCC (30)	
cis-1,2-Dichloroethene	0.2463977	6.19609	4.775714	0.1113142			15	
trans-1,2-Dichloroethene	0.235325	5.491277	3.28	0.1761865			15	
1,2-Dichloropropane	0.2248489	6.287685	7.64	9.25749E-03			CCC (30)	
cis-1,3-Dichloropropene	0.3197827	14.87256	8.714286	6.005059E-02			15	
trans-1,3-Dichloropropene	0.2875035	20.0118	9.49	1.185501E-02	0.99872		0.99	
Ethylbenzene	1.43527	7.421173	11.14	1.273736E-02			CCC (30)	
2-Hexanone	0.1331978	14.64184	10.09167	4.372282E-02			15	
Isopropylbenzene	2.131538	11.36939	12.27143	3.802202E-02			15	
Methyl Acetate	0.125836	6.019536	2.86	2.304559E-02			15	
Methyl tert-Butyl Ether	0.5318013	8.491033	3.29	1.498318E-02			15	

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D17013

SDG: KNM040512

Project: KNM

Calibration Date: 04/16/12 00:00

Instrument: 224

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Methylcyclohexane	0.3874591	10.45331	7.58	0.0130065			15	
Methylene Chloride	0.3066821	10.79979	2.964286	0.1805595			15	
2-Butanone (MEK)	0.0754101	9.314097	4.845714	0.2883316			15	
4-Methyl-2-pentanone (MIBK)	0.1602851	15.90367	8.968572	4.532333E-02	0.99935		0.99	
Styrene	0.8757763	11.60422	11.81429	0.0637124			15	
1,1,2,2-Tetrachloroethane	0.477267	4.436444	12.67	1.139555E-02			SPCC (0.3)	
Tetrachloroethene	0.4078404	2.488289	9.86	2.088028E-02			15	
Toluene	1.089632	6.302954	9.142857	5.253398E-02			CCC (30)	
1,2,4-Trichlorobenzene	0.5877355	13.86744	16.37286	4.666804E-02			15	
1,1,1-Trichloroethane	0.4054285	6.856493	5.661428	6.719229E-02			15	
1,1,2-Trichloroethane	0.1535083	6.265688	9.714286	5.837087E-02			15	
Trichloroethene	0.2854645	5.879194	7.324286	7.074894E-02			15	
Trichlorofluoromethane	0.5045049	4.061705	1.997143	0.2441486			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2087033	3.599259	2.46	2.003847E-02			15	
Vinyl Chloride	0.2927686	3.972641	1.45	1.854651E-02			CCC (30)	
Xylene (Total)	0.5375073	9.122183	11.79429	4.851738E-02			15	
Dibromofluoromethane	0.2658758	1.264186	5.678571	0.0651891			15	
1,2-Dichloroethane-d4	0.3206569	1.067475	6.22	1.680159E-02			15	
Toluene-d8	1.058565	2.160903	9.06	2.041122E-02			15	
4-Bromofluorobenzene	0.5116229	1.157338	12.45	2.326429E-02			15	

Response Factor Report 224

2017013

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 8260B-B20.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Tue Apr 17 08:01:49 2012
Response Via : Initial Calibration

Calibration Files
1 =1P0416.D 2 =5P0416.D 3 =10P0416.D
4 =20P0416.D 5 =40P0416.D 6 =100P0416.D
7 =200P0416.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------						
2)		dichlorodifluor	0.210	0.189	0.209	0.193	0.203	0.203	0.191	0.200	4.41
3)	P	chloromethane	0.251	0.226	0.269	0.244	0.254	0.250	0.237	0.247	5.53
4)	C	vinyl chloride	0.281	0.288	0.313	0.282	0.298	0.300	0.286	0.293	3.97#
5)		bromomethane	0.263	0.200	0.202	0.174	0.165	0.167	0.173	-----	
									L M=	0.172	R=0.999
									B=	0.000	
6)		chloroethane	0.183	0.176	0.199	0.182	0.187	0.188	0.183	0.185	3.93
7)		dichlorofluorom	0.501	0.491	0.529	0.505	0.514	0.513	0.504	0.508	2.36
8)		trichlorofluoro	0.470	0.491	0.536	0.510	0.513	0.510	0.502	0.505	4.06
9)		ethyl ether	0.140	0.116	0.119	0.108	0.111	0.121	0.109	0.118	9.38
10)		acrolein	0.018	0.021	0.027	0.024	0.027	0.028	0.029	-----	
									L M=	0.029	R=1.000
									B=	-0.001	
11)		1,1,2-trichloro	0.205	0.195	0.218	0.207	0.213	0.211	0.212	0.209	3.60
12)	C	1,1-dichloroeth	0.193	0.191	0.224	0.214	0.225	0.225	0.227	0.214	7.39#
13)		acetone		0.077	0.067	0.057	0.062	0.062	0.058	0.064	11.45
14)		iodomethane	0.175	0.180	0.256	0.310	0.378	0.389	0.376	-----	
									L M=	0.383	R=0.999
									B=	-0.017	
15)		carbon disulfid	0.591	0.533	0.595	0.583	0.604	0.623	0.638	0.595	5.65
16)		methyl acetate		0.137	0.129	0.116	0.118	0.127	0.128	0.126	6.02
17)		methylene chlor	0.380	0.294	0.310	0.287	0.295	0.289	0.293	0.307	10.80
18)		acrylonitrile	0.053	0.061	0.068	0.068	0.069	0.072	0.072	0.066	10.37
19)		trans-1,2-dichl	0.252	0.212	0.234	0.227	0.237	0.242	0.244	0.235	5.49
20)		methyl (tert) b	0.480	0.473	0.530	0.521	0.549	0.581	0.588	0.532	8.49
21)	P	1,1-dichloroeth	0.402	0.391	0.434	0.417	0.430	0.433	0.437	0.421	4.30
22)		vinyl acetate	0.291	0.267	0.337	0.349	0.351	0.423	0.446	-----	
									L M=	0.450	R=0.998
									B=	-0.041	
23)		2,2-dichloropro	0.247	0.247	0.279	0.275	0.295	0.309	0.343	0.285	12.00
24)		cis-1,2-dichlor	0.234	0.220	0.248	0.246	0.255	0.259	0.263	0.246	6.20
25)		2-butanone (MEK	0.082	0.084	0.077	0.063	0.071	0.075	0.075	0.075	9.31
26)		bromochlorometh	0.177	0.177	0.197	0.182	0.188	0.187	0.181	0.184	3.77
27)		tetrahydrofuran		0.011	0.017	0.015	0.017	0.019	0.019	-----	
									L M=	0.020	R=1.000
									B=	-0.002	
28)	C	chloroform	0.457	0.420	0.460	0.428	0.446	0.450	0.458	0.446	3.53#
29)	S	#Dibromofluorom	0.264	0.262	0.269	0.263	0.267	0.265	0.271	0.266	1.26
30)		1,1,1-trichloro	0.376	0.363	0.407	0.401	0.424	0.430	0.437	0.405	6.86
31)		cyclohexane	0.295	0.323	0.381	0.380	0.395	0.406	0.412	0.370	11.91
32)		carbon tetrachl	0.318	0.331	0.371	0.364	0.388	0.399	0.403	0.368	9.00
33)		1,1-dichloropro	0.306	0.312	0.362	0.355	0.369	0.379	0.389	0.353	9.05
34)		benzene	0.902	0.893	1.024	0.966	1.000	1.007	1.018	0.973	5.64
35)		1,2-dichloroeth	0.336	0.335	0.368	0.357	0.363	0.365	0.373	0.357	4.28
36)		heptane								0.000	-1.00
37)	s	#1,2-Dichloroet	0.326	0.323	0.321	0.322	0.316	0.317	0.319	0.321	1.07
38)		trichloroethene	0.259	0.264	0.297	0.287	0.298	0.296	0.298	0.285	5.88
39)		methylcyclohexa	0.329	0.339	0.387	0.389	0.412	0.422	0.435	0.387	10.45
40)	C	1,2-dichloropro	0.222	0.196	0.227	0.225	0.228	0.234	0.241	0.225	6.29#
41)		dibromomethane	0.127	0.128	0.139	0.131	0.135	0.137	0.138	0.134	3.57
42)		1,4-dioxane	0.000	0.002	0.002	0.001	0.001	0.001		-----	
									L M=	0.001	R=0.997
									B=	-0.000	
43)		bromodichlorome	0.317	0.293	0.325	0.312	0.331	0.342	0.347	0.324	5.67

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Method Path : C:\MSDCHEM\1\METHODS\
Method File : 8260B-B20.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Tue Apr 17 08:01:49 2012
Response Via : Initial Calibration

44)		2-chloroethyl v	0.084	0.086	0.099	0.097	0.110	0.118	0.119	0.102	14.03
45)		cis-1,3-dichlor	0.257	0.271	0.304	0.313	0.342	0.364	0.387	0.320	14.87
46)		4-methyl-2-pent	0.138	0.126	0.152	0.152	0.169	0.189	0.195	-----	
								L M= 0.197 R=0.999			
								B= -0.014			
47)	s	#Toluene-d8	1.038	1.030	1.050	1.056	1.063	1.076	1.097	1.059	2.16
48)	C	toluene	1.000	0.992	1.135	1.080	1.121	1.134	1.165	1.090	6.30#
49)		trans-1,3-dichl	0.213	0.226	0.271	0.280	0.310	0.345	0.368	-----	
								L M= 0.370 R=0.999			
								B= -0.032			
50)		1,1,2-trichloro	0.153	0.134	0.162	0.149	0.157	0.159	0.160	0.154	6.27
51)		Chlorobenzene-d5	----------				ISTD	----------			
52)		tetrachloroethe	0.414	0.388	0.418	0.404	0.415	0.413	0.405	0.408	2.49
53)		1,3-dichloropro	0.404	0.386	0.416	0.411	0.421	0.431	0.428	0.414	3.68
54)		2-hexanone (MBK		0.109	0.122	0.120	0.137	0.156	0.155	0.133	14.64
55)		dibromochlorome	0.244	0.229	0.266	0.264	0.277	0.296	0.301	0.268	9.78
56)		1,2-dibromoetha	0.195	0.193	0.214	0.211	0.219	0.229	0.224	0.212	6.50
57)		chlorobenzene	0.869	0.771	0.875	0.834	0.846	0.860	0.857	0.845	4.17
58)		1-chlorohexane	0.260	0.268	0.303	0.296	0.301	0.306	0.310	0.292	6.73
59)		1,1,1,2-tetrach	0.239	0.261	0.292	0.284	0.302	0.314	0.314	0.287	9.73
60)	C	ethylbenzene	1.251	1.325	1.480	1.450	1.486	1.529	1.526	1.435	7.42#
61)		m+p-xylene	0.470	0.498	0.577	0.562	0.583	0.588	0.585	0.552	8.69
62)		o-xylene	0.430	0.439	0.518	0.530	0.541	0.552	0.549	0.509	10.20
63)		styrene	0.696	0.766	0.930	0.910	0.937	0.947	0.944	0.876	11.60
64)	P	bromoform	0.136	0.142	0.162	0.168	0.178	0.195	0.195	0.168	13.97
65)	S	#4-Bromofluorob	0.503	0.514	0.517	0.519	0.511	0.512	0.504	0.512	1.16
66)	I	1,4-Dichlorobenzene-d	----------				ISTD	----------			
67)		isopropylbenzen	1.736	1.867	2.162	2.177	2.260	2.322	2.396	2.132	11.37
68)		bromobenzene	0.969	0.837	0.920	0.895	0.913	0.916	0.939	0.913	4.48
69)	P	1,1,2,2-tetrach	0.509	0.445	0.494	0.468	0.463	0.479	0.484	0.477	4.44
70)		1,2,3-trichloro	0.157	0.161	0.176	0.162	0.160	0.169	0.169	0.165	4.04
71)		1,4-dichloro-2-	0.077	0.099	0.121	0.125	0.132	0.149	0.163	-----	
								L M= 0.164 R=0.998			
								B= -0.016			
72)		n-propylbenzene	0.495	0.544	0.626	0.624	0.652	0.661	0.684	0.612	11.12
73)		2-chlorotoluene	0.534	0.502	0.582	0.560	0.570	0.583	0.585	0.559	5.56
74)		1,3,5-trimethyl	1.465	1.584	1.856	1.812	1.900	1.921	1.995	1.790	10.80
75)		4-chlorotoluene	0.504	0.505	0.589	0.577	0.597	0.597	0.608	0.568	7.82
76)		tert-butylbenze	1.264	1.331	1.573	1.563	1.638	1.684	1.735	1.541	11.53
77)		1,2,4-trimethyl	1.405	1.584	1.854	1.831	1.916	1.941	2.016	1.793	12.18
78)		sec-butylbenzen	1.558	1.813	2.088	2.039	2.151	2.205	2.312	2.024	12.73
79)		1,3-dichloroben	1.100	1.041	1.155	1.093	1.138	1.141	1.166	1.119	3.91
80)		4-isopropyltolu	1.541	1.593	1.847	1.811	1.894	1.944	2.042	1.810	10.08
81)		1,4-dichloroben	1.328	1.087	1.186	1.136	1.159	1.149	1.176	1.175	6.38
82)		1,2-dichloroben	1.018	0.960	1.081	1.053	1.080	1.092	1.107	1.056	4.86
83)		n-butylbenzene	0.953	1.107	1.318	1.339	1.435	1.497	1.597	-----	
								L M= 1.599 R=0.999			
								B= -0.101			
84)		hexachloroethan	0.150	0.179	0.209	0.214	0.238	0.264	0.284	-----	
								L M= 0.285 R=0.999			
								B= -0.026			
85)		1,2-dibromo-3-c	0.062	0.067	0.085	0.079	0.090	0.098	0.103	-----	
								L M= 0.104 R=0.999			
								B= -0.008			
86)		1,2,4-trichloro	0.493	0.492	0.565	0.568	0.627	0.666	0.702	0.588	13.87
87)		hexachlorobutad	0.321	0.296	0.312	0.307	0.316	0.329	0.346	0.318	5.06
88)		naphthalene	0.757	0.770	0.964	1.014	1.128	1.256	1.295	-----	
								L M= 1.307 R=0.999			
								B= -0.098			
89)		1,2,3-trichloro	0.390	0.394	0.471	0.459	0.487	0.519	0.528	0.464	11.79
90)		2-methylnaphtha	0.122	0.118	0.163	0.179	0.203	0.260	0.262	-----	

00806

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 8260B-B20.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Tue Apr 17 08:01:49 2012
Response Via : Initial Calibration

L M= 0.267 R=0.998
B= -0.029

Total Average %RSD 7.35

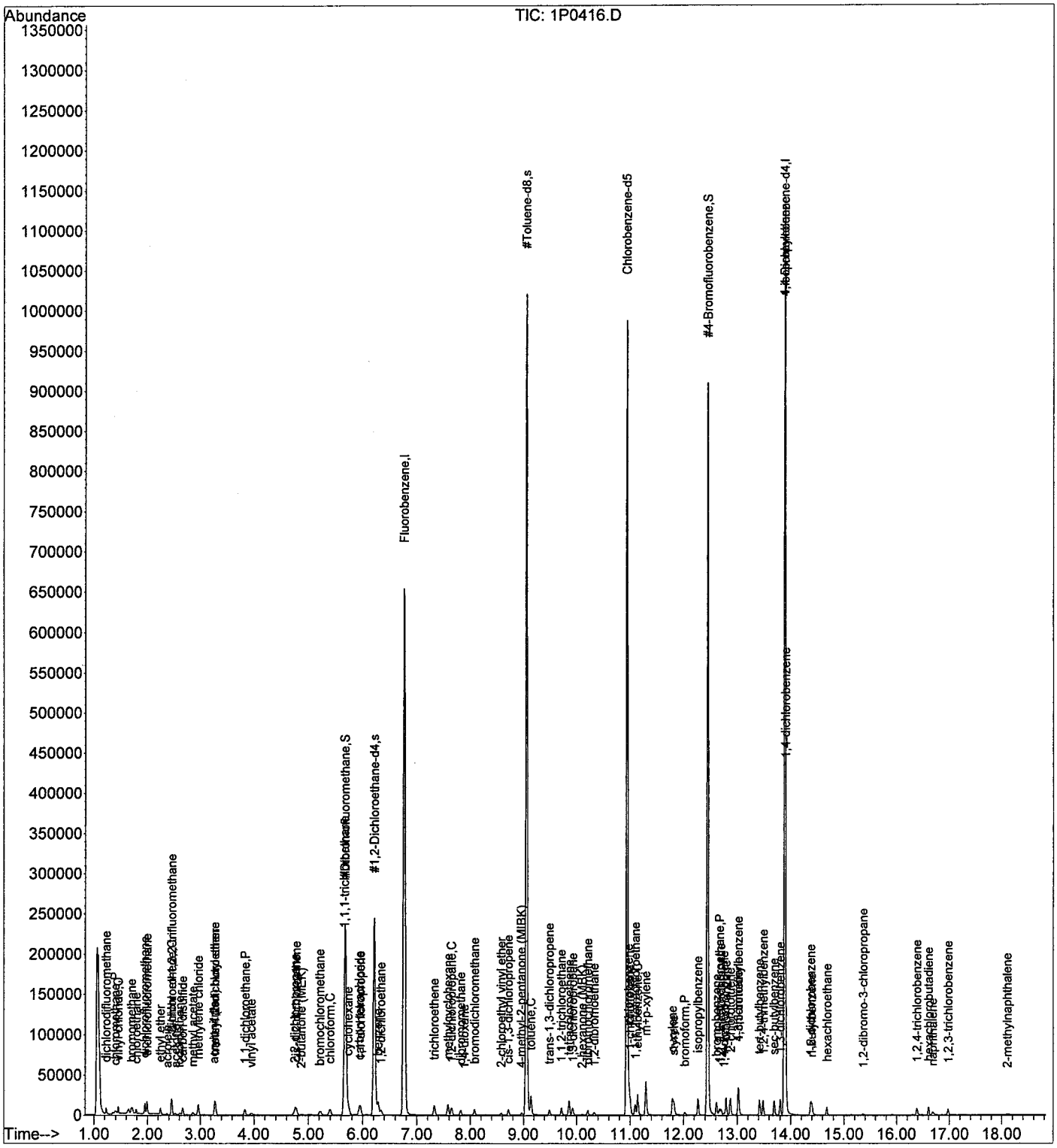
L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

8260B-B20.M Tue Apr 17 08:02:24 2012

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 1P0416.D
Acq On : 16 Apr 2012 11:54
Operator : DLV
Sample : CAL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 17 07:58:26 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration



00808

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 1P0416.D
Acq On : 16 Apr 2012 11:54
Operator : DLV
Sample : CAL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 17 07:58:26 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	725392	40.00	ug/L	0.00 57.26%
51) Chlorobenzene-d5	10.94	117	604266	40.00	ug/L	0.00 60.57%
66) 1,4-Dichlorobenzene-d4	13.89	152	340735	40.00	ug/L	0.00 64.85%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	191163	44.39	ug/L	0.00
Spiked Amount 40.000			Recovery =	110.97%		
37) #1,2-Dichloroethane-d4	6.22	65	236433	53.46	ug/L	0.00
Spiked Amount 40.000			Recovery =	133.65%		
47) #Toluene-d8	9.06	98	752748	41.94	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.85%		
65) #4-Bromofluorobenzene	12.45	95	304198	42.49	ug/L	0.00
Spiked Amount 40.000			Recovery =	106.23%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	3813	1.33	ug/L	98
3) chloromethane	1.40	50	4544	1.29	ug/L	100
4) vinyl chloride	1.45	62	5098	1.14	ug/L	99
5) bromomethane	1.71	94	4761	3.04	ug/L	98
6) chloroethane	1.79	64	3323	1.12	ug/L	92
7) dichlorofluoromethane	1.95	67	9088	1.28	ug/L	95
8) trichlorofluoromethane	1.99	101	8519	1.35	ug/L	99
9) ethyl ether	2.24	74	2546	1.33	ug/L	87
10) acrolein	2.36	56	329	0.71	ug/L #	79
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	3714	1.07	ug/L	97
12) 1,1-dichloroethene	2.45	96	3491	0.92	ug/L #	69
13) acetone	2.53	43	2290	3.73	ug/L	87
14) iodomethane	2.61	142	3179	2.38	ug/L #	97
15) carbon disulfide	2.66	76	10715	1.04	ug/L	97
16) methyl acetate	2.86	43	3869	2.10	ug/L	88
17) methylene chloride	2.97	49	6888	1.42	ug/L	96
18) acrylonitrile	3.25	53	964	3.50	ug/L #	50
19) trans-1,2-dichloroethene	3.27	96	4561	1.13	ug/L	93
20) methyl (tert) butyl ether	3.29	73	8701	1.08	ug/L	96
21) 1,1-dichloroethane	3.84	63	7290	1.09	ug/L	96
22) vinyl acetate	3.94	43	5273	5.01	ug/L	78
23) 2,2-dichloropropane	4.75	77	4485	3.68	ug/L #	51
24) cis-1,2-dichloroethene	4.78	96	4239	1.01	ug/L	94
25) 2-butanone (MEK)	4.87	43	1490	1.43	ug/L #	57
26) bromochloromethane	5.22	49	3217	1.14	ug/L	94
27) tetrahydrofuran	0.00	71	0	N.D.		
28) chloroform	5.39	83	8286	1.26	ug/L	93
30) 1,1,1-trichloroethane	5.66	97	6824	1.22	ug/L	95
31) cyclohexane	5.74	56	5358	0.88	ug/L #	90
32) carbon tetrachloride	5.94	117	5766	1.17	ug/L	99
33) 1,1-dichloropropene	5.97	75	5551	1.01	ug/L	99
34) benzene	6.29	78	16352	0.99	ug/L #	72
35) 1,2-dichloroethane	6.35	62	6093	1.29	ug/L	89
36) heptane	6.76	57	24696	No Calib	#	

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 1P0416.D
Acq On : 16 Apr 2012 11:54
Operator : DLV
Sample : CAL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 17 07:58:26 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

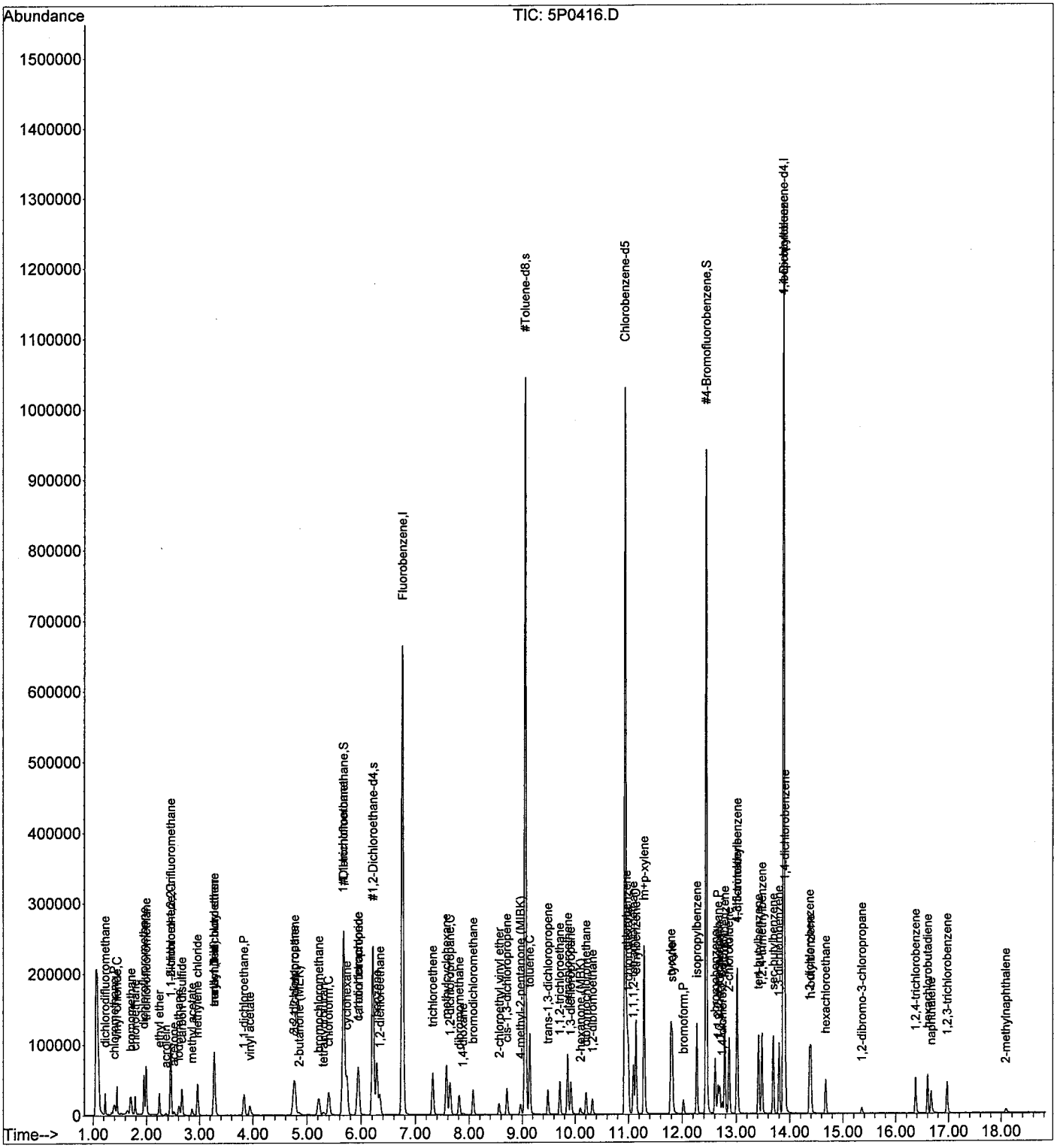
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.33	130	4696	1.01	ug/L		89
39) methylcyclohexane	7.58	83	5959	0.91	ug/L		90
40) 1,2-dichloropropane	7.64	63	4023	1.09	ug/L	#	85
41) dibromomethane	7.82	93	2303	1.11	ug/L		95
42) 1,4-dioxane	7.89	88	96	5.37	ug/L	#	100
43) bromodichloromethane	8.08	83	5754	1.24	ug/L		91
44) 2-chloroethyl vinyl ether	8.58	63	1531	4.32	ug/L	#	62
45) cis-1,3-dichloropropene	8.72	75	4669	3.83	ug/L		88
46) 4-methyl-2-pentanone (MIBK	8.96	43	2501	6.53	ug/L	#	67
48) toluene	9.15	91	18137	1.02	ug/L		98
49) trans-1,3-dichloropropene	9.49	75	3866	4.88	ug/L		86
50) 1,1,2-trichloroethane	9.72	83	2773	1.13	ug/L		94
52) tetrachloroethene	9.86	166	6249	1.12	ug/L		97
53) 1,3-dichloropropane	9.92	76	6102	1.06	ug/L		95
54) 2-hexanone (MBK)	10.11	43	1148	6.05	ug/L	#	47
55) dibromochloromethane	10.21	129	3685	3.68	ug/L		99
56) 1,2-dibromoethane	10.33	109	2948	0.98	ug/L	#	96
57) chlorobenzene	10.98	112	13127	1.06	ug/L		96
58) 1-chlorohexane	11.00	55	3934	1.05	ug/L	#	78
59) 1,1,1,2-tetrachloroethane	11.11	131	3614	0.96	ug/L		94
60) ethylbenzene	11.14	91	18896	0.93	ug/L		98
61) m+p-xylene	11.30	106	14199	1.76	ug/L		89
62) o-xylene	11.80	106	6490	0.87	ug/L		99
63) styrene	11.83	104	10515	0.82	ug/L		92
64) bromoform	12.03	173	2051	4.43	ug/L		95
67) isopropylbenzene	12.28	105	14788	0.80	ug/L		100
68) bromobenzene	12.61	77	8255	1.09	ug/L		95
69) 1,1,2,2-tetrachloroethane	12.67	83	4338	1.12	ug/L	#	97
70) 1,2,3-trichloropropane	12.70	110	1339	1.05	ug/L	#	83
71) 1,4-dichloro-2-butene	12.76	53	656	6.81	ug/L	#	8
72) n-propylbenzene	12.80	120	4216	0.79	ug/L		95
73) 2-chlorotoluene	12.87	126	4545	0.94	ug/L		95
74) 1,3,5-trimethylbenzene	13.02	105	12477	0.83	ug/L		100
75) 4-chlorotoluene	13.02	126	4297	0.87	ug/L	#	90
76) tert-butylbenzene	13.42	119	10769	0.83	ug/L		97
77) 1,2,4-trimethylbenzene	13.49	105	11966	0.80	ug/L		99
78) sec-butylbenzene	13.69	105	13271	0.77	ug/L		99
79) 1,3-dichlorobenzene	13.81	146	9366	1.02	ug/L		99
80) 4-isopropyltoluene	13.89	119	13123	0.88	ug/L		90
81) 1,4-dichlorobenzene	13.91	146	11312	1.19	ug/L	#	76
82) 1,2-dichlorobenzene	14.38	146	8668	1.00	ug/L		98
83) n-butylbenzene	14.41	91	8122	2.99	ug/L		97
84) hexachloroethane	14.69	201	1282	4.96	ug/L	#	60
85) 1,2-dibromo-3-chloropropan	15.37	157	527	6.81	ug/L	#	20
86) 1,2,4-trichlorobenzene	16.39	180	4198	3.71	ug/L		87
87) hexachlorobutadiene	16.61	225	2734	1.17	ug/L		94
88) naphthalene	16.69	128	6446	4.88	ug/L	#	87
89) 1,2,3-trichlorobenzene	16.98	180	3325	4.01	ug/L		91
90) 2-methylnaphthalene	18.10	142	1036	9.29	ug/L	#	17

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

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 5P0416.D
Acq On : 16 Apr 2012 12:22
Operator : DLV
Sample : CAL2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 17 07:58:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration



00811

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 5P0416.D
Acq On : 16 Apr 2012 12:22
Operator : DLV
Sample : CAL2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 17 07:58:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	741745	40.00	ug/L	0.00 58.55%
51) Chlorobenzene-d5	10.94	117	621954	40.00	ug/L	0.00 62.34%
66) 1,4-Dichlorobenzene-d4	13.89	152	357644	40.00	ug/L	0.00 68.07%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	194637	44.20	ug/L	0.00
Spiked Amount 40.000			Recovery =	110.50%		
37) #1,2-Dichloroethane-d4	6.22	65	239559	52.97	ug/L	0.00
Spiked Amount 40.000			Recovery =	132.42%		
47) #Toluene-d8	9.06	98	763948	41.63	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.08%		
65) #4-Bromofluorobenzene	12.45	95	319876	43.41	ug/L	0.00
Spiked Amount 40.000			Recovery =	108.52%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	17503	5.95	ug/L	97
3) chloromethane	1.40	50	20937	5.80	ug/L	99
4) vinyl chloride	1.45	62	26724	5.85	ug/L	99
5) bromomethane	1.71	94	18546	7.57	ug/L	100
6) chloroethane	1.79	64	16298	5.39	ug/L	98
7) dichlorofluoromethane	1.95	67	45534	6.26	ug/L	97
8) trichlorofluoromethane	1.99	101	45509	7.03	ug/L	94
9) ethyl ether	2.25	74	10788	5.51	ug/L	98
10) acrolein	2.37	56	1986	4.20	ug/L #	97
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	18065	5.10	ug/L	96
12) 1,1-dichloroethene	2.46	96	17700	4.58	ug/L #	79
13) acetone	2.52	43	7096	7.40	ug/L	83
14) iodomethane	2.61	142	16712	4.28	ug/L #	89
15) carbon disulfide	2.66	76	49373	4.68	ug/L	97
16) methyl acetate	2.86	43	12663	6.71	ug/L	88
17) methylene chloride	2.97	49	27272	5.65	ug/L	90
18) acrylonitrile	3.27	53	5649	7.19	ug/L	94
19) trans-1,2-dichloroethene	3.28	96	19638	4.75	ug/L	93
20) methyl (tert) butyl ether	3.29	73	43852	5.35	ug/L	98
21) 1,1-dichloroethane	3.83	63	36235	5.30	ug/L	99
22) vinyl acetate	3.94	43	24717	8.21	ug/L	93
23) 2,2-dichloropropane	4.75	77	22946	7.45	ug/L	96
24) cis-1,2-dichloroethene	4.78	96	20375	4.73	ug/L	93
25) 2-butanone (MEK)	4.85	43	7824	7.32	ug/L	92
26) bromochloromethane	5.22	49	16415	5.70	ug/L	95
27) tetrahydrofuran	5.30	71	1023	8.61	ug/L #	39
28) chloroform	5.40	83	38927	5.78	ug/L	99
30) 1,1,1-trichloroethane	5.66	97	33631	5.88	ug/L	95
31) cyclohexane	5.74	56	29922	4.78	ug/L	97
32) carbon tetrachloride	5.94	117	30656	6.09	ug/L	98
33) 1,1-dichloropropene	5.96	75	28971	5.17	ug/L	98
34) benzene	6.28	78	82767	4.92	ug/L	90
35) 1,2-dichloroethane	6.35	62	31075	6.42	ug/L	93
36) heptane	6.76	57	24540	No Calib	#	

00812

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 5P0416.D
Acq On : 16 Apr 2012 12:22
Operator : DLV
Sample : CAL2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 17 07:58:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

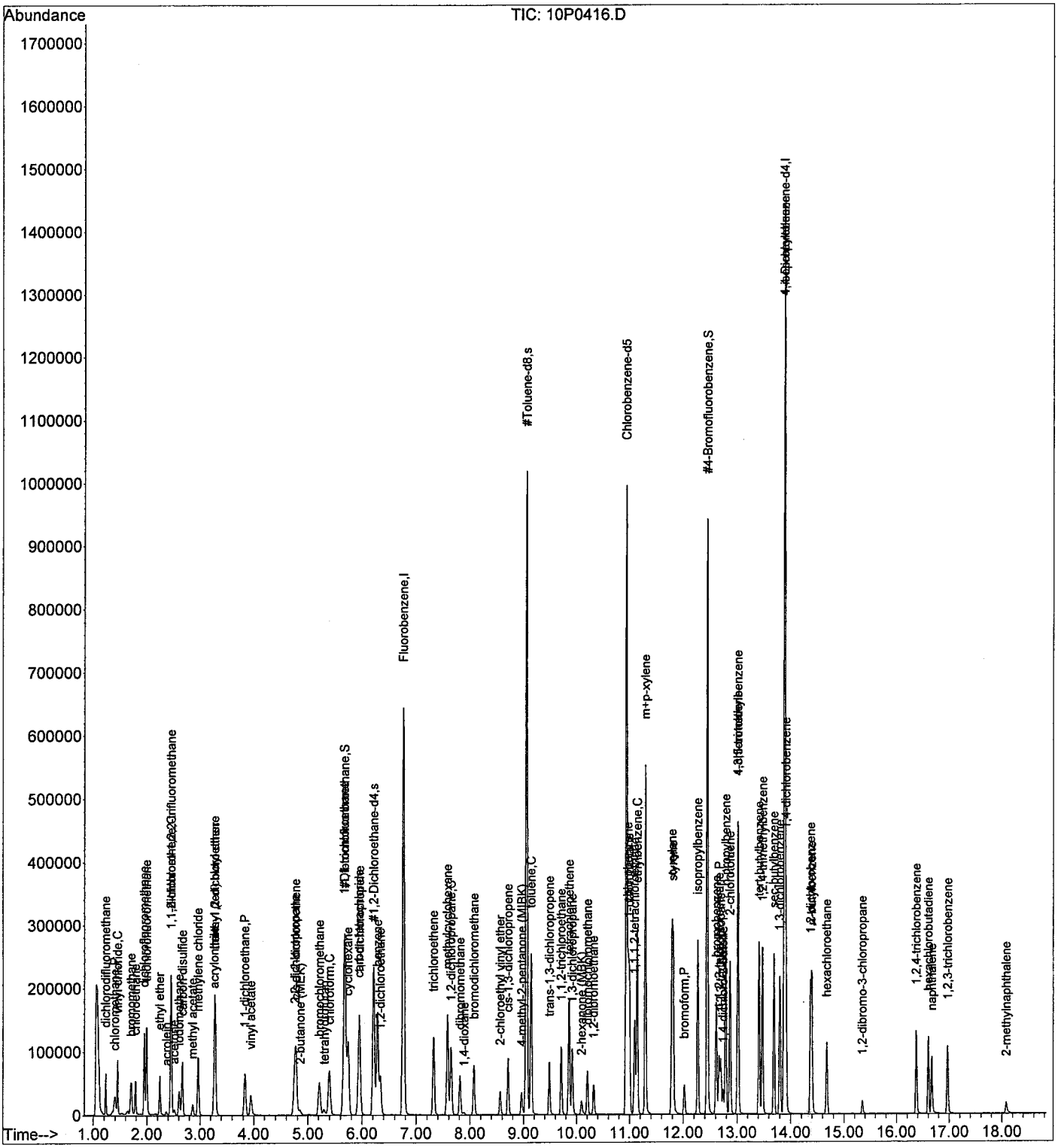
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.33	130	24511	5.18	ug/L		97
39) methylcyclohexane	7.58	83	31446	4.72	ug/L		93
40) 1,2-dichloropropane	7.64	63	18192	4.81	ug/L		96
41) dibromomethane	7.81	93	11883	5.61	ug/L		98
42) 1,4-dioxane	7.89	88	1428	78.13	ug/L	#	100
43) bromodichloromethane	8.08	83	27203	5.74	ug/L		98
44) 2-chloroethyl vinyl ether	8.56	63	7945	7.53	ug/L		97
45) cis-1,3-dichloropropene	8.72	75	25098	7.03	ug/L		91
46) 4-methyl-2-pentanone (MIBK	8.97	43	11703	9.78	ug/L		91
48) toluene	9.15	91	92001	5.04	ug/L		98
49) trans-1,3-dichloropropene	9.49	75	20955	7.85	ug/L		89
50) 1,1,2-trichloroethane	9.72	83	12442	4.97	ug/L		94
52) tetrachloroethene	9.86	166	30170	5.25	ug/L		98
53) 1,3-dichloropropane	9.92	76	30041	5.05	ug/L		98
54) 2-hexanone (MBK)	10.10	43	8474	9.18	ug/L		83
55) dibromochloromethane	10.20	129	17778	6.91	ug/L		100
56) 1,2-dibromoethane	10.33	109	14966	4.83	ug/L		99
57) chlorobenzene	10.97	112	59949	4.71	ug/L	#	87
58) 1-chlorohexane	11.00	55	20844	5.42	ug/L	#	79
59) 1,1,1,2-tetrachloroethane	11.10	131	20282	5.22	ug/L		99
60) ethylbenzene	11.14	91	102987	4.93	ug/L		94
61) m+p-xylene	11.30	106	77415	9.30	ug/L		90
62) o-xylene	11.80	106	34161	4.47	ug/L	#	86
63) styrene	11.82	104	59558	4.53	ug/L		90
64) bromoform	12.03	173	11040	7.68	ug/L		96
67) isopropylbenzene	12.27	105	83460	4.32	ug/L		98
68) bromobenzene	12.61	77	37409	4.69	ug/L		98
69) 1,1,2,2-tetrachloroethane	12.67	83	19891	4.90	ug/L	#	99
70) 1,2,3-trichloropropane	12.70	110	7193	5.40	ug/L	#	74
71) 1,4-dichloro-2-butene	12.75	53	4428	9.82	ug/L	#	51
72) n-propylbenzene	12.79	120	24340	4.34	ug/L		94
73) 2-chlorotoluene	12.87	126	22430	4.43	ug/L	#	88
74) 1,3,5-trimethylbenzene	13.02	105	70812	4.51	ug/L		99
75) 4-chlorotoluene	13.02	126	22557	4.34	ug/L		93
76) tert-butylbenzene	13.42	119	59507	4.39	ug/L		97
77) 1,2,4-trimethylbenzene	13.48	105	70835	4.51	ug/L		96
78) sec-butylbenzene	13.70	105	81040	4.47	ug/L		98
79) 1,3-dichlorobenzene	13.80	146	46519	4.81	ug/L		98
80) 4-isopropyltoluene	13.89	119	71214	4.54	ug/L		96
81) 1,4-dichlorobenzene	13.92	146	48607	4.86	ug/L		95
82) 1,2-dichlorobenzene	14.37	146	42934	4.74	ug/L		98
83) n-butylbenzene	14.40	91	49477	5.90	ug/L		99
84) hexachloroethane	14.69	201	8007	7.75	ug/L	#	81
85) 1,2-dibromo-3-chloropropan	15.36	157	3006	9.59	ug/L		89
86) 1,2,4-trichlorobenzene	16.37	180	22002	6.69	ug/L		99
87) hexachlorobutadiene	16.61	225	13252	5.41	ug/L		95
88) naphthalene	16.67	128	34440	7.30	ug/L		98
89) 1,2,3-trichlorobenzene	16.97	180	17628	7.20	ug/L		99
90) 2-methylnaphthalene	18.09	142	5255	10.95	ug/L		91

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

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 10P0416.D
Acq On : 16 Apr 2012 12:50
Operator : DLV
Sample : CAL3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 17 07:59:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration



00814

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 10P0416.D
Acq On : 16 Apr 2012 12:50
Operator : DLV
Sample : CAL3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 17 07:59:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	712218	40.00	ug/L	0.00 56.22%
51) Chlorobenzene-d5	10.94	117	606177	40.00	ug/L	0.00 60.76%
66) 1,4-Dichlorobenzene-d4	13.89	152	351746	40.00	ug/L	0.00 66.94%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	191915	45.39	ug/L	0.00
Spiked Amount 40.000			Recovery =	113.47%		
37) #1,2-Dichloroethane-d4	6.22	65	228816	52.69	ug/L	0.00
Spiked Amount 40.000			Recovery =	131.72%		
47) #Toluene-d8	9.06	98	747488	42.42	ug/L	0.00
Spiked Amount 40.000			Recovery =	106.05%		
65) #4-Bromofluorobenzene	12.45	95	313277	43.62	ug/L	0.00
Spiked Amount 40.000			Recovery =	109.05%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	37266	13.19	ug/L	100
3) chloromethane	1.40	50	47927	13.83	ug/L	99
4) vinyl chloride	1.45	62	55732	12.70	ug/L	98
5) bromomethane	1.71	94	36002	13.86	ug/L	97
6) chloroethane	1.79	64	35483	12.21	ug/L	96
7) dichlorofluoromethane	1.95	67	94179	13.48	ug/L	100
8) trichlorofluoromethane	2.00	101	95437	15.35	ug/L	94
9) ethyl ether	2.24	74	21238	11.29	ug/L	90
10) acrolein	2.37	56	4775	10.53	ug/L #	96
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	38846	11.42	ug/L	98
12) 1,1-dichloroethene	2.46	96	39869	10.74	ug/L #	81
13) acetone	2.52	43	11956	11.53	ug/L	85
14) iodomethane	2.61	142	45523	8.61	ug/L #	90
15) carbon disulfide	2.67	76	105913	10.46	ug/L	99
16) methyl acetate	2.86	43	22972	12.67	ug/L	92
17) methylene chloride	2.97	49	55196	11.96	ug/L	90
18) acrylonitrile	3.26	53	12050	12.66	ug/L #	94
19) trans-1,2-dichloroethene	3.28	96	41670	10.51	ug/L	91
20) methyl (tert) butyl ether	3.29	73	94383	11.99	ug/L	99
21) 1,1-dichloroethane	3.83	63	77311	11.77	ug/L	99
22) vinyl acetate	3.94	43	59923	14.44	ug/L	96
23) 2,2-dichloropropane	4.75	77	49597	13.34	ug/L	98
24) cis-1,2-dichloroethene	4.77	96	44215	10.69	ug/L	89
25) 2-butanone (MEK)	4.85	43	13719	13.37	ug/L	93
26) bromochloromethane	5.21	49	35069	12.69	ug/L	92
27) tetrahydrofuran	5.32	71	2992	14.55	ug/L #	73
28) chloroform	5.40	83	81936	12.67	ug/L	99
30) 1,1,1-trichloroethane	5.66	97	72409	13.19	ug/L	96
31) cyclohexane	5.74	56	67914	11.31	ug/L	96
32) carbon tetrachloride	5.94	117	66011	13.65	ug/L	99
33) 1,1-dichloropropene	5.96	75	64489	11.99	ug/L	98
34) benzene	6.29	78	182302	11.29	ug/L	93
35) 1,2-dichloroethane	6.35	62	65608	14.12	ug/L	94
36) heptane	6.76	57	24770	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 10P0416.D
Acq On : 16 Apr 2012 12:50
Operator : DLV
Sample : CAL3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 17 07:59:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

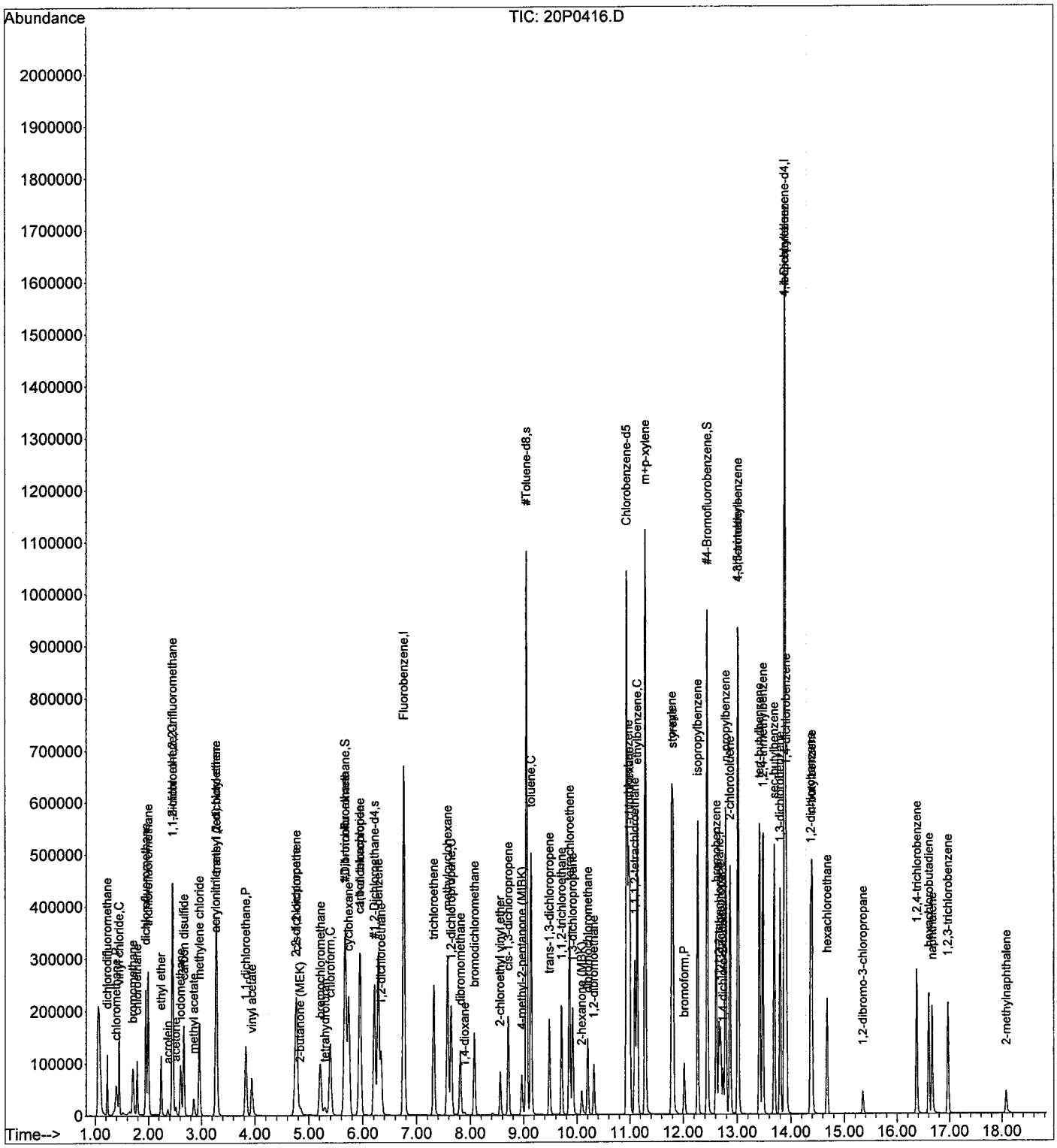
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	52855	11.63	ug/L		98
39) methylcyclohexane	7.58	83	68874	10.77	ug/L		93
40) 1,2-dichloropropane	7.64	63	40408	11.12	ug/L		100
41) dibromomethane	7.81	93	24683	12.15	ug/L		99
42) 1,4-dioxane	7.89	88	3087	175.90	ug/L	#	100
43) bromodichloromethane	8.08	83	57924	12.72	ug/L		100
44) 2-chloroethyl vinyl ether	8.56	63	17591	12.74	ug/L		99
45) cis-1,3-dichloropropene	8.72	75	54206	11.97	ug/L		88
46) 4-methyl-2-pentanone (MIBK	8.97	43	27149	15.66	ug/L		93
48) toluene	9.14	91	202132	11.54	ug/L		99
49) trans-1,3-dichloropropene	9.49	75	48224	12.98	ug/L		90
50) 1,1,2-trichloroethane	9.72	83	28921	12.02	ug/L		99
52) tetrachloroethene	9.86	166	63306	11.30	ug/L		99
53) 1,3-dichloropropane	9.92	76	62980	10.86	ug/L		98
54) 2-hexanone (MBK)	10.09	43	18464	13.67	ug/L		91
55) dibromochloromethane	10.20	129	40283	12.35	ug/L		98
56) 1,2-dibromoethane	10.32	109	32378	10.72	ug/L		98
57) chlorobenzene	10.97	112	132658	10.70	ug/L		94
58) 1-chlorohexane	11.00	55	45961	12.26	ug/L		80
59) 1,1,1,2-tetrachloroethane	11.09	131	44272	11.69	ug/L		97
60) ethylbenzene	11.14	91	224356	11.02	ug/L		98
61) m+p-xylene	11.30	106	174932	21.57	ug/L		93
62) o-xylene	11.79	106	78575	10.54	ug/L		91
63) styrene	11.81	104	140982	11.00	ug/L		93
64) bromoform	12.02	173	24496	12.81	ug/L		100
67) isopropylbenzene	12.27	105	190120	10.02	ug/L		98
68) bromobenzene	12.61	77	80895	10.31	ug/L		99
69) 1,1,2,2-tetrachloroethane	12.67	83	43408	10.88	ug/L	#	100
70) 1,2,3-trichloropropane	12.70	110	15456	11.80	ug/L	#	74
71) 1,4-dichloro-2-butene	12.74	53	10661	14.97	ug/L	#	29
72) n-propylbenzene	12.79	120	55088	9.98	ug/L		96
73) 2-chlorotoluene	12.87	126	51192	10.28	ug/L		97
74) 1,3,5-trimethylbenzene	13.02	105	163167	10.57	ug/L		98
75) 4-chlorotoluene	13.02	126	51782	10.12	ug/L		98
76) tert-butylbenzene	13.42	119	138289	10.37	ug/L		97
77) 1,2,4-trimethylbenzene	13.48	105	163039	10.56	ug/L		98
78) sec-butylbenzene	13.69	105	183640	10.30	ug/L		99
79) 1,3-dichlorobenzene	13.80	146	101539	10.68	ug/L		99
80) 4-isopropyltoluene	13.89	119	162407	10.54	ug/L		99
81) 1,4-dichlorobenzene	13.92	146	104279	10.60	ug/L		99
82) 1,2-dichlorobenzene	14.37	146	95102	10.67	ug/L		99
83) n-butylbenzene	14.40	91	115891	10.77	ug/L		99
84) hexachloroethane	14.69	201	18336	12.20	ug/L	#	84
85) 1,2-dibromo-3-chloropropan	15.35	157	7440	14.77	ug/L		95
86) 1,2,4-trichlorobenzene	16.37	180	49724	11.53	ug/L		99
87) hexachlorobutadiene	16.61	225	27414	11.37	ug/L		96
88) naphthalene	16.67	128	84752	11.82	ug/L		98
89) 1,2,3-trichlorobenzene	16.97	180	41410	12.73	ug/L		98
90) 2-methylnaphthalene	18.08	142	14333	14.67	ug/L		99

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

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 20P0416.D
Acq On : 16 Apr 2012 13:17
Operator : DLV
Sample : CAL4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 17 07:59:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration



00817

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 20P0416.D
Acq On : 16 Apr 2012 13:17
Operator : DLV
Sample : CAL4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 17 07:59:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	740958	40.00	ug/L	0.00 58.49%
51) Chlorobenzene-d5	10.94	117	626028	40.00	ug/L	0.00 62.75%
66) 1,4-Dichlorobenzene-d4	13.89	152	362911	40.00	ug/L	0.00 69.07%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	194968	44.33	ug/L	0.00
Spiked Amount 40.000			Recovery =	110.82%		
37) #1,2-Dichloroethane-d4	6.22	65	238648	52.83	ug/L	0.00
Spiked Amount 40.000			Recovery =	132.07%		
47) #Toluene-d8	9.06	98	782638	42.69	ug/L	0.00
Spiked Amount 40.000			Recovery =	106.73%		
65) #4-Bromofluorobenzene	12.45	95	324917	43.81	ug/L	0.00
Spiked Amount 40.000			Recovery =	109.53%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	71485	24.33	ug/L	99
3) chloromethane	1.40	50	90261	25.04	ug/L	99
4) vinyl chloride	1.45	62	104476	22.88	ug/L	99
5) bromomethane	1.71	94	64562	22.85	ug/L	96
6) chloroethane	1.79	64	67412	22.31	ug/L	99
7) dichlorofluoromethane	1.95	67	186949	25.71	ug/L	100
8) trichlorofluoromethane	2.00	101	188842	29.20	ug/L	96
9) ethyl ether	2.24	74	39935	20.41	ug/L	90
10) acrolein	2.37	56	9074	19.23	ug/L #	99
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	76576	21.65	ug/L	98
12) 1,1-dichloroethene	2.46	96	79394	20.55	ug/L #	82
13) acetone	2.52	43	21200	18.29	ug/L	88
14) iodomethane	2.61	142	115012	18.16	ug/L	91
15) carbon disulfide	2.67	76	215965	20.49	ug/L	100
16) methyl acetate	2.86	43	43097	22.85	ug/L	96
17) methylene chloride	2.96	49	106143	22.16	ug/L	90
18) acrylonitrile	3.26	53	25239	22.75	ug/L	96
19) trans-1,2-dichloroethene	3.28	96	84196	20.40	ug/L	91
20) methyl (tert) butyl ether	3.29	73	193054	23.57	ug/L	98
21) 1,1-dichloroethane	3.83	63	154431	22.60	ug/L	99
22) vinyl acetate	3.94	43	129319	25.53	ug/L	95
23) 2,2-dichloropropane	4.75	77	101807	23.66	ug/L	95
24) cis-1,2-dichloroethene	4.77	96	90994	21.15	ug/L	92
25) 2-butanone (MEK)	4.85	43	23462	21.98	ug/L	98
26) bromochloromethane	5.22	49	67500	23.48	ug/L	93
27) tetrahydrofuran	5.30	71	5621	21.69	ug/L #	72
28) chloroform	5.40	83	158631	23.57	ug/L	99
30) 1,1,1-trichloroethane	5.66	97	148734	26.05	ug/L	96
31) cyclohexane	5.74	56	140823	22.54	ug/L	96
32) carbon tetrachloride	5.94	117	134870	26.80	ug/L	99
33) 1,1-dichloropropene	5.96	75	131685	23.53	ug/L	97
34) benzene	6.29	78	357847	21.30	ug/L	93
35) 1,2-dichloroethane	6.34	62	132295	27.37	ug/L	95
36) heptane	6.77	57	25001	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 20P0416.D
Acq On : 16 Apr 2012 13:17
Operator : DLV
Sample : CAL4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 17 07:59:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

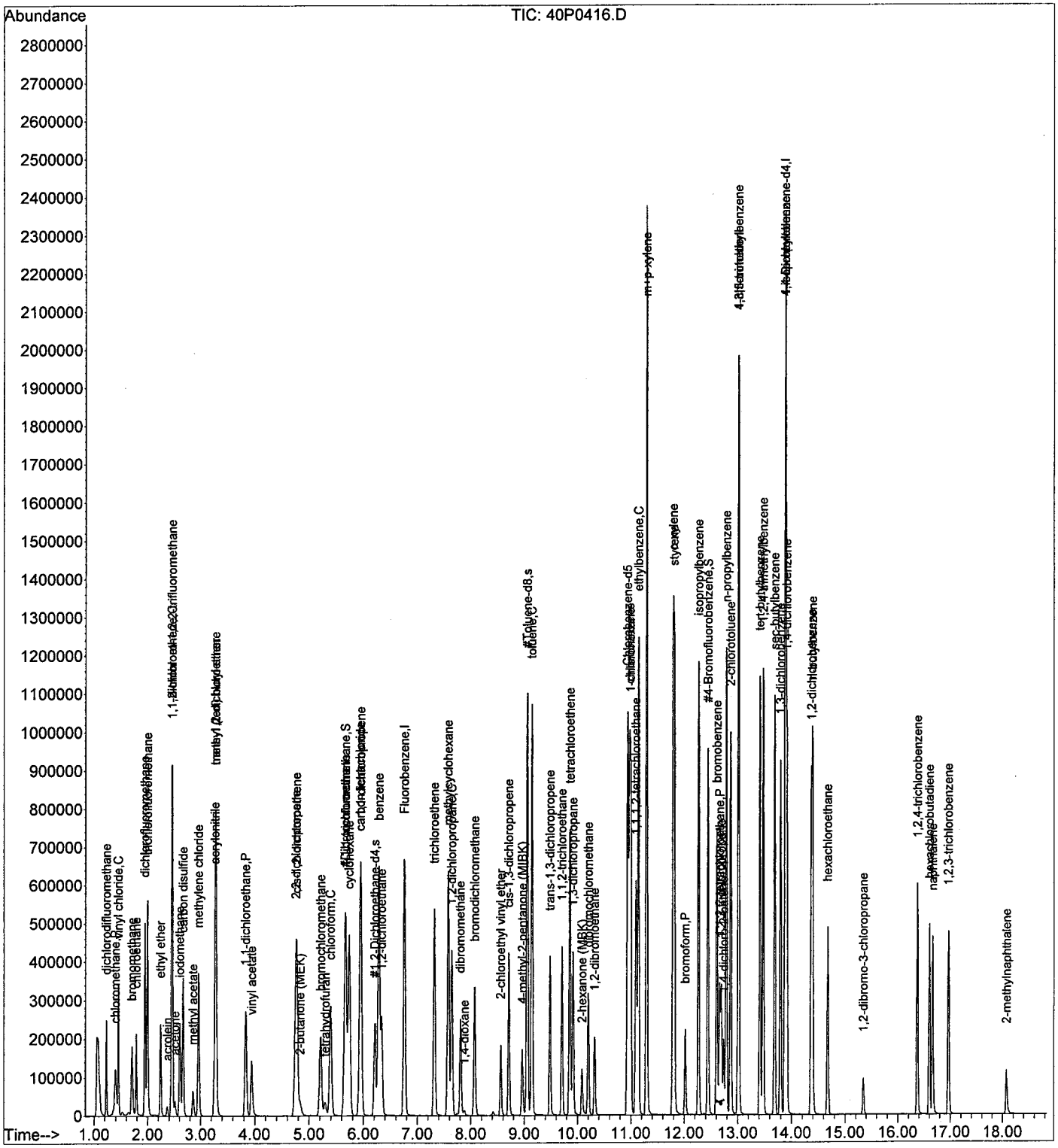
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	106222	22.46 ug/L	99
39) methylcyclohexane	7.58	83	144018	21.64 ug/L	95
40) 1,2-dichloropropane	7.64	63	83477	22.09 ug/L	100
41) dibromomethane	7.81	93	48490	22.94 ug/L	98
42) 1,4-dioxane	7.89	88	4931	270.08 ug/L #	100
43) bromodichloromethane	8.08	83	115691	24.42 ug/L	99
44) 2-chloroethyl vinyl ether	8.56	63	35795	21.54 ug/L	98
45) cis-1,3-dichloropropene	8.71	75	115928	21.37 ug/L	88
46) 4-methyl-2-pentanone (MIBK	8.97	43	56465	25.69 ug/L	92
48) toluene	9.14	91	399998	21.95 ug/L	100
49) trans-1,3-dichloropropene	9.49	75	103868	22.39 ug/L	91
50) 1,1,2-trichloroethane	9.71	83	55311	22.10 ug/L	99
52) tetrachloroethene	9.86	166	126383	21.84 ug/L	99
53) 1,3-dichloropropane	9.92	76	128628	21.48 ug/L	99
54) 2-hexanone (MBK)	10.09	43	37601	21.58 ug/L	91
55) dibromochloromethane	10.20	129	82573	21.74 ug/L	100
56) 1,2-dibromoethane	10.32	109	66077	21.18 ug/L	100
57) chlorobenzene	10.97	112	260922	20.38 ug/L	95
58) 1-chlorohexane	11.00	55	92500	23.89 ug/L	82
59) 1,1,1,2-tetrachloroethane	11.09	131	89008	22.76 ug/L	98
60) ethylbenzene	11.14	91	453836	21.59 ug/L	97
61) m+p-xylene	11.30	106	351985	42.03 ug/L	93
62) o-xylene	11.79	106	165918	21.55 ug/L	96
63) styrene	11.81	104	284756	21.51 ug/L	94
64) bromoform	12.02	173	52740	22.74 ug/L	98
67) isopropylbenzene	12.27	105	395112	20.18 ug/L	99
68) bromobenzene	12.61	77	162399	20.06 ug/L	100
69) 1,1,2,2-tetrachloroethane	12.67	83	84855	20.62 ug/L #	100
70) 1,2,3-trichloropropane	12.70	110	29312	21.68 ug/L	91
71) 1,4-dichloro-2-butene	12.74	53	22754	24.28 ug/L #	61
72) n-propylbenzene	12.79	120	113201	19.87 ug/L	98
73) 2-chlorotoluene	12.87	126	101636	19.78 ug/L	98
74) 1,3,5-trimethylbenzene	13.02	105	328710	20.64 ug/L	98
75) 4-chlorotoluene	13.01	126	104781	19.86 ug/L	97
76) tert-butylbenzene	13.42	119	283530	20.60 ug/L	97
77) 1,2,4-trimethylbenzene	13.48	105	332308	20.87 ug/L	97
78) sec-butylbenzene	13.69	105	369920	20.12 ug/L	100
79) 1,3-dichlorobenzene	13.80	146	198350	20.22 ug/L	99
80) 4-isopropyltoluene	13.89	119	328548	20.66 ug/L	98
81) 1,4-dichlorobenzene	13.92	146	206064	20.31 ug/L	99
82) 1,2-dichlorobenzene	14.37	146	191148	20.79 ug/L	99
83) n-butylbenzene	14.40	91	243015	19.42 ug/L	98
84) hexachloroethane	14.68	201	38828	20.42 ug/L #	89
85) 1,2-dibromo-3-chloropropan	15.35	157	14406	22.31 ug/L	90
86) 1,2,4-trichlorobenzene	16.37	180	103116	20.18 ug/L	98
87) hexachlorobutadiene	16.61	225	55734	22.41 ug/L	97
88) naphthalene	16.67	128	183972	20.14 ug/L	99
89) 1,2,3-trichlorobenzene	16.97	180	83334	21.76 ug/L	98
90) 2-methylnaphthalene	18.08	142	32487	21.64 ug/L	97

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

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 40P0416.D
Acq On : 16 Apr 2012 13:45
Operator : DLV
Sample : CAL5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 17 07:59:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration



00820

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 40P0416.D
Acq On : 16 Apr 2012 13:45
Operator : DLV
Sample : CAL5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 17 07:59:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	745510	40.00	ug/L		0.00 58.85%
51) Chlorobenzene-d5	10.94	117	635049	40.00	ug/L		0.00 63.65%
66) 1,4-Dichlorobenzene-d4	13.89	152	364299	40.00	ug/L		0.00 69.33%
System Monitoring Compounds							
29) #Dibromofluoromethane	5.67	111	198981	44.96	ug/L		0.00
Spiked Amount 40.000			Recovery = 112.40%				
37) #1,2-Dichloroethane-d4	6.22	65	235678	51.85	ug/L		0.00
Spiked Amount 40.000			Recovery = 129.63%				
47) #Toluene-d8	9.06	98	792739	42.98	ug/L		0.00
Spiked Amount 40.000			Recovery = 107.45%				
65) #4-Bromofluorobenzene	12.45	95	324507	43.13	ug/L		0.00
Spiked Amount 40.000			Recovery = 107.83%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.23	85	151017	51.08	ug/L		100
3) chloromethane	1.40	50	189167	52.15	ug/L		98
4) vinyl chloride	1.45	62	222471	48.41	ug/L		99
5) bromomethane	1.71	94	122830	41.94	ug/L		99
6) chloroethane	1.79	64	139305	45.81	ug/L		98
7) dichlorofluoromethane	1.95	67	382979	52.35	ug/L		100
8) trichlorofluoromethane	2.00	101	382535	58.80	ug/L		96
9) ethyl ether	2.24	74	82993	42.16	ug/L		90
10) acrolein	2.37	56	20062	42.25	ug/L	#	99
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	158916	44.65	ug/L		98
12) 1,1-dichloroethene	2.46	96	167939	43.21	ug/L	#	84
13) acetone	2.52	43	45896	37.14	ug/L		90
14) iodomethane	2.61	142	281512	41.43	ug/L		92
15) carbon disulfide	2.67	76	450269	42.46	ug/L		100
16) methyl acetate	2.86	43	87854	46.29	ug/L		97
17) methylene chloride	2.96	49	219719	45.65	ug/L		89
18) acrylonitrile	3.26	53	51774	43.55	ug/L		97
19) trans-1,2-dichloroethene	3.28	96	176540	42.52	ug/L		93
20) methyl (tert) butyl ether	3.29	73	409242	49.65	ug/L		99
21) 1,1-dichloroethane	3.83	63	320835	46.67	ug/L		100
22) vinyl acetate	3.94	43	261943	47.23	ug/L		94
23) 2,2-dichloropropane	4.75	77	219811	47.62	ug/L		96
24) cis-1,2-dichloroethene	4.77	96	189777	43.84	ug/L		90
25) 2-butanone (MEK)	4.83	43	52806	49.16	ug/L		90
26) bromochloromethane	5.21	49	139799	48.33	ug/L		93
27) tetrahydrofuran	5.30	71	12874	42.09	ug/L		80
28) chloroform	5.39	83	332792	49.15	ug/L		100
30) 1,1,1-trichloroethane	5.66	97	315862	54.98	ug/L		97
31) cyclohexane	5.74	56	294393	46.83	ug/L		97
32) carbon tetrachloride	5.94	117	289532	57.18	ug/L		100
33) 1,1-dichloropropene	5.96	75	274786	48.80	ug/L		98
34) benzene	6.29	78	745421	44.10	ug/L		93
35) 1,2-dichloroethane	6.34	62	270420	55.61	ug/L		95
36) heptane	6.76	57	25856	No Calib		#	

00821

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 40P0416.D
Acq On : 16 Apr 2012 13:45
Operator : DLV
Sample : CAL5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 17 07:59:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

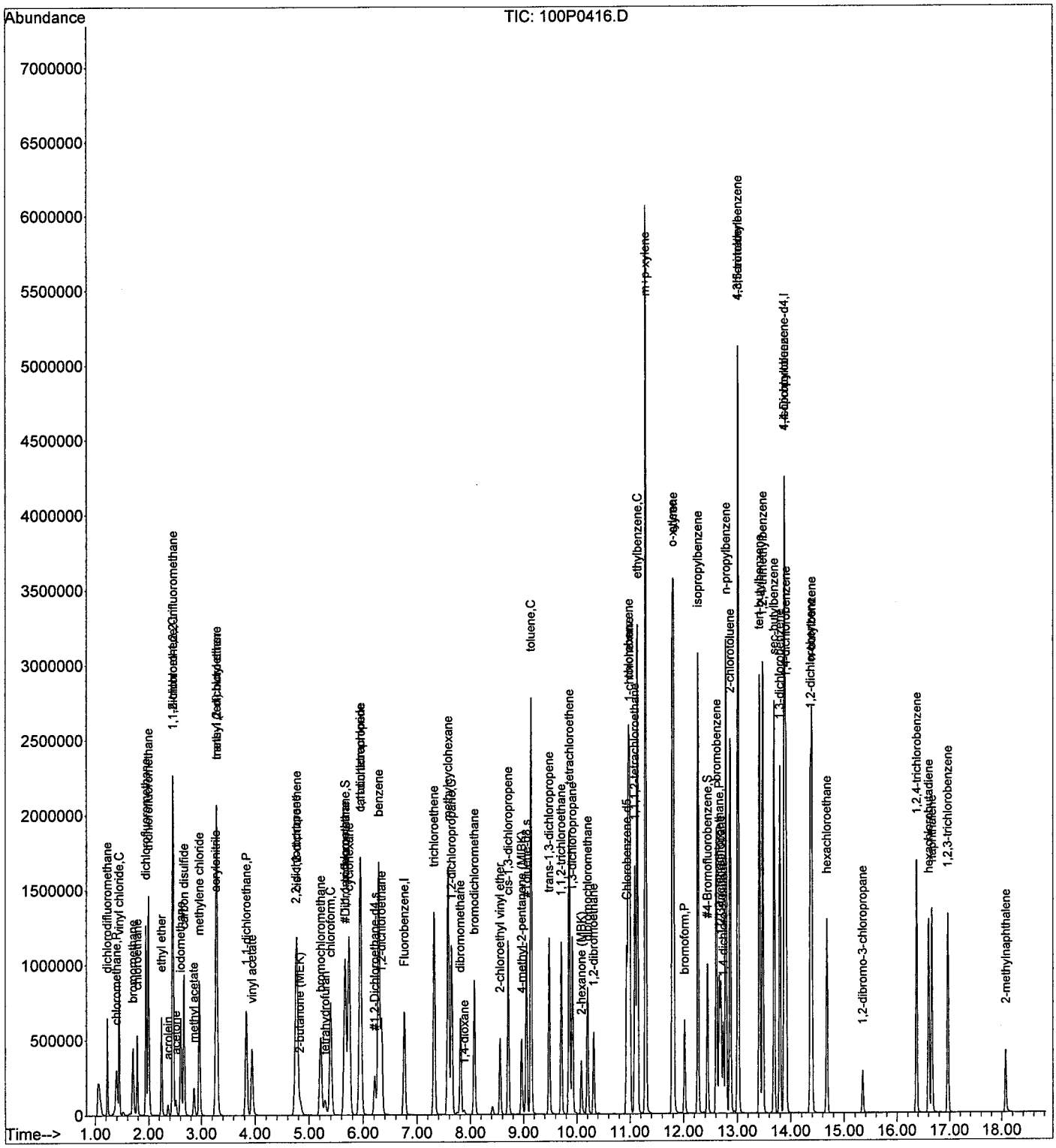
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	221933	46.65 ug/L		100
39) methylcyclohexane	7.58	83	307078	45.86 ug/L		95
40) 1,2-dichloropropane	7.64	63	170233	44.77 ug/L		99
41) dibromomethane	7.81	93	100893	47.43 ug/L		98
42) 1,4-dioxane	7.88	88	10184	554.39 ug/L	#	100
43) bromodichloromethane	8.08	83	247022	51.83 ug/L		99
44) 2-chloroethyl vinyl ether	8.56	63	81809	44.44 ug/L		99
45) cis-1,3-dichloropropene	8.71	75	254731	43.02 ug/L		89
46) 4-methyl-2-pentanone (MIBK	8.97	43	125782	50.06 ug/L		92
48) toluene	9.14	91	835736	45.58 ug/L		99
49) trans-1,3-dichloropropene	9.49	75	230751	44.37 ug/L		91
50) 1,1,2-trichloroethane	9.71	83	116680	46.34 ug/L		99
52) tetrachloroethene	9.86	166	263243	44.84 ug/L		99
53) 1,3-dichloropropane	9.92	76	267458	44.03 ug/L		99
54) 2-hexanone (MBK)	10.09	43	87061	42.14 ug/L		93
55) dibromochloromethane	10.20	129	176136	42.63 ug/L		100
56) 1,2-dibromoethane	10.32	109	138930	43.91 ug/L		99
57) chlorobenzene	10.97	112	537027	41.35 ug/L		97
58) 1-chlorohexane	11.00	55	190906	48.61 ug/L		84
59) 1,1,1,2-tetrachloroethane	11.10	131	191485	48.26 ug/L		97
60) ethylbenzene	11.14	91	943826	44.27 ug/L		98
61) m+p-xylene	11.30	106	740643	87.19 ug/L		95
62) o-xylene	11.79	106	343834	44.02 ug/L		95
63) styrene	11.81	104	595317	44.34 ug/L		94
64) bromoform	12.02	173	112746	43.87 ug/L		100
67) isopropylbenzene	12.27	105	823455	41.89 ug/L		99
68) bromobenzene	12.61	77	332783	40.94 ug/L		100
69) 1,1,2,2-tetrachloroethane	12.67	83	168531	40.80 ug/L	#	99
70) 1,2,3-trichloropropane	12.70	110	58291	42.96 ug/L		93
71) 1,4-dichloro-2-butene	12.74	53	48060	44.17 ug/L	#	73
72) n-propylbenzene	12.79	120	237412	41.52 ug/L		99
73) 2-chlorotoluene	12.87	126	207590	40.24 ug/L		97
74) 1,3,5-trimethylbenzene	13.02	105	692151	43.29 ug/L		98
75) 4-chlorotoluene	13.02	126	217324	41.02 ug/L		98
76) tert-butylbenzene	13.42	119	596603	43.18 ug/L		97
77) 1,2,4-trimethylbenzene	13.48	105	698093	43.67 ug/L		97
78) sec-butylbenzene	13.69	105	783554	42.45 ug/L		100
79) 1,3-dichlorobenzene	13.80	146	414693	42.12 ug/L		99
80) 4-isopropyltoluene	13.89	119	689880	43.21 ug/L		98
81) 1,4-dichlorobenzene	13.92	146	422349	41.47 ug/L		99
82) 1,2-dichlorobenzene	14.37	146	393534	42.63 ug/L		100
83) n-butylbenzene	14.40	91	522757	38.91 ug/L		99
84) hexachloroethane	14.69	201	86728	40.06 ug/L	#	93
85) 1,2-dibromo-3-chloropropan	15.35	157	32613	42.55 ug/L		95
86) 1,2,4-trichlorobenzene	16.37	180	228354	40.93 ug/L		100
87) hexachlorobutadiene	16.61	225	115277	46.17 ug/L		98
88) naphthalene	16.67	128	410972	39.57 ug/L		98
89) 1,2,3-trichlorobenzene	16.97	180	177354	42.52 ug/L		100
90) 2-methylnaphthalene	18.07	142	73782	37.80 ug/L		98

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

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 100P0416.D
Acq On : 16 Apr 2012 14:12
Operator : DLV
Sample : CAL6
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 17 07:59:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration



00823

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 100P0416.D
Acq On : 16 Apr 2012 14:12
Operator : DLV
Sample : CAL6
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 17 07:59:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.77	96	764204	40.00	ug/L	0.00 60.32%
51) Chlorobenzene-d5	10.94	117	648712	40.00	ug/L	0.00 65.02%
66) 1,4-Dichlorobenzene-d4	13.89	152	374689	40.00	ug/L	0.00 71.31%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	202216	44.58	ug/L	0.00
Spiked Amount 40.000			Recovery =	111.45%		
37) #1,2-Dichloroethane-d4	6.22	65	242518	52.05	ug/L	0.00
Spiked Amount 40.000			Recovery =	130.13%		
47) #Toluene-d8	9.06	98	822665	43.51	ug/L	0.00
Spiked Amount 40.000			Recovery =	108.78%		
65) #4-Bromofluorobenzene	12.45	95	332457	43.26	ug/L	0.00
Spiked Amount 40.000			Recovery =	108.15%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	387255	127.78	ug/L	99
3) chloromethane	1.40	50	477187	128.34	ug/L	98
4) vinyl chloride	1.45	62	573695	121.79	ug/L	100
5) bromomethane	1.71	94	318144	103.79	ug/L	100
6) chloroethane	1.79	64	359439	115.32	ug/L	99
7) dichlorofluoromethane	1.95	67	981004	130.83	ug/L	99
8) trichlorofluoromethane	2.00	101	973852	146.02	ug/L	95
9) ethyl ether	2.25	74	230388	114.16	ug/L	90
10) acrolein	2.37	56	53294	109.50	ug/L #	95
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	403453	110.58	ug/L	98
12) 1,1-dichloroethene	2.46	96	429665	107.85	ug/L #	83
13) acetone	2.52	43	117643	89.96	ug/L	89
14) iodomethane	2.61	142	744101	103.79	ug/L	91
15) carbon disulfide	2.67	76	1189595	109.44	ug/L	100
16) methyl acetate	2.86	43	242659	124.73	ug/L	94
17) methylene chloride	2.96	49	551455	111.86	ug/L	90
18) acrylonitrile	3.26	53	137319	108.38	ug/L	97
19) trans-1,2-dichloroethene	3.28	96	462152	108.58	ug/L	92
20) methyl (tert) butyl ether	3.29	73	1110864	131.48	ug/L	100
21) 1,1-dichloroethane	3.84	63	827607	117.44	ug/L	100
22) vinyl acetate	3.94	43	807756	133.79	ug/L	94
23) 2,2-dichloropropane	4.75	77	591260	120.51	ug/L	94
24) cis-1,2-dichloroethene	4.78	96	495617	111.70	ug/L	91
25) 2-butanone (MEK)	4.83	43	143277	130.12	ug/L	91
26) bromochloromethane	5.21	49	356757	120.31	ug/L	92
27) tetrahydrofuran	5.30	71	36523	106.42	ug/L	83
28) chloroform	5.40	83	860435	123.96	ug/L	99
30) 1,1,1-trichloroethane	5.66	97	821238	139.44	ug/L	98
31) cyclohexane	5.74	56	774740	120.22	ug/L	95
32) carbon tetrachloride	5.94	117	762734	146.95	ug/L	99
33) 1,1-dichloropropene	5.96	75	723242	125.30	ug/L	97
34) benzene	6.29	78	1923725	111.02	ug/L	93
35) 1,2-dichloroethane	6.34	62	696516	139.73	ug/L	94
36) heptane	6.77	57	25301	No Calib	#	

00824

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 100P0416.D
Acq On : 16 Apr 2012 14:12
Operator : DLV
Sample : CAL6
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 17 07:59:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	565217	115.90	ug/L		100
39) methylcyclohexane	7.58	83	806932	117.56	ug/L		96
40) 1,2-dichloropropane	7.64	63	447181	114.73	ug/L		100
41) dibromomethane	7.81	93	261624	119.99	ug/L		99
42) 1,4-dioxane	7.88	88	22111	1174.22	ug/L	#	100
43) bromodichloromethane	8.08	83	652568	133.57	ug/L		100
44) 2-chloroethyl vinyl ether	8.56	63	225016	113.29	ug/L		99
45) cis-1,3-dichloropropene	8.71	75	695319	109.44	ug/L		89
46) 4-methyl-2-pentanone (MIBK	8.97	43	361694	130.27	ug/L		93
48) toluene	9.14	91	2167147	115.30	ug/L		100
49) trans-1,3-dichloropropene	9.49	75	658350	116.04	ug/L		91
50) 1,1,2-trichloroethane	9.71	83	303739	117.67	ug/L		99
52) tetrachloroethene	9.86	166	669168	111.58	ug/L		100
53) 1,3-dichloropropane	9.92	76	698474	112.57	ug/L		100
54) 2-hexanone (MBK)	10.09	43	253080	109.69	ug/L		92
55) dibromochloromethane	10.20	129	480391	109.15	ug/L		100
56) 1,2-dibromoethane	10.32	109	371072	114.80	ug/L		99
57) chlorobenzene	10.97	112	1394517	105.12	ug/L		97
58) 1-chlorohexane	11.00	55	496684	123.80	ug/L		87
59) 1,1,1,2-tetrachloroethane	11.09	131	509219	125.64	ug/L		97
60) ethylbenzene	11.14	91	2479386	113.83	ug/L		97
61) m+p-xylene	11.30	106	1908406	219.92	ug/L		94
62) o-xylene	11.79	106	894538	112.12	ug/L		94
63) styrene	11.81	104	1535668	111.96	ug/L		92
64) bromoform	12.02	173	316156	114.05	ug/L		100
67) isopropylbenzene	12.27	105	2174853	107.56	ug/L		99
68) bromobenzene	12.61	77	858397	102.68	ug/L		100
69) 1,1,2,2-tetrachloroethane	12.67	83	448624	105.59	ug/L	#	99
70) 1,2,3-trichloropropane	12.70	110	158311	113.43	ug/L		94
71) 1,4-dichloro-2-butene	12.74	53	140018	113.65	ug/L	#	85
72) n-propylbenzene	12.79	120	619217	105.29	ug/L		98
73) 2-chlorotoluene	12.87	126	545793	102.87	ug/L		99
74) 1,3,5-trimethylbenzene	13.02	105	1799665	109.44	ug/L		98
75) 4-chlorotoluene	13.01	126	559035	102.60	ug/L		98
76) tert-butylbenzene	13.42	119	1577127	110.97	ug/L		98
77) 1,2,4-trimethylbenzene	13.48	105	1818078	110.58	ug/L		98
78) sec-butylbenzene	13.69	105	2065283	108.77	ug/L		100
79) 1,3-dichlorobenzene	13.80	146	1068639	105.52	ug/L		100
80) 4-isopropyltoluene	13.89	119	1821369	110.93	ug/L		98
81) 1,4-dichlorobenzene	13.92	146	1076720	102.78	ug/L		100
82) 1,2-dichlorobenzene	14.37	146	1023071	107.76	ug/L		100
83) n-butylbenzene	14.40	91	1402631	97.67	ug/L		99
84) hexachloroethane	14.68	201	246969	103.15	ug/L		97
85) 1,2-dibromo-3-chloropropan	15.35	157	91754	105.66	ug/L		95
86) 1,2,4-trichlorobenzene	16.37	180	624060	103.85	ug/L		100
87) hexachlorobutadiene	16.61	225	308520	120.14	ug/L		100
88) naphthalene	16.67	128	1176460	102.49	ug/L		98
89) 1,2,3-trichlorobenzene	16.97	180	485792	107.88	ug/L		99
90) 2-methylnaphthalene	18.08	142	243250	101.63	ug/L		98

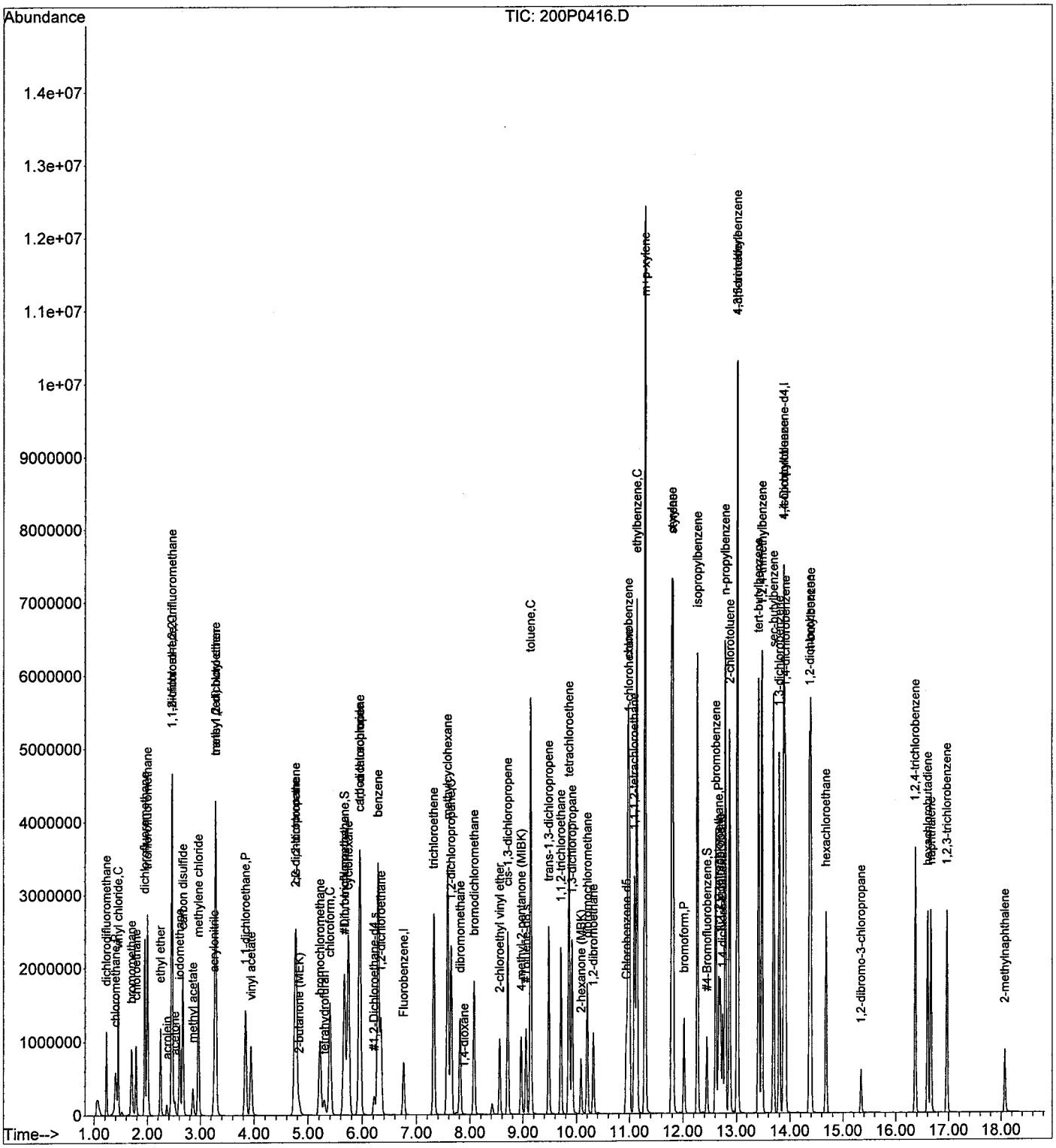
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00825

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 200P0416.D
Acq On : 16 Apr 2012 15:35
Operator : DLV
Sample : CAL7
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 17 07:59:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration



00826

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 200P0416.D
Acq On : 16 Apr 2012 15:35
Operator : DLV
Sample : CAL7
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 17 07:59:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	769901	40.00	ug/L	0.00 60.77%
51) Chlorobenzene-d5	10.94	117	670967	40.00	ug/L	0.00 67.25%
66) 1,4-Dichlorobenzene-d4	13.89	152	375522	40.00	ug/L	0.00 71.47%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	208712	45.67	ug/L	0.00
Spiked Amount 40.000			Recovery =	114.18%		
37) #1,2-Dichloroethane-d4	6.22	65	245493	52.30	ug/L	0.00
Spiked Amount 40.000			Recovery =	130.75%		
47) #Toluene-d8	9.06	98	844340	44.32	ug/L	0.00
Spiked Amount 40.000			Recovery =	110.80%		
65) #4-Bromofluorobenzene	12.45	95	338389	42.57	ug/L	0.00
Spiked Amount 40.000			Recovery =	106.43%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	734421	240.54	ug/L	99
3) chloromethane	1.40	50	911806	243.41	ug/L	99
4) vinyl chloride	1.45	62	1102225	232.26	ug/L	100
5) bromomethane	1.70	94	667569	214.62	ug/L	100
6) chloroethane	1.79	64	703238	223.95	ug/L	99
7) dichlorofluoromethane	1.95	67	1938524	256.61	ug/L	99
8) trichlorofluoromethane	2.00	101	1933865	287.82	ug/L	95
9) ethyl ether	2.25	74	421324	207.23	ug/L	89
10) acrolein	2.37	56	111151	226.69	ug/L	94
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	816412	222.10	ug/L	98
12) 1,1-dichloroethene	2.46	96	872848	217.48	ug/L #	83
13) acetone	2.52	43	221577	166.51	ug/L	88
14) iodomethane	2.61	142	1447642	198.63	ug/L	91
15) carbon disulfide	2.67	76	2456778	224.35	ug/L	100
16) methyl acetate	2.86	43	493659	251.87	ug/L	94
17) methylene chloride	2.96	49	1127714	227.11	ug/L	89
18) acrylonitrile	3.25	53	277944	215.00	ug/L	98
19) trans-1,2-dichloroethene	3.29	96	939165	219.02	ug/L	92
20) methyl (tert) butyl ether	3.29	73	2264623	266.05	ug/L	99
21) 1,1-dichloroethane	3.84	63	1683315	237.11	ug/L	100
22) vinyl acetate	3.94	43	1717739	277.84	ug/L	95
23) 2,2-dichloropropane	4.76	77	1320080	263.72	ug/L	94
24) cis-1,2-dichloroethene	4.78	96	1013849	226.81	ug/L	90
25) 2-butanone (MEK)	4.84	43	289171	260.68	ug/L	95
26) bromochloromethane	5.22	49	698135	233.70	ug/L	93
27) tetrahydrofuran	5.30	71	74932	210.81	ug/L #	79
28) chloroform	5.40	83	1762756	252.07	ug/L	99
30) 1,1,1-trichloroethane	5.67	97	1683440	283.72	ug/L	98
31) cyclohexane	5.74	56	1586080	244.30	ug/L	97
32) carbon tetrachloride	5.94	117	1553174	297.03	ug/L	99
33) 1,1-dichloropropene	5.96	75	1497751	257.55	ug/L	98
34) benzene	6.29	78	3916962	224.39	ug/L	92
35) 1,2-dichloroethane	6.35	62	1435976	285.95	ug/L	94
36) heptane	6.76	57	25955	No Calib	#	

00827

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : 200P0416.D
Acq On : 16 Apr 2012 15:35
Operator : DLV
Sample : CAL7
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 17 07:59:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B19.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 07:57:44 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.33	130	1146535	233.37	ug/L		99
39) methylcyclohexane	7.58	83	1673170	241.96	ug/L		95
40) 1,2-dichloropropane	7.64	63	928593	236.48	ug/L		100
41) dibromomethane	7.82	93	529985	241.26	ug/L		100
42) 1,4-dioxane	7.89	88	4540	239.32	ug/L	#	100
43) bromodichloromethane	8.08	83	1336976	271.64	ug/L		100
44) 2-chloroethyl vinyl ether	8.56	63	459299	225.90	ug/L		98
45) cis-1,3-dichloropropene	8.71	75	1491094	229.48	ug/L		89
46) 4-methyl-2-pentanone (MIBK	8.97	43	750417	262.33	ug/L		93
48) toluene	9.14	91	4483825	236.79	ug/L		99
49) trans-1,3-dichloropropene	9.49	75	1416698	243.10	ug/L		91
50) 1,1,2-trichloroethane	9.71	83	616840	237.19	ug/L		99
52) tetrachloroethene	9.86	166	1357093	218.78	ug/L		99
53) 1,3-dichloropropane	9.92	76	1434814	223.57	ug/L		99
54) 2-hexanone (MBK)	10.09	43	520266	212.54	ug/L		92
55) dibromochloromethane	10.20	129	1010232	219.03	ug/L		99
56) 1,2-dibromoethane	10.32	109	751144	224.67	ug/L		99
57) chlorobenzene	10.97	112	2875154	209.55	ug/L		97
58) 1-chlorohexane	11.00	55	1041071	250.88	ug/L		87
59) 1,1,1,2-tetrachloroethane	11.10	131	1053726	251.36	ug/L		98
60) ethylbenzene	11.14	91	5119398	227.25	ug/L		98
61) m+p-xylene	11.30	106	3926467	437.47	ug/L		93
62) o-xylene	11.80	106	1842318	223.26	ug/L		95
63) styrene	11.81	104	3166776	223.22	ug/L		92
64) bromoform	12.02	173	654183	224.51	ug/L		99
67) isopropylbenzene	12.27	105	4499220	222.03	ug/L		98
68) bromobenzene	12.61	77	1763522	210.48	ug/L		99
69) 1,1,2,2-tetrachloroethane	12.67	83	908523	213.35	ug/L	#	100
70) 1,2,3-trichloropropane	12.70	110	318094	227.41	ug/L		94
71) 1,4-dichloro-2-butene	12.74	53	306681	240.95	ug/L		88
72) n-propylbenzene	12.79	120	1285095	218.03	ug/L		97
73) 2-chlorotoluene	12.88	126	1097927	206.48	ug/L		94
74) 1,3,5-trimethylbenzene	13.02	105	3746370	227.31	ug/L		97
75) 4-chlorotoluene	13.02	126	1141955	209.13	ug/L		94
76) tert-butylbenzene	13.42	119	3257143	228.67	ug/L		97
77) 1,2,4-trimethylbenzene	13.48	105	3785169	229.71	ug/L		97
78) sec-butylbenzene	13.70	105	4341859	228.17	ug/L		100
79) 1,3-dichlorobenzene	13.80	146	2188428	215.61	ug/L		99
80) 4-isopropyltoluene	13.89	119	3833634	232.96	ug/L		98
81) 1,4-dichlorobenzene	13.92	146	2208755	210.37	ug/L		100
82) 1,2-dichlorobenzene	14.37	146	2079363	218.54	ug/L		99
83) n-butylbenzene	14.40	91	2998724	205.64	ug/L		99
84) hexachloroethane	14.69	201	532828	216.99	ug/L		99
85) 1,2-dibromo-3-chloropropan	15.35	157	193714	215.73	ug/L		96
86) 1,2,4-trichlorobenzene	16.37	180	1318841	215.69	ug/L		100
87) hexachlorobutadiene	16.61	225	649971	252.55	ug/L		100
88) naphthalene	16.67	128	2430574	206.72	ug/L		98
89) 1,2,3-trichlorobenzene	16.97	180	991336	216.31	ug/L		99
90) 2-methylnaphthalene	18.07	142	491860	196.04	ug/L		98

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

INITIAL CALIBRATION DATA
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2D20002

SDG: KNM040512
Project: KNM
Calibration Date: 04/19/12 00:00
Instrument: 323

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	~~0.2207319~~	5	0.1038048	10	9.142551E-02	20	8.022795E-02	40	7.625707E-02	100	6.566141E-02
Benzene	1	0.9742077	5	1.050785	10	1.008369	20	1.01393	40	1.007552	100	0.9844238
Bromodichloromethane	1	0.2774915	5	0.2870233	10	0.2855632	20	0.2848807	40	0.2895641	100	0.294748
Bromoform	1	0.1590678	5	0.1780371	10	0.1812526	20	0.1881281	40	0.1972512	100	0.2068387
Bromomethane	1	5.175054E-02	5	5.359198E-02	10	4.914498E-02	20	6.137197E-02	40	0.0614892	100	~~3.729033E-02~~
Carbon Disulfide	1	0.8646716	5	0.7737106	10	0.7148645	20	0.6993959	40	0.6694372	100	0.6070536
Carbon Tetrachloride	1	0.3044078	5	0.321972	10	0.3108596	20	0.3232589	40	0.3243487	100	0.3248856
Chlorobenzene	1	0.9851554	5	0.976368	10	0.9368376	20	0.9405241	40	0.9354131	100	0.9285992
Chloroethane	1	0.1503331	5	0.1544438	10	0.1427875	20	0.1328425	40	0.1254668	100	0.1013253
Chloroform	1	0.4366056	5	0.4348001	10	0.4097287	20	0.4077784	40	0.4053361	100	0.3943551
Chloromethane	1	0.2449023	5	0.2405855	10	0.2275796	20	0.2170385	40	0.2126684	100	0.196349
Cyclohexane	1	0.3271902	5	0.3846543	10	0.3887054	20	0.411619	40	0.4079558	100	0.403352
1,2-Dibromo-3-chloropropane	1	7.519512E-02	5	8.355851E-02	10	8.790124E-02	20	9.761447E-02	40	0.1055498	100	0.1174357
Dibromochloromethane	1	0.2409641	5	0.2642424	10	0.2751543	20	0.2813644	40	0.2931141	100	0.3007098
1,2-Dibromoethane	1	0.1938287	5	0.2114635	10	0.2190078	20	0.2228891	40	0.2297685	100	0.2318173
1,2-Dichlorobenzene	1	1.041611	5	1.121442	10	1.137324	20	1.170152	40	1.186543	100	1.219017
1,3-Dichlorobenzene	1	1.241152	5	1.316744	10	1.278524	20	1.292163	40	1.29803	100	1.324092
1,4-Dichlorobenzene	1	1.416722	5	1.34676	10	1.32014	20	1.319028	40	1.333785	100	1.307268
Dichlorodifluoromethane	1	0.2576966	5	0.2533289	10	0.2415366	20	0.2417512	40	0.236437	100	0.2299575
1,1-Dichloroethane	1	0.3938473	5	0.4267875	10	0.4092636	20	0.4072015	40	0.4069299	100	0.3973776
1,2-Dichloroethane	1	~~0.2735386~~	5	~~0.2752114~~	10	~~0.2695092~~	20	~~0.2567886~~	40	~~0.2571594~~	100	~~0.2473613~~
1,1-Dichloroethene	1	0.2330736	5	0.2326642	10	0.2226192	20	0.2204618	40	0.2076879	100	0.1848119
cis-1,2-Dichloroethene	1	0.2598088	5	0.280198	10	0.2755079	20	0.2820431	40	0.2821609	100	0.2776871
trans-1,2-Dichloroethene	1	0.2735989	5	0.2842835	10	0.2501998	20	0.2688946	40	0.2702846	100	0.2553178
1,2-Dichloropropane	1	0.2158737	5	0.2160971	10	0.2126048	20	0.2160384	40	0.2230967	100	0.222821
cis-1,3-Dichloropropene	1	0.2259824	5	0.2813427	10	0.2961041	20	0.3225868	40	0.3438003	100	0.3614341
trans-1,3-Dichloropropene	1	0.1580881	5	0.1969667	10	0.2170329	20	0.2412637	40	0.2637825	100	0.2828532
Ethylbenzene	1	1.289829	5	1.501805	10	1.471575	20	1.520003	40	1.51817	100	1.505333
2-Hexanone	1	~~7.383415E-02~~	5	9.067474E-02	10	0.1181257	20	0.1342974	40	0.1480629	100	0.1507517
Isopropylbenzene	1	1.388027	5	1.905871	10	1.968901	20	2.112418	40	2.146701	100	2.192155
Methyl Acetate	1	0.1807799	5	0.1058688	10	9.464861E-02	20	9.488313E-02	40	8.978038E-02	100	8.173108E-02

INITIAL CALIBRATION DATA
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2D20002

SDG: KNM040512
Project: KNM
Calibration Date: 04/19/12 00:00
Instrument: 323

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	0.4258029	5	0.4487613	10	0.4325273	20	0.4604164	40	0.4664024	100	0.4629125
Methylcyclohexane	1	0.3442392	5	0.4042718	10	0.4187253	20	0.457447	40	0.4601482	100	0.4685807
Methylene Chloride	1	0.3509682	5	0.2630707	10	0.2432856	20	0.2330876	40	0.2207723	100	0.2010058
2-Butanone (MEK)	1	0.1094456	5	8.616606E-02	10	8.891021E-02	20	8.987556E-02	40	8.979715E-02	100	8.768843E-02
4-Methyl-2-pentanone (MIBK)	1	~~0.1990057~~	5	0.1088583	10	0.1068976	20	0.1120011	40	0.1224009	100	0.1301258
Styrene	1	0.6807442	5	0.9697811	10	0.9858942	20	1.024917	40	1.036609	100	1.045823
1,1,2,2-Tetrachloroethane	1	0.4772729	5	0.4650802	10	0.4644749	20	0.4682865	40	0.467351	100	0.4791754
Tetrachloroethene	1	0.3790328	5	0.3920264	10	0.3802444	20	0.3877904	40	0.3935775	100	0.3977115
Toluene	1	1.129188	5	1.131861	10	1.077025	20	1.087184	40	1.089345	100	1.064977
1,2,4-Trichlorobenzene	1	0.5841595	5	0.6494001	10	0.6924817	20	0.7496897	40	0.8028299	100	0.8557024
1,1,1-Trichloroethane	1	0.3229354	5	0.3320182	10	0.3181628	20	0.3302285	40	0.3353916	100	0.3413562
1,1,2-Trichloroethane	1	0.1509969	5	0.1585658	10	0.1542263	20	0.1592787	40	0.1608995	100	0.1609381
Trichloroethene	1	0.2668698	5	0.2742129	10	0.2709832	20	0.2757895	40	0.2845953	100	0.2863138
Trichlorofluoromethane	1	0.388114	5	0.3803192	10	0.3585744	20	0.3537318	40	0.3412047	100	0.3179718
1,1,2-Trichloro-1,2,2-trifluoroe	1	0.2527177	5	0.2368714	10	0.2259388	20	0.2350262	40	0.2228604	100	0.2008901
Vinyl Chloride	1	0.2972865	5	0.2901833	10	0.2775962	20	0.2737235	40	0.2658816	100	0.2491571
Xylene (Total)	3	0.473891	15	0.6063738	30	0.6063894	60	0.6223053	120	0.6238456	300	0.6076721
Dibromofluoromethane	40	0.2530036	40	0.2525915	40	0.2492653	40	0.2448788	40	0.2442193	40	0.2394031
1,2-Dichloroethane-d4	40	0.1343402	40	0.1337006	40	0.1311878	40	0.1300679	40	0.128459	40	0.1265675
Toluene-d8	40	0.9498857	40	0.960424	40	0.9645218	40	0.9741041	40	0.9777727	40	0.9742017
4-Bromofluorobenzene	40	0.5060977	40	0.5153723	40	0.5029014	40	0.5004148	40	0.4944642	40	0.486001

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D20002

SDG: KNM040512

Project: KNM

Calibration Date: 04/19/12 00:00

Instrument: 323

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	6.764358E-02										
Benzene	200	0.9962259										
Bromodichloromethane	200	0.2994405										
Bromoform	200	0.2140241										
Bromomethane	200	~~3.490894E-02~~										
Carbon Disulfide	200	0.5940969										
Carbon Tetrachloride	200	0.3313035										
Chlorobenzene	200	0.898513										
Chloroethane	200	~~7.975123E-02~~										
Chloroform	200	0.3947061										
Chloromethane	200	0.2010262										
Cyclohexane	200	0.4075696										
1,2-Dibromo-3-chloropropane	200	0.1243547										
Dibromochloromethane	200	0.3023084										
1,2-Dibromoethane	200	0.2342804										
1,2-Dichlorobenzene	200	1.196889										
1,3-Dichlorobenzene	200	1.287664										
1,4-Dichlorobenzene	200	1.131494										
Dichlorodifluoromethane	200	0.2252189										
1,1-Dichloroethane	200	0.3974046										
1,2-Dichloroethane	200	~~0.2466036~~										
1,1-Dichloroethene	200	0.1760133										
cis-1,2-Dichloroethene	200	0.2809905										
trans-1,2-Dichloroethene	200	0.2115591										
1,2-Dichloropropane	200	0.2265023										
cis-1,3-Dichloropropene	200	0.3694428										
trans-1,3-Dichloropropene	200	0.2949934										
Ethylbenzene	200	1.444406										
2-Hexanone	200	0.1552146										
Isopropylbenzene	200	2.166164										
Methyl Acetate	200	8.637375E-02										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D20002

SDG: KNM040512

Project: KNM

Calibration Date: 04/19/12 00:00

Instrument: 323

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	0.4323266										
Methylcyclohexane	200	0.4719224										
Methylene Chloride	200	0.1980422										
2-Butanone (MEK)	200	8.950387E-02										
4-Methyl-2-pentanone (MIBK)	200	0.1359521										
Styrene	200	0.9924963										
1,1,2,2-Tetrachloroethane	200	0.486181										
Tetrachloroethene	200	0.3957344										
Toluene	200	1.04839										
1,2,4-Trichlorobenzene	200	0.8556306										
1,1,1-Trichloroethane	200	0.3514221										
1,1,2-Trichloroethane	200	0.1636828										
Trichloroethene	200	0.2929512										
Trichlorofluoromethane	200	0.3331761										
1,1,2-Trichloro-1,2,2-trifluoroe	200	0.1897667										
Vinyl Chloride	200	0.2503669										
Xylene (Total)	600	0.5421229										
Dibromofluoromethane	40	0.2413784										
1,2-Dichloroethane-d4	40	0.1265297										
Toluene-d8	40	0.980612										
4-Bromofluorobenzene	40	0.4864265										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D20002

SDG: KNM040512

Project: KNM

Calibration Date: 04/19/12 00:00

Instrument: 323

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acetone	8.083672E-02	18.05727	1.84	1.078331E-02	0.99907		0.99	
Benzene	1.00507	2.45143	4.862857	0.1012788			15	
Bromodichloromethane	0.2883873	2.471734	6.98	1.893752E-02			15	
Bromoform	0.1892285	9.860782	11.02857	3.618691E-02			SPCC (0.1)	
Bromomethane	5.546973E-02	10.21526	1.23	2.074179E-02			15	
Carbon Disulfide	0.7033186	13.42392	1.91	9.25749E-03			15	
Carbon Tetrachloride	0.320148	2.884214	4.45	1.607653E-02			15	
Chlorobenzene	0.9430586	3.115259	9.958571	3.538224E-02			SPCC (0.3)	
Chloroethane	0.1345332	14.49751	1.288333	0.3172276			15	
Chloroform	0.4119014	4.208541	3.991429	9.514359E-02			CCC (30)	
Chloromethane	0.2200214	8.468934	1.01	1.385506E-02			SPCC (0.1)	
Cyclohexane	0.3901495	7.5832	4.23	0.1367357			15	
1,2-Dibromo-3-chloropropane	9.880136E-02	18.27252	14.32286	3.388225E-02	0.99895		0.99	
Dibromochloromethane	0.2796939	7.853997	9.2	1.999044E-02			15	
1,2-Dibromoethane	0.2204365	6.428361	9.294286	5.897275E-02			15	
1,2-Dichlorobenzene	1.153283	5.172632	13.34	2.164642E-02			15	
1,3-Dichlorobenzene	1.291196	2.111542	12.78	2.152018E-02			15	
1,4-Dichlorobenzene	1.310742	6.633421	12.89429	6.288522E-02			15	
Dichlorodifluoromethane	0.2408467	4.863555	0.89	1.793499E-02			15	
1,1-Dichloroethane	0.4055446	2.737535	2.792857	0.1740052			SPCC (0.1)	
1,2-Dichloroethane							15	
1,1-Dichloroethene	0.2110474	10.77363	1.77	1.581199E-02			CCC (30)	
cis-1,2-Dichloroethene	0.2769138	2.860243	3.494286	0.153637			15	
trans-1,2-Dichloroethene	0.2591626	9.211013	2.38	8.220071E-03			15	
1,2-Dichloropropane	0.2190049	2.324783	6.472857	0.0741126			CCC (30)	
cis-1,3-Dichloropropene	0.3143847	16.12442	7.661428	4.965188E-02	0.99982		0.99	
trans-1,3-Dichloropropene	0.2364258	20.74068	8.49	2.101991E-02	0.99949		0.99	
Ethylbenzene	1.464446	5.574322	10.13857	4.231101E-02			CCC (30)	
2-Hexanone	0.1328545	18.58957	9.13	1.191692E-02	0.99992		0.99	
Isopropylbenzene	1.982891	14.27874	11.27429	0.0473541			15	
Methyl Acetate	0.1048665	32.74021	2.088571	0.1814002	0.99901		0.99	
Methyl tert-Butyl Ether	0.4470213	3.750884	2.39	2.993325E-03			15	

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D20002

SDG: KNM040512

Project: KNM

Calibration Date: 04/19/12 00:00

Instrument: 323

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Methylcyclohexane	0.4321907	10.77782	6.338572	0.0600142			15	
Methylene Chloride	0.2443189	21.41504	2.157143	0.2259358	0.99963		0.99	
2-Butanone (MEK)	0.0916267	8.69852	3.581428	0.1061544			15	
4-Methyl-2-pentanone (MIBK)	0.1193726	10.05394	7.96	1.761732E-02			15	
Styrene	0.9623235	13.2274	10.82286	4.544063E-02			15	
1,1,2,2-Tetrachloroethane	0.472546	1.766756	11.72143	4.070277E-02			SPCC (0.3)	
Tetrachloroethene	0.3894453	1.896839	8.801429	4.069081E-02			15	
Toluene	1.08971	2.858479	8.08	1.385506E-02			CCC (30)	
1,2,4-Trichlorobenzene	0.7414134	14.09644	15.31857	0.0269934			15	
1,1,1-Trichloroethane	0.3330735	3.345448	4.191429	9.084387E-02			15	
1,1,2-Trichloroethane	0.1583697	2.747746	8.72	1.622184E-02			15	
Trichloroethene	0.2788165	3.351231	6.1	8.817192E-03			15	
Trichlorofluoromethane	0.3532989	7.094453	1.43	2.272325E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2234388	9.704009	1.77	1.581199E-02			15	
Vinyl Chloride	0.2720279	6.764325	1.05	2.460706E-02			CCC (30)	
Xylene (Total)	0.5832286	9.518376	10.78857	3.969237E-02			15	
Dibromofluoromethane	0.2463914	2.169166	4.252857	0.1148426			15	
1,2-Dichloroethane-d4	0.1301218	2.431102	4.82	1.954425E-02			15	
Toluene-d8	0.9687889	1.13347	7.99	1.225973E-02			15	
4-Bromofluorobenzene	0.4988111	2.139002	11.44286	4.612333E-02			15	

Response Factor Report 323

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 8260B-A159.M
Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
Last Update : Thu Apr 19 14:50:36 2012
Response Via : Initial Calibration

2D220002

Calibration Files
1 =1P0419.D 2 =5P0419.D 3 =10P0419.D
4 =20P0419.D 5 =40P0419.D 6 =100P0419.D
7 =200P0419.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Fluorobenzene	ISTD								
2)		dichlorodifluor	0.258	0.253	0.242	0.242	0.236	0.230	0.225	0.241	4.86
3)	P	chloromethane	0.245	0.241	0.228	0.217	0.213	0.196	0.201	0.220	8.47
4)	C	vinyl chloride	0.297	0.290	0.278	0.274	0.266	0.249	0.250	0.272	6.76#
5)		bromomethane	0.052	0.054	0.049	0.061	0.061			0.055	10.22
6)		chloroethane	0.150	0.154	0.143	0.133	0.125	0.101		0.135	14.50
7)		dichlorofluorom	0.455	0.450	0.422	0.413	0.398	0.361	0.349	0.407	10.02
8)		trichlorofluoro	0.388	0.380	0.359	0.354	0.341	0.318	0.333	0.353	7.09
9)		ethyl ether	0.136	0.126	0.131	0.128	0.126	0.117	0.116	0.126	5.58
10)		acrolein	0.020	0.019	0.018	0.019	0.018	0.019	0.019	0.019	3.18
11)		1,1,2-trichloro	0.253	0.237	0.226	0.235	0.223	0.201	0.190	0.223	9.70
12)	C	1,1-dichloroeth	0.233	0.233	0.223	0.220	0.208	0.185	0.176	0.211	10.77#
13)		acetone		0.104	0.091	0.080	0.076	0.066	0.068	-----	
								L M= 0.066 R=0.999			
								B= 0.006			
14)		iodomethane	0.041	0.080	0.122	0.184	0.242	0.276	0.275	-----	
								L M= 0.282 R=0.999			
								B= -0.029			
15)		carbon disulfid	0.865	0.774	0.715	0.699	0.669	0.607	0.594	0.703	13.42
16)		methyl acetate	0.181	0.106	0.095	0.095	0.090	0.082	0.086	-----	
								L M= 0.085 R=0.999			
								B= 0.002			
17)		methylene chlor	0.351	0.263	0.243	0.233	0.221	0.201	0.198	-----	
								L M= 0.196 R=1.000			
								B= 0.013			
18)		acrylonitrile	0.062	0.071	0.066	0.071	0.072	0.068	0.057	0.067	8.15
19)		trans-1,2-dichl	0.274	0.284	0.250	0.269	0.270	0.255	0.212	0.259	9.21
20)		methyl (tert) b	0.426	0.449	0.433	0.460	0.466	0.463	0.432	0.447	3.75
21)	P	1,1-dichloroeth	0.394	0.427	0.409	0.407	0.407	0.397	0.397	0.406	2.74
22)		vinyl acetate	0.256	0.266	0.277	0.299	0.309	0.325	0.323	0.294	9.45
23)		2,2-dichloropro	0.206	0.224	0.222	0.234	0.243	0.253	0.258	0.234	7.85
24)		cis-1,2-dichlor	0.260	0.280	0.276	0.282	0.282	0.278	0.281	0.277	2.86
25)		2-butanone (MEK	0.109	0.086	0.089	0.090	0.090	0.088	0.090	0.092	8.70
26)		bromochlorometh	0.191	0.185	0.180	0.176	0.172	0.164	0.156	0.175	6.91
27)		tetrahydrofuran	0.011	0.015	0.016	0.018	0.018	0.019	0.020	-----	
								L M= 0.020 R=1.000			
								B= -0.001			
28)	C	chloroform	0.437	0.435	0.410	0.408	0.405	0.394	0.395	0.412	4.21#
29)		1,1,1-trichloro	0.323	0.332	0.318	0.330	0.335	0.341	0.351	0.333	3.35
30)	S	#Dibromofluorom	0.253	0.253	0.249	0.245	0.244	0.239	0.241	0.246	2.17
31)		cyclohexane	0.327	0.385	0.389	0.412	0.408	0.403	0.408	0.390	7.58
32)		carbon tetrachl	0.304	0.322	0.311	0.323	0.324	0.325	0.331	0.320	2.88
33)		1,1-dichloropro	0.278	0.312	0.310	0.327	0.330	0.327	0.332	0.317	6.03
34)		benzene	0.974	1.051	1.008	1.014	1.008	0.984	0.996	1.005	2.45
35)		1,2-dichloroeth	0.274	0.275	0.270	0.257	0.257	0.247	0.247	0.261	4.58
36)		heptane								0.000	-1.00
37)	S	#1,2-Dichloroet	0.134	0.134	0.131	0.130	0.128	0.127	0.127	0.130	2.43
38)		trichloroethene	0.267	0.274	0.271	0.276	0.285	0.286	0.293	0.279	3.35
39)		methylcyclohexa	0.344	0.404	0.419	0.457	0.460	0.469	0.472	0.432	10.78
40)	C	1,2-dichloropro	0.216	0.216	0.213	0.216	0.223	0.223	0.227	0.219	2.32#
41)		dibromomethane	0.134	0.130	0.127	0.126	0.126	0.124	0.127	0.128	2.47
42)		bromodichlorome	0.277	0.287	0.286	0.285	0.290	0.295	0.299	0.288	2.47
43)		2-chloroehtyl v	0.053	0.067	0.078	0.094	0.104	0.113	0.117	-----	
								L M= 0.119 R=1.000			
								B= -0.009			

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Response Factor Report 323

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 8260B-A159.M
Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
Last Update : Thu Apr 19 14:50:36 2012
Response Via : Initial Calibration

44)		cis-1,3-dichlor	0.226	0.281	0.296	0.323	0.344	0.361	0.369	-----	
								L	M= 0.372	R=1.000	
									B= -0.018		
45)		4-methyl-2-pent		0.109	0.107	0.112	0.122	0.130	0.136	0.119	10.05
46)	s	#Toluene-d8	0.950	0.960	0.965	0.974	0.978	0.974	0.981	0.969	1.13
47)	C	toluene	1.129	1.132	1.077	1.087	1.089	1.065	1.048	1.090	2.86#
48)		trans-1,3-dichl	0.158	0.197	0.217	0.241	0.264	0.283	0.295	-----	
								L	M= 0.297	R=0.999	
									B= -0.020		
49)		1,1,2-trichloro	0.151	0.159	0.154	0.159	0.161	0.161	0.164	0.158	2.75
50)		Chlorobenzene-d5		----------ISTD----------							
51)		tetrachloroethe	0.379	0.392	0.380	0.388	0.394	0.398	0.396	0.389	1.90
52)		1,3-dichloropro	0.385	0.411	0.419	0.424	0.430	0.428	0.426	0.418	3.79
53)		2-hexanone (MBK		0.091	0.118	0.134	0.148	0.151	0.155	-----	
								L	M= 0.157	R=1.000	
									B= -0.010		
54)		dibromochlorome	0.241	0.264	0.275	0.281	0.293	0.301	0.302	0.280	7.85
55)		1,2-dibromoetha	0.194	0.211	0.219	0.223	0.230	0.232	0.234	0.220	6.43
56)	P	chlorobenzene	0.985	0.976	0.937	0.941	0.935	0.929	0.899	0.943	3.12
57)		1-chlorohexane	0.250	0.271	0.266	0.274	0.271	0.267	0.263	0.266	3.02
58)		1,1,1,2-tetrach	0.269	0.286	0.284	0.302	0.310	0.322	0.322	0.299	6.79
59)	C	ethylbenzene	1.290	1.502	1.472	1.520	1.518	1.505	1.444	1.464	5.57#
60)		m+p-xylene	0.510	0.632	0.623	0.635	0.632	0.606	0.520	0.594	9.23
61)		o-xylene	0.403	0.555	0.574	0.598	0.608	0.612	0.585	0.562	13.00
62)		styrene	0.681	0.970	0.986	1.025	1.037	1.046	0.992	0.962	13.23
63)	P	bromoform	0.159	0.178	0.181	0.188	0.197	0.207	0.214	0.189	9.86
64)	S	#4-Bromofluorob	0.506	0.515	0.503	0.500	0.494	0.486	0.486	0.499	2.14
65)		1,4-Dichlorobenzene-d		----------ISTD----------							
66)		isopropylbenzen	1.388	1.906	1.969	2.112	2.147	2.192	2.166	1.983	14.28
67)		bromobenzene	0.861	0.884	0.868	0.887	0.894	0.916	0.934	0.892	2.89
68)	P	1,1,2,2-tetrach	0.477	0.465	0.464	0.468	0.467	0.479	0.486	0.473	1.77
69)		1,2,3-trichloro	0.133	0.135	0.143	0.145	0.146	0.150	0.156	0.144	5.54
70)		1,4-dichloro-2-	0.086	0.112	0.117	0.122	0.126	0.129	0.130	0.117	13.18
71)		n-propylbenzene	0.536	0.705	0.701	0.737	0.736	0.757	0.737	0.701	10.79
72)		2-chlorotoluene	0.576	0.649	0.619	0.630	0.622	0.641	0.643	0.626	3.91
73)		1,3,5-trimethyl	1.555	2.069	2.053	2.107	2.104	2.163	2.087	2.020	10.30
74)		4-chlorotoluene	1.612	1.896	1.896	1.936	1.933	1.989	1.970	1.890	6.74
75)		tert-butylbenze	1.257	1.714	1.757	1.863	1.879	1.923	1.875	1.753	13.16
76)		1,2,4-trimethyl	1.458	2.002	2.031	2.105	2.120	2.171	2.083	1.996	12.20
77)		sec-butylbenzen	1.986	2.633	2.660	2.782	2.763	2.819	2.667	2.616	10.94
78)		1,3-dichloroben	1.241	1.317	1.279	1.292	1.298	1.324	1.288	1.291	2.11
79)		4-isopropyltolu	1.969	2.227	2.189	2.301	2.334	2.314	2.020	2.194	6.65
80)		1,4-dichloroben	1.417	1.347	1.320	1.319	1.334	1.307	1.131	1.311	6.63
81)		1,2-dichloroben	1.042	1.121	1.137	1.170	1.187	1.219	1.197	1.153	5.17
82)		n-butylbenzene	1.407	1.974	2.019	2.123	2.128	2.172	2.050	1.982	13.26
83)		hexachloroethan	0.327	0.352	0.346	0.372	0.384	0.419	0.434	0.376	10.40
84)		1,2-dibromo-3-c	0.075	0.084	0.088	0.098	0.106	0.117	0.124	-----	
								L	M= 0.125	R=0.999	
									B= -0.010		
85)		1,2,4-trichloro	0.584	0.649	0.692	0.750	0.803	0.856	0.856	0.741	14.10
86)		hexachlorobutad	0.429	0.454	0.439	0.463	0.472	0.513	0.523	0.470	7.55
87)		naphthalene		1.004	1.222	1.385	1.483	1.565	1.600	-----	
								L	M= 1.618	R=1.000	
									B= -0.109		
88)		1,2,3-trichloro	0.584	0.649	0.692	0.750	0.803	0.856	0.856	0.741	14.10
89)		2-methylnaphtha		0.313	0.440	0.565	0.667	0.741	0.757	-----	
								L	M= 0.773	R=1.000	
									B= -0.086		

Total Average %RSD 6.98

Response Factor Report 323

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 8260B-A159.M
Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
Last Update : Thu Apr 19 14:50:36 2012
Response Via : Initial Calibration

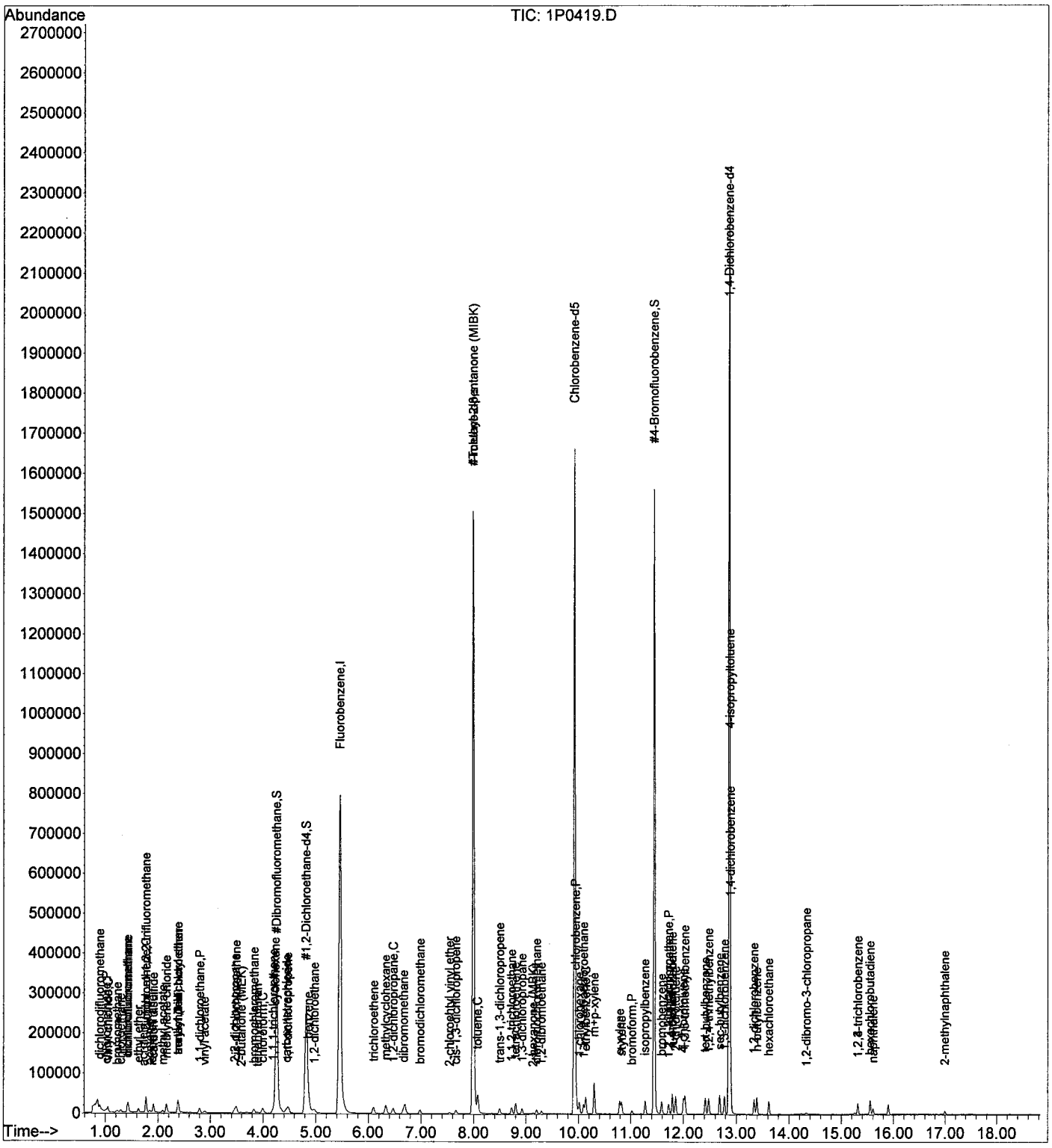
L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

8260B-A159.M Thu Apr 19 14:51:11 2012

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 1P0419.D
InstName : 323
Acq On : 19 Apr 2012 11:02 am
Operator : LEW
Sample : 1P0419
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 11:38:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 1P0419.D
InstName : 323
Acq On : 19 Apr 2012 11:02 am
Operator : LEW
Sample : 1P0419
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 11:38:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.46	96	1325590	40.00	ug/L	0.00 88.63%
50) Chlorobenzene-d5	9.92	117	1066715	40.00	ug/L	0.00 95.47%
65) 1,4-Dichlorobenzene-d4	12.86	152	694194	40.00	ug/L	0.00 97.56%
System Monitoring Compounds						
30) #Dibromofluoromethane	4.26	111	335379	43.28	ug/L	0.00
Spiked Amount 40.000			Recovery =	108.20%		
37) #1,2-Dichloroethane-d4	4.82	67	178080	40.58	ug/L	-0.01
Spiked Amount 40.000			Recovery =	101.45%		
46) #Toluene-d8	7.99	98	1259159	41.89	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.72%		
64) #4-Bromofluorobenzene	11.44	95	539862	41.21	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.03%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.89	85	8540	1.18	ug/L	100
3) chloromethane	1.01	50	8116	1.16	ug/L	97
4) vinyl chloride	1.05	62	9852	1.12	ug/L	90
5) bromomethane	1.23	94	1715	0.87	ug/L	87
6) chloroethane	1.29	64	4982	1.41	ug/L	99
7) dichlorofluoromethane	1.41	67	15075	1.18	ug/L	99
8) trichlorofluoromethane	1.43	101	12862	1.10	ug/L	97
9) ethyl ether	1.62	74	4500	1.03	ug/L	96
10) acrolein	1.72	56	659	3.07	ug/L #	68
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	8375	1.15	ug/L	92
12) 1,1-dichloroethene	1.77	96	7724	1.11	ug/L #	80
13) acetone	1.84	43	7315	3.69	ug/L	86
14) iodomethane	1.88	142	1346	2.03	ug/L #	80
15) carbon disulfide	1.91	76	28655	1.20	ug/L	100
16) methyl acetate	2.08	43	5991	1.19	ug/L	93
17) methylene chloride	2.16	49	11631	1.50	ug/L	92
18) acrylonitrile	2.39	53	2061	0.87	ug/L	92
19) trans-1,2-dichloroethene	2.38	96	9067	1.12	ug/L	90
20) methyl (tert) butyl ether	2.39	73	14111	0.91	ug/L	97
21) 1,1-dichloroethane	2.80	63	13052	1.01	ug/L	98
22) vinyl acetate	2.89	43	8477	0.87	ug/L	94
23) 2,2-dichloropropane	3.46	77	6829	0.85	ug/L	98
24) cis-1,2-dichloroethene	3.50	96	8610	0.95	ug/L	94
25) 2-butanone (MEK)	3.59	43	3627	1.36	ug/L	98
26) bromochloromethane	3.83	49	6333	1.15	ug/L #	78
27) tetrahydrofuran	3.90	71	379	2.79	ug/L #	58
28) chloroform	3.99	83	14469	1.10	ug/L	98
29) 1,1,1-trichloroethane	4.19	97	10702	0.99	ug/L	90
31) cyclohexane	4.22	56	10843	0.88	ug/L	91
32) carbon tetrachloride	4.45	117	10088	0.95	ug/L	99
33) 1,1-dichloropropene	4.47	75	9209	0.89	ug/L	98
34) benzene	4.87	78	32285	1.00	ug/L #	66
35) 1,2-dichloroethane	4.98	62	9065	1.04	ug/L	96
36) heptane	4.24	57	256	No Calib	#	

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Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 1P0419.D
InstName : 323
Acq On : 19 Apr 2012 11:02 am
Operator : LEW
Sample : 1P0419
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 11:38:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	8844	0.94	ug/L		98
39) methylcyclohexane	6.33	83	11408	0.79	ug/L		95
40) 1,2-dichloropropane	6.47	63	7154	1.03	ug/L		85
41) dibromomethane	6.67	93	4425	1.00	ug/L		88
42) bromodichloromethane	6.98	83	9196	0.98	ug/L		95
43) 2-chloroehtyl vinyl ether	7.54	63	1753	3.61	ug/L		94
44) cis-1,3-dichloropropene	7.66	75	7489	2.63	ug/L		90
45) 4-methyl-2-pentanone (MIBK	7.98	43	6595	1.37	ug/L	#	1
47) toluene	8.08	91	37421	1.07	ug/L		97
48) trans-1,3-dichloropropene	8.49	75	5239	3.19	ug/L	#	4
49) 1,1,2-trichloroethane	8.72	83	5004	0.92	ug/L		98
51) tetrachloroethene	8.80	166	10108	0.88	ug/L		98
52) 1,3-dichloropropane	8.92	76	10255	0.82	ug/L		97
53) 2-hexanone (MBK)	9.13	43	1969	0.50	ug/L		85
54) dibromochloromethane	9.20	129	6426	0.76	ug/L		93
55) 1,2-dibromoethane	9.30	109	5169	0.74	ug/L	#	97
56) chlorobenzene	9.95	112	26272	0.98	ug/L		97
57) 1-chlorohexane	10.02	55	6658	0.90	ug/L		89
58) 1,1,1,2-tetrachloroethane	10.10	131	7172	0.82	ug/L	#	90
59) ethylbenzene	10.14	91	34397	0.83	ug/L		98
60) m+p-xylene	10.30	106	27177	1.61	ug/L		88
61) o-xylene	10.79	106	10736	0.66	ug/L		88
62) styrene	10.83	104	18154	0.08	ug/L		84
63) bromoform	11.02	173	4242	0.68	ug/L		97
66) isopropylbenzene	11.28	105	24089	1.27	ug/L		99
67) bromobenzene	11.59	77	14944	0.91	ug/L		93
68) 1,1,2,2-tetrachloroethane	11.72	83	8283	0.86	ug/L	#	97
69) 1,2,3-trichloropropane	11.73	110	2313	0.74	ug/L	#	86
70) 1,4-dichloro-2-butene	11.79	53	1485	0.58	ug/L		91
71) n-propylbenzene	11.79	120	9296	0.71	ug/L		100
72) 2-chlorotoluene	11.85	126	9997	0.86	ug/L		96
73) 1,3,5-trimethylbenzene	12.03	105	26980	0.71	ug/L		89
74) 4-chlorotoluene	12.00	91	27980	0.80	ug/L		99
75) tert-butylbenzene	12.42	119	21821	0.77	ug/L		96
76) 1,2,4-trimethylbenzene	12.48	105	25312	0.67	ug/L		93
77) sec-butylbenzene	12.69	105	34475	0.70	ug/L		99
78) 1,3-dichlorobenzene	12.78	146	21540	0.88	ug/L		98
79) 4-isopropyltoluene	12.89	119	34173	0.83	ug/L		95
80) 1,4-dichlorobenzene	12.89	146	24587	0.99	ug/L	#	76
81) 1,2-dichlorobenzene	13.34	146	18077	0.82	ug/L		97
82) n-butylbenzene	13.39	91	24414	0.03	ug/L		98
83) hexachloroethane	13.62	201	5667	0.77	ug/L	#	90
84) 1,2-dibromo-3-chloropropan	14.33	157	1305	3.54	ug/L		93
85) 1,2,4-trichlorobenzene	15.32	180	10138	1.98	ug/L		96
86) hexachlorobutadiene	15.54	225	7445	0.78	ug/L		95
87) naphthalene	15.60	128	13282	0.42	ug/L		96
88) 1,2,3-trichlorobenzene	15.32	180	10138	1.98	ug/L		96
89) 2-methylnaphthalene	16.99	142	4846	4.39	ug/L		96

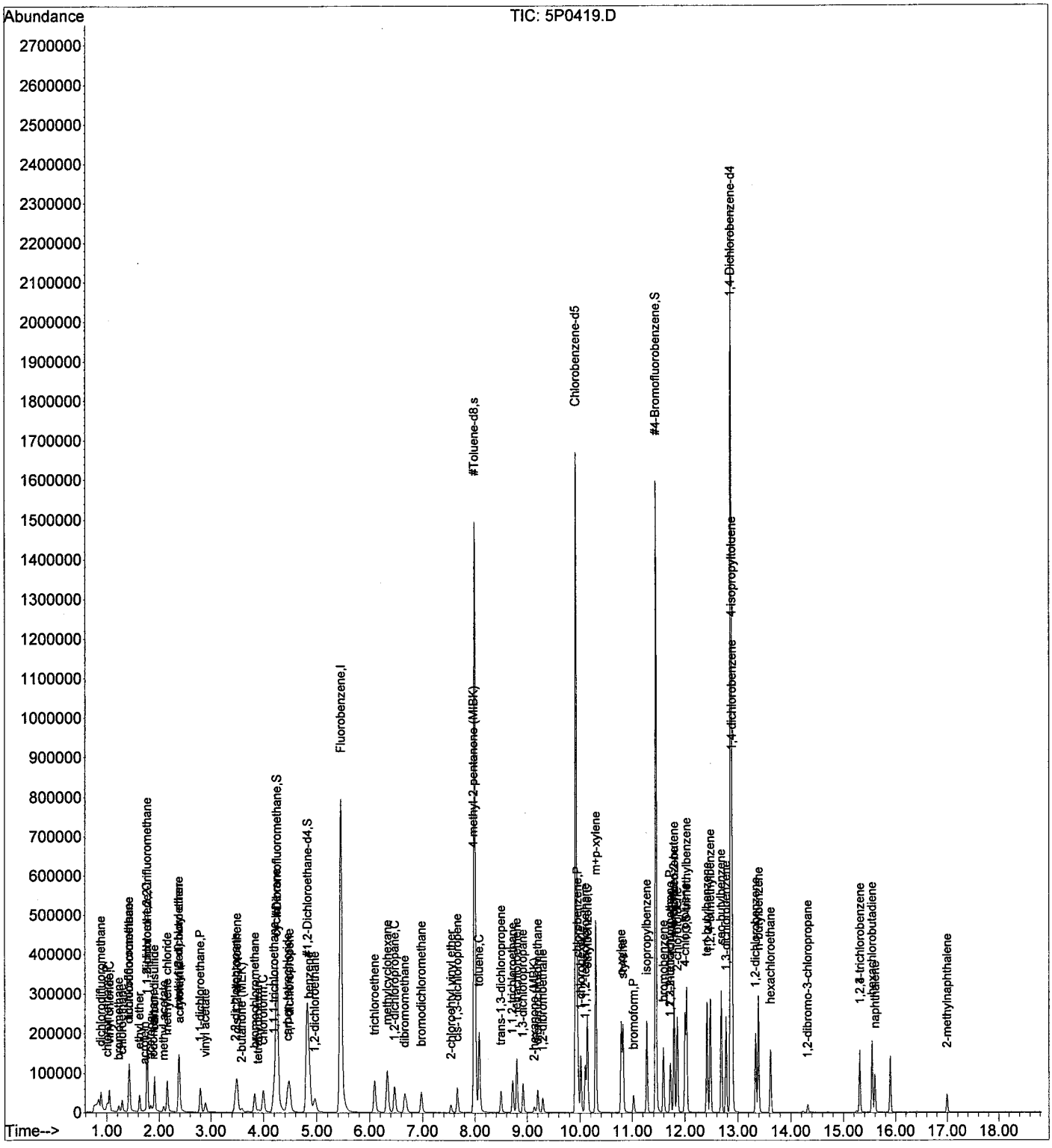
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00840

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 5P0419.D
InstName : 323
Acq On : 19 Apr 2012 11:30 am
Operator : LEW
Sample : 5P0419
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 12:21:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 5P0419.D
InstName : 323
Acq On : 19 Apr 2012 11:30 am
Operator : LEW
Sample : 5P0419
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 12:21:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.46	96	1313928	40.00	ug/L		0.00 87.85%
50) Chlorobenzene-d5	9.92	117	1057847	40.00	ug/L		0.00 94.68%
65) 1,4-Dichlorobenzene-d4	12.87	152	690582	40.00	ug/L		0.00 97.06%
System Monitoring Compounds							
30) #Dibromofluoromethane	4.25	111	331887	43.21	ug/L		0.00
Spiked Amount 40.000			Recovery =	108.02%			
37) #1,2-Dichloroethane-d4	4.82	67	175673	40.39	ug/L		0.00
Spiked Amount 40.000			Recovery =	100.97%			
46) #Toluene-d8	7.99	98	1261928	42.35	ug/L		0.00
Spiked Amount 40.000			Recovery =	105.88%			
64) #4-Bromofluorobenzene	11.44	95	545185	41.97	ug/L		0.00
Spiked Amount 40.000			Recovery =	104.93%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.89	85	41607	5.79	ug/L		100
3) chloromethane	1.01	50	39514	5.69	ug/L		98
4) vinyl chloride	1.05	62	47660	5.47	ug/L		98
5) bromomethane	1.23	94	8802	4.41	ug/L		87
6) chloroethane	1.29	64	25366	7.25	ug/L		97
7) dichlorofluoromethane	1.41	67	73941	5.84	ug/L		100
8) trichlorofluoromethane	1.43	101	62464	5.39	ug/L		98
9) ethyl ether	1.63	74	20660	4.78	ug/L		92
10) acrolein	1.72	56	3064	19.75	ug/L	#	96
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	38904	5.40	ug/L		96
12) 1,1-dichloroethene	1.77	96	38213	5.56	ug/L	#	78
13) acetone	1.84	43	17049	8.69	ug/L		84
14) iodomethane	1.88	142	13093	3.09	ug/L	#	81
15) carbon disulfide	1.91	76	127075	5.36	ug/L		99
16) methyl acetate	2.09	43	17388	4.35	ug/L	#	90
17) methylene chloride	2.16	49	43207	5.62	ug/L		86
18) acrylonitrile	2.40	53	11733	5.01	ug/L		93
19) trans-1,2-dichloroethene	2.38	96	46691	5.82	ug/L		90
20) methyl (tert) butyl ether	2.39	73	73705	4.77	ug/L		97
21) 1,1-dichloroethane	2.79	63	70096	5.49	ug/L		98
22) vinyl acetate	2.89	43	43685	4.53	ug/L		99
23) 2,2-dichloropropane	3.46	77	36846	4.65	ug/L		89
24) cis-1,2-dichloroethene	3.50	96	46020	5.11	ug/L		92
25) 2-butanone (MEK)	3.58	43	14152	5.35	ug/L		100
26) bromochloromethane	3.83	49	30405	5.57	ug/L	#	80
27) tetrahydrofuran	3.90	71	2425	5.30	ug/L		92
28) chloroform	3.99	83	71412	5.48	ug/L		99
29) 1,1,1-trichloroethane	4.19	97	54531	5.07	ug/L		92
31) cyclohexane	4.23	56	63176	5.19	ug/L		89
32) carbon tetrachloride	4.45	117	52881	5.04	ug/L		99
33) 1,1-dichloropropene	4.49	75	51288	4.99	ug/L		98
34) benzene	4.86	78	172582	5.38	ug/L	#	65
35) 1,2-dichloroethane	4.97	62	45201	5.22	ug/L		91
36) heptane	4.22	57	2851	No Calib		#	

00842

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 5P0419.D
InstName : 323
Acq On : 19 Apr 2012 11:30 am
Operator : LEW
Sample : 5P0419
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 12:21:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	45037	4.83	ug/L		98
39) methylcyclohexane	6.34	83	66398	4.67	ug/L		97
40) 1,2-dichloropropane	6.48	63	35492	5.14	ug/L		96
41) dibromomethane	6.67	93	21320	4.85	ug/L		91
42) bromodichloromethane	6.98	83	47141	5.06	ug/L		98
43) 2-chloroehtyl vinyl ether	7.54	63	10948	5.69	ug/L		95
44) cis-1,3-dichloropropene	7.66	75	46208	5.74	ug/L		88
45) 4-methyl-2-pentanone (MIBK	7.96	43	17879	3.76	ug/L	#	50
47) toluene	8.08	91	185898	5.38	ug/L		99
48) trans-1,3-dichloropropene	8.49	75	32350	5.82	ug/L		85
49) 1,1,2-trichloroethane	8.72	83	26043	4.82	ug/L		96
51) tetrachloroethene	8.80	166	51838	4.55	ug/L		98
52) 1,3-dichloropropane	8.92	76	54366	4.38	ug/L		100
53) 2-hexanone (MBK)	9.13	43	11990	3.05	ug/L		97
54) dibromochloromethane	9.20	129	34941	4.17	ug/L		98
55) 1,2-dibromoethane	9.30	109	27962	4.05	ug/L		99
56) chlorobenzene	9.96	112	129106	4.84	ug/L		98
57) 1-chlorohexane	10.02	55	35809	4.89	ug/L		92
58) 1,1,1,2-tetrachloroethane	10.10	131	37835	4.36	ug/L		94
59) ethylbenzene	10.14	91	198585	4.85	ug/L		97
60) m+p-xylene	10.30	106	167121	9.97	ug/L	#	87
61) o-xylene	10.79	106	73423	4.57	ug/L	#	86
62) styrene	10.82	104	128235	3.94	ug/L		86
63) bromoform	11.03	173	23542	3.80	ug/L		98
66) isopropylbenzene	11.27	105	164520	4.73	ug/L		98
67) bromobenzene	11.59	77	76294	4.66	ug/L		96
68) 1,1,2,2-tetrachloroethane	11.72	83	40147	4.17	ug/L	#	99
69) 1,2,3-trichloropropane	11.73	110	11648	3.72	ug/L		87
70) 1,4-dichloro-2-butene	11.79	53	9667	3.82	ug/L		89
71) n-propylbenzene	11.79	120	60843	4.65	ug/L		98
72) 2-chlorotoluene	11.85	126	55993	4.84	ug/L		94
73) 1,3,5-trimethylbenzene	12.03	105	178614	4.74	ug/L		93
74) 4-chlorotoluene	12.00	91	163664	4.71	ug/L		95
75) tert-butylbenzene	12.41	119	147995	4.34	ug/L		95
76) 1,2,4-trimethylbenzene	12.48	105	172842	4.63	ug/L		91
77) sec-butylbenzene	12.69	105	227296	4.67	ug/L		99
78) 1,3-dichlorobenzene	12.78	146	113665	4.68	ug/L		97
79) 4-isopropyltoluene	12.89	119	192282	4.68	ug/L		96
80) 1,4-dichlorobenzene	12.89	146	116256	4.73	ug/L		98
81) 1,2-dichlorobenzene	13.34	146	96806	4.40	ug/L		98
82) n-butylbenzene	13.39	91	170416	3.85	ug/L		99
83) hexachloroethane	13.62	201	30407	4.14	ug/L		95
84) 1,2-dibromo-3-chloropropan	14.33	157	7213	5.52	ug/L		96
85) 1,2,4-trichlorobenzene	15.32	180	56058	4.63	ug/L		98
86) hexachlorobutadiene	15.54	225	39219	4.15	ug/L		99
87) naphthalene	15.60	128	86647	2.76	ug/L		94
88) 1,2,3-trichlorobenzene	15.32	180	56058	4.63	ug/L		98
89) 2-methylnaphthalene	17.00	142	27039	5.63	ug/L		96

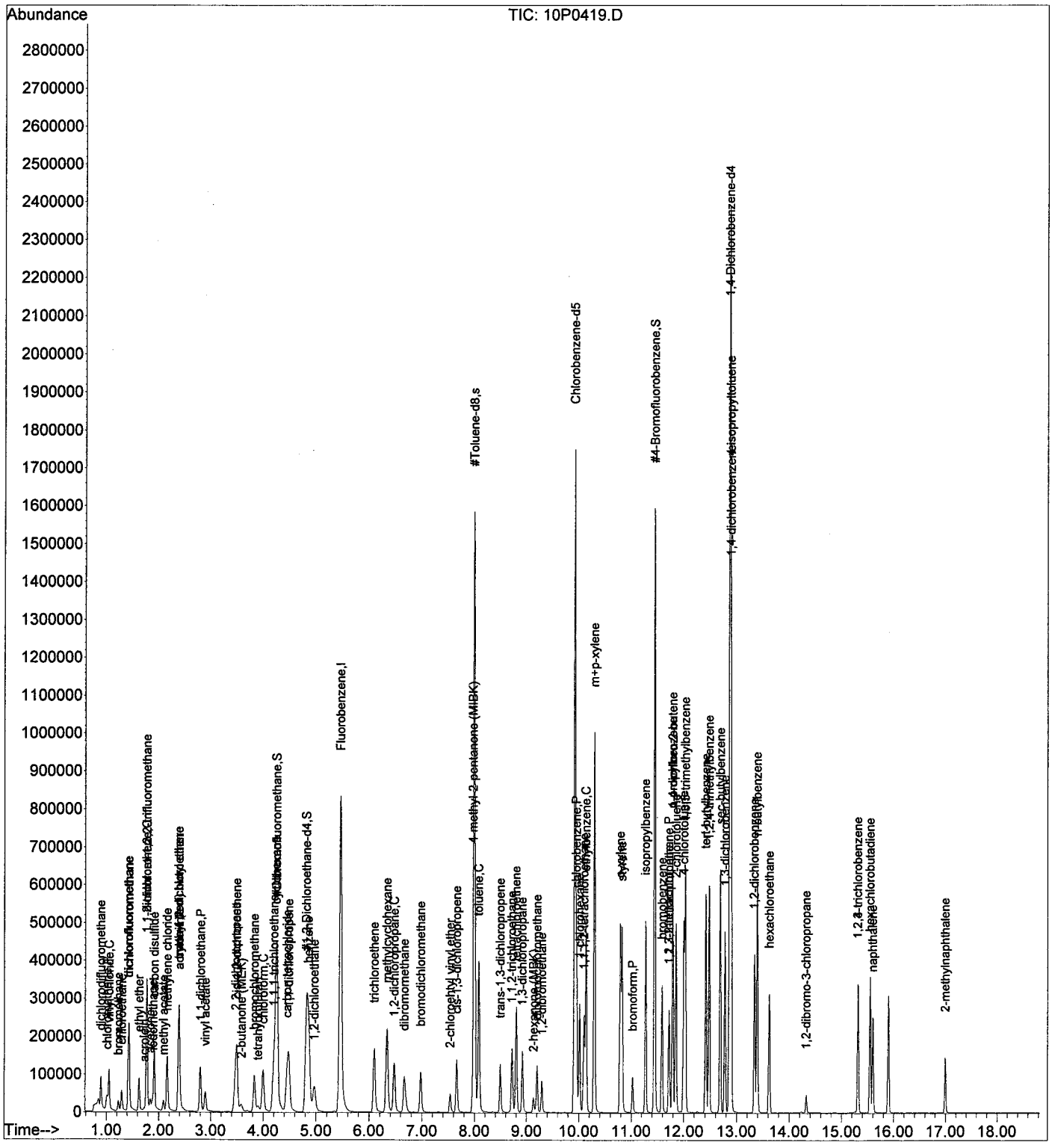
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00849

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 10P0419.D
InstName : 323
Acq On : 19 Apr 2012 11:58 am
Operator : LEW
Sample : 10P0419
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 19 12:22:03 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 10P0419.D
InstName : 323
Acq On : 19 Apr 2012 11:58 am
Operator : LEW
Sample : 10P0419
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 19 12:22:03 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.46	96	1367627	40.00	ug/L		0.00 91.44%
50) Chlorobenzene-d5	9.92	117	1097915	40.00	ug/L		0.00 98.27%
65) 1,4-Dichlorobenzene-d4	12.86	152	712891	40.00	ug/L		0.00 100.19%
System Monitoring Compounds							
30) #Dibromofluoromethane	4.26	111	340902	42.64	ug/L		0.00
Spiked Amount 40.000			Recovery = 106.60%				
37) #1,2-Dichloroethane-d4	4.82	67	179416	39.63	ug/L		-0.01
Spiked Amount 40.000			Recovery = 99.08%				
46) #Toluene-d8	7.99	98	1319106	42.53	ug/L		0.00
Spiked Amount 40.000			Recovery = 106.33%				
64) #4-Bromofluorobenzene	11.44	95	552143	40.95	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.38%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.89	85	82583	11.03	ug/L		100
3) chloromethane	1.01	50	77811	10.77	ug/L		99
4) vinyl chloride	1.05	62	94912	10.47	ug/L		97
5) bromomethane	1.23	94	16803	8.07	ug/L		86
6) chloroethane	1.29	64	48820	13.41	ug/L		97
7) dichlorofluoromethane	1.42	67	144299	10.95	ug/L		99
8) trichlorofluoromethane	1.43	101	122599	10.17	ug/L		98
9) ethyl ether	1.62	74	44769	9.96	ug/L		87
10) acrolein	1.72	56	6272	38.29	ug/L	#	95
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	77250	10.31	ug/L		97
12) 1,1-dichloroethene	1.77	96	76115	10.64	ug/L	#	79
13) acetone	1.84	43	31259	15.30	ug/L		79
14) iodomethane	1.88	142	41687	5.53	ug/L	#	89
15) carbon disulfide	1.91	76	244417	9.90	ug/L		100
16) methyl acetate	2.09	43	32361	8.13	ug/L	#	90
17) methylene chloride	2.16	49	83181	10.40	ug/L		89
18) acrylonitrile	2.39	53	22598	9.28	ug/L		91
19) trans-1,2-dichloroethene	2.38	96	85545	10.24	ug/L		91
20) methyl (tert) butyl ether	2.39	73	147884	9.20	ug/L		95
21) 1,1-dichloroethane	2.80	63	139930	10.53	ug/L		99
22) vinyl acetate	2.89	43	94810	9.44	ug/L		98
23) 2,2-dichloropropane	3.47	77	76023	9.22	ug/L		88
24) cis-1,2-dichloroethene	3.50	96	94198	10.04	ug/L		92
25) 2-butanone (MEK)	3.58	43	30399	11.03	ug/L		97
26) bromochloromethane	3.83	49	61624	10.85	ug/L	#	82
27) tetrahydrofuran	3.90	71	5624	8.94	ug/L		86
28) chloroform	4.00	83	140089	10.32	ug/L		100
29) 1,1,1-trichloroethane	4.19	97	108782	9.72	ug/L		92
31) cyclohexane	4.23	56	132901	10.50	ug/L		92
32) carbon tetrachloride	4.45	117	106285	9.73	ug/L		99
33) 1,1-dichloropropene	4.49	75	106010	9.91	ug/L		97
34) benzene	4.86	78	344768	10.33	ug/L	#	65
35) 1,2-dichloroethane	4.97	62	92147	10.22	ug/L		91
36) heptane	4.24	57	6051	No Calib		#	

00845

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 10P0419.D
InstName : 323
Acq On : 19 Apr 2012 11:58 am
Operator : LEW
Sample : 10P0419
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 19 12:22:03 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

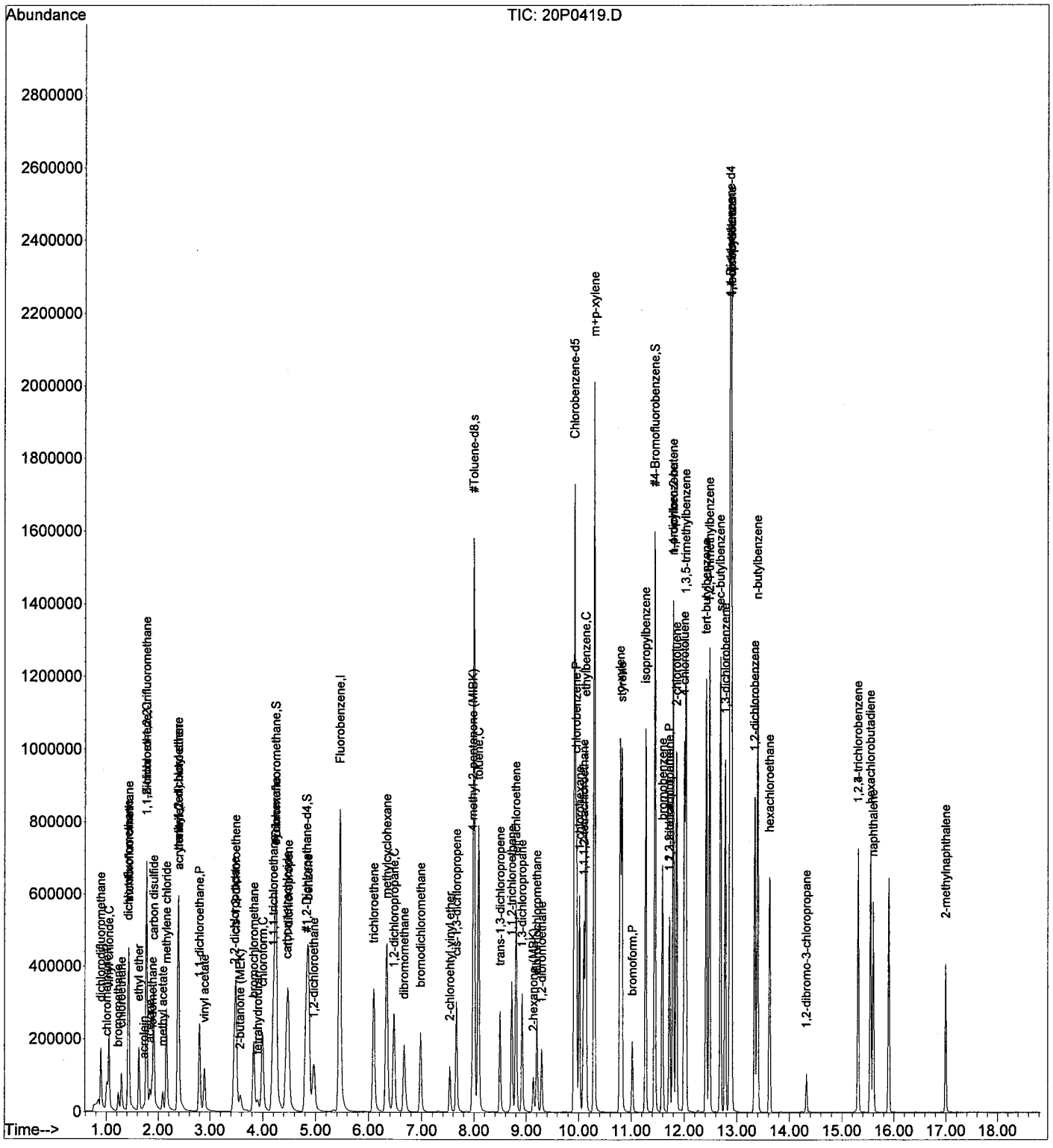
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	92651	9.55	ug/L		99
39) methylcyclohexane	6.34	83	143165	9.67	ug/L		98
40) 1,2-dichloropropane	6.47	63	72691	10.12	ug/L		97
41) dibromomethane	6.67	93	43468	9.51	ug/L		94
42) bromodichloromethane	6.98	83	97636	10.07	ug/L		97
43) 2-chloroehtyl vinyl ether	7.54	63	26770	9.03	ug/L		97
44) cis-1,3-dichloropropene	7.66	75	101240	9.83	ug/L		89
45) 4-methyl-2-pentanone (MIBK	7.96	43	36549	7.38	ug/L	#	52
47) toluene	8.08	91	368242	10.25	ug/L		99
48) trans-1,3-dichloropropene	8.49	75	74205	9.59	ug/L		91
49) 1,1,2-trichloroethane	8.72	83	52731	9.38	ug/L		96
51) tetrachloroethene	8.80	166	104369	8.82	ug/L		98
52) 1,3-dichloropropane	8.92	76	115142	8.93	ug/L		98
53) 2-hexanone (MBK)	9.13	43	32423	7.95	ug/L		96
54) dibromochloromethane	9.20	129	75524	8.68	ug/L		100
55) 1,2-dibromoethane	9.29	109	60113	8.40	ug/L		98
56) chlorobenzene	9.96	112	257142	9.28	ug/L		99
57) 1-chlorohexane	10.02	55	72929	9.59	ug/L		96
58) 1,1,1,2-tetrachloroethane	10.10	131	77893	8.65	ug/L	#	93
59) ethylbenzene	10.13	91	403916	9.50	ug/L		96
60) m+p-xylene	10.30	106	341807	19.65	ug/L	#	87
61) o-xylene	10.78	106	157516	9.44	ug/L	#	85
62) styrene	10.82	104	270607	8.57	ug/L		86
63) bromoform	11.03	173	49750	7.73	ug/L		99
66) isopropylbenzene	11.27	105	350903	9.04	ug/L		98
67) bromobenzene	11.59	77	154786	9.15	ug/L		95
68) 1,1,2,2-tetrachloroethane	11.72	83	82780	8.32	ug/L	#	100
69) 1,2,3-trichloropropane	11.73	110	25454	7.88	ug/L		92
70) 1,4-dichloro-2-butene	11.78	53	20911	8.01	ug/L		92
71) n-propylbenzene	11.79	120	124898	9.24	ug/L		99
72) 2-chlorotoluene	11.85	126	110378	9.24	ug/L		89
73) 1,3,5-trimethylbenzene	12.03	105	365810	9.41	ug/L		91
74) 4-chlorotoluene	12.00	91	337972	9.42	ug/L		96
75) tert-butylbenzene	12.41	119	313117	8.73	ug/L		94
76) 1,2,4-trimethylbenzene	12.48	105	362035	9.40	ug/L		92
77) sec-butylbenzene	12.69	105	474156	9.43	ug/L		100
78) 1,3-dichlorobenzene	12.78	146	227862	9.09	ug/L		98
79) 4-isopropyltoluene	12.89	119	390124	9.20	ug/L		95
80) 1,4-dichlorobenzene	12.89	146	235279	9.26	ug/L		98
81) 1,2-dichlorobenzene	13.34	146	202697	8.92	ug/L		98
82) n-butylbenzene	13.39	91	359897	8.50	ug/L		99
83) hexachloroethane	13.62	201	61750	8.15	ug/L		96
84) 1,2-dibromo-3-chloropropan	14.32	157	15666	8.18	ug/L		94
85) 1,2,4-trichlorobenzene	15.31	180	123416	8.29	ug/L		98
86) hexachlorobutadiene	15.54	225	78213	8.01	ug/L		99
87) naphthalene	15.60	128	217727	6.71	ug/L		95
88) 1,2,3-trichlorobenzene	15.31	180	123416	8.29	ug/L		98
89) 2-methylnaphthalene	16.99	142	78392	8.37	ug/L		93

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

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 20P0419.D
InstName : 323
Acq On : 19 Apr 2012 12:26 pm
Operator : LEW
Sample : 20P0419
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 19 13:10:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 20P0419.D
InstName : 323
Acq On : 19 Apr 2012 12:26 pm
Operator : LEW
Sample : 20P0419
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 19 13:10:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.46	96	1365933	40.00	ug/L	0.00 91.33%
50) Chlorobenzene-d5	9.92	117	1099336	40.00	ug/L	0.00 98.39%
65) 1,4-Dichlorobenzene-d4	12.86	152	705756	40.00	ug/L	0.00 99.19%
System Monitoring Compounds						
30) #Dibromofluoromethane	4.25	111	334488	41.89	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.72%		
37) #1,2-Dichloroethane-d4	4.82	67	177664	39.29	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.22%		
46) #Toluene-d8	7.99	98	1330561	42.95	ug/L	0.00
Spiked Amount 40.000			Recovery =	107.38%		
64) #4-Bromofluorobenzene	11.44	95	550124	40.75	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.88%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.89	85	165108	22.08	ug/L	98
3) chloromethane	1.01	50	148230	20.55	ug/L	99
4) vinyl chloride	1.05	62	186944	20.64	ug/L	97
5) bromomethane	1.23	94	41915	20.12	ug/L	99
6) chloroethane	1.29	64	90727	24.95	ug/L	98
7) dichlorofluoromethane	1.41	67	282139	21.44	ug/L	99
8) trichlorofluoromethane	1.43	101	241587	20.07	ug/L	100
9) ethyl ether	1.63	74	87388	19.46	ug/L	84
10) acrolein	1.72	56	12752	72.48	ug/L #	92
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	160515	21.45	ug/L	94
12) 1,1-dichloroethene	1.77	96	150568	21.07	ug/L #	80
13) acetone	1.84	43	54793	26.86	ug/L	72
14) iodomethane	1.88	142	125859	12.86	ug/L #	89
15) carbon disulfide	1.91	76	477664	19.38	ug/L	100
16) methyl acetate	2.09	43	64802	16.76	ug/L #	91
17) methylene chloride	2.16	49	159191	19.92	ug/L	87
18) acrylonitrile	2.39	53	48384	19.89	ug/L	94
19) trans-1,2-dichloroethene	2.38	96	183646	22.01	ug/L	90
20) methyl (tert) butyl ether	2.39	73	314449	19.58	ug/L	95
21) 1,1-dichloroethane	2.79	63	278105	20.96	ug/L	99
22) vinyl acetate	2.89	43	204449	20.39	ug/L	98
23) 2,2-dichloropropane	3.46	77	159832	19.41	ug/L	89
24) cis-1,2-dichloroethene	3.49	96	192626	20.56	ug/L	91
25) 2-butanone (MEK)	3.58	43	61382	22.31	ug/L	94
26) bromochloromethane	3.83	49	119913	21.13	ug/L #	82
27) tetrahydrofuran	3.90	71	12111	16.59	ug/L #	90
28) chloroform	3.99	83	278499	20.54	ug/L	98
29) 1,1,1-trichloroethane	4.19	97	225535	20.17	ug/L	94
31) cyclohexane	4.23	56	281122	22.23	ug/L	92
32) carbon tetrachloride	4.45	117	220775	20.25	ug/L	99
33) 1,1-dichloropropene	4.49	75	223029	20.87	ug/L	97
34) benzene	4.86	78	692480	20.77	ug/L #	65
35) 1,2-dichloroethane	4.97	62	175378	19.48	ug/L	88
36) heptane	4.23	57	12379	No Calib	#	

00848

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 20P0419.D
InstName : 323
Acq On : 19 Apr 2012 12:26 pm
Operator : LEW
Sample : 20P0419
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 19 13:10:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

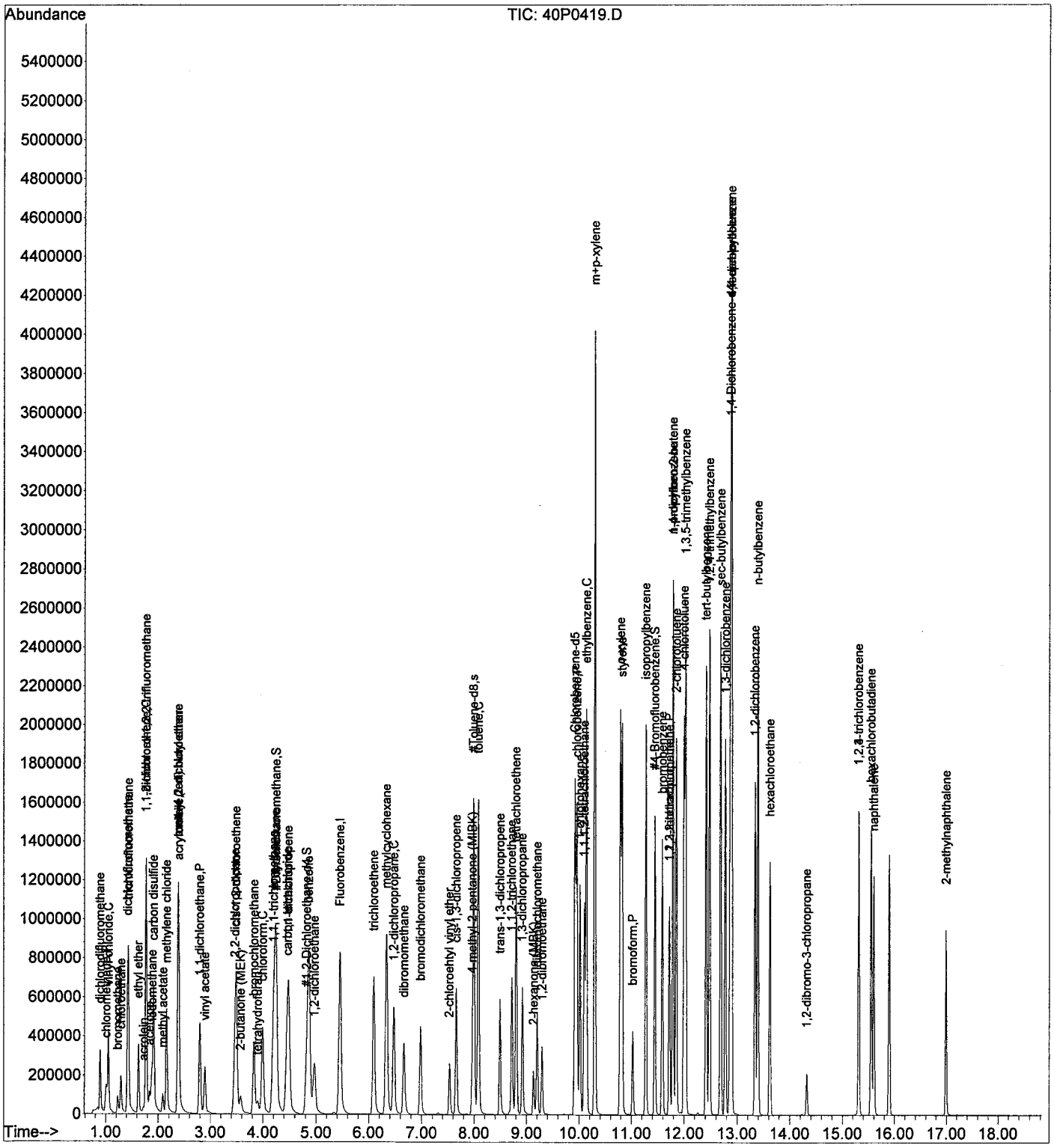
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	188355	19.43	ug/L		99
39) methylcyclohexane	6.34	83	312421	21.12	ug/L		98
40) 1,2-dichloropropane	6.47	63	147547	20.56	ug/L		96
41) dibromomethane	6.66	93	85915	18.81	ug/L		93
42) bromodichloromethane	6.98	83	194564	20.10	ug/L		99
43) 2-chloroehtyl vinyl ether	7.54	63	64350	17.19	ug/L		98
44) cis-1,3-dichloropropene	7.66	75	220316	19.03	ug/L		89
45) 4-methyl-2-pentanone (MIBK	7.96	43	76493	15.46	ug/L	#	88
47) toluene	8.08	91	742510	20.69	ug/L		99
48) trans-1,3-dichloropropene	8.49	75	164775	18.03	ug/L		91
49) 1,1,2-trichloroethane	8.72	83	108782	19.37	ug/L		96
51) tetrachloroethene	8.80	166	213156	18.00	ug/L		99
52) 1,3-dichloropropane	8.92	76	232938	18.04	ug/L		98
53) 2-hexanone (MBK)	9.13	43	73819	18.07	ug/L		96
54) dibromochloromethane	9.20	129	154657	17.75	ug/L		97
55) 1,2-dibromoethane	9.29	109	122515	17.09	ug/L		98
56) chlorobenzene	9.96	112	516976	18.64	ug/L		96
57) 1-chlorohexane	10.02	55	150564	19.77	ug/L		99
58) 1,1,1,2-tetrachloroethane	10.10	131	166088	18.43	ug/L		95
59) ethylbenzene	10.14	91	835497	19.62	ug/L		97
60) m+p-xylene	10.30	106	697599	40.05	ug/L	#	85
61) o-xylene	10.79	106	328585	19.67	ug/L	#	86
62) styrene	10.82	104	563364	18.42	ug/L		85
63) bromoform	11.03	173	103408	16.05	ug/L		98
66) isopropylbenzene	11.27	105	745426	18.63	ug/L		97
67) bromobenzene	11.58	77	312893	18.69	ug/L		95
68) 1,1,2,2-tetrachloroethane	11.72	83	165248	16.78	ug/L	#	99
69) 1,2,3-trichloropropane	11.73	110	51008	15.95	ug/L		93
70) 1,4-dichloro-2-butene	11.79	53	42935	16.61	ug/L		93
71) n-propylbenzene	11.79	120	260194	19.44	ug/L		99
72) 2-chlorotoluene	11.85	126	222420	18.81	ug/L		90
73) 1,3,5-trimethylbenzene	12.03	105	743439	19.32	ug/L		91
74) 4-chlorotoluene	12.00	91	683255	19.23	ug/L		95
75) tert-butylbenzene	12.41	119	657573	18.33	ug/L		95
76) 1,2,4-trimethylbenzene	12.48	105	742960	19.48	ug/L		92
77) sec-butylbenzene	12.69	105	981838	19.72	ug/L		99
78) 1,3-dichlorobenzene	12.78	146	455976	18.37	ug/L		98
79) 4-isopropyltoluene	12.89	119	812057	19.35	ug/L		95
80) 1,4-dichlorobenzene	12.89	146	465456	18.51	ug/L		98
81) 1,2-dichlorobenzene	13.34	146	412921	18.36	ug/L		98
82) n-butylbenzene	13.39	91	749106	18.53	ug/L		99
83) hexachloroethane	13.62	201	131177	17.50	ug/L		99
84) 1,2-dibromo-3-chloropropan	14.32	157	34446	14.38	ug/L		94
85) 1,2,4-trichlorobenzene	15.32	180	264549	16.33	ug/L		98
86) hexachlorobutadiene	15.54	225	163380	16.90	ug/L		99
87) naphthalene	15.60	128	488867	15.22	ug/L		95
88) 1,2,3-trichlorobenzene	15.32	180	264549	16.33	ug/L		98
89) 2-methylnaphthalene	16.99	142	199375	15.05	ug/L		94

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

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 40P0419.D
InstName : 323
Acq On : 19 Apr 2012 12:53 pm
Operator : LEW
Sample : 40P0419
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 19 13:41:26 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 40P0419.D
InstName : 323
Acq On : 19 Apr 2012 12:53 pm
Operator : LEW
Sample : 40P0419
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 19 13:41:26 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.45	96	1371558	40.00	ug/L		0.00 91.71%
50) Chlorobenzene-d5	9.92	117	1096399	40.00	ug/L		0.00 98.13%
65) 1,4-Dichlorobenzene-d4	12.87	152	700390	40.00	ug/L		0.00 98.44%
System Monitoring Compounds							
30) #Dibromofluoromethane	4.25	111	334961	41.78	ug/L		0.00
Spiked Amount 40.000			Recovery =	104.45%			
37) #1,2-Dichloroethane-d4	4.82	67	176189	38.80	ug/L		-0.01
Spiked Amount 40.000			Recovery =	97.00%			
46) #Toluene-d8	7.99	98	1341072	43.12	ug/L		0.00
Spiked Amount 40.000			Recovery =	107.80%			
64) #4-Bromofluorobenzene	11.44	95	542130	40.26	ug/L		0.00
Spiked Amount 40.000			Recovery =	100.65%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.89	85	324287	43.20	ug/L		100
3) chloromethane	1.01	50	291687	40.27	ug/L		98
4) vinyl chloride	1.05	62	364672	40.10	ug/L		97
5) bromomethane	1.23	94	84336	40.30	ug/L		98
6) chloroethane	1.29	64	172085	47.12	ug/L		99
7) dichlorofluoromethane	1.41	67	546483	41.35	ug/L		99
8) trichlorofluoromethane	1.43	101	467982	38.71	ug/L		97
9) ethyl ether	1.63	74	172974	38.36	ug/L		90
10) acrolein	1.72	56	24851	124.95	ug/L	#	96
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	305666	40.68	ug/L		95
12) 1,1-dichloroethene	1.77	96	284856	39.69	ug/L	#	82
13) acetone	1.84	43	104591	51.06	ug/L		75
14) iodomethane	1.88	142	332589	30.73	ug/L		91
15) carbon disulfide	1.91	76	918172	37.09	ug/L		100
16) methyl acetate	2.09	43	123139	32.13	ug/L	#	91
17) methylene chloride	2.16	49	302802	37.74	ug/L		86
18) acrylonitrile	2.39	53	98429	40.29	ug/L		91
19) trans-1,2-dichloroethene	2.38	96	370711	44.26	ug/L		91
20) methyl (tert) butyl ether	2.39	73	639698	39.67	ug/L		94
21) 1,1-dichloroethane	2.79	63	558128	41.89	ug/L		98
22) vinyl acetate	2.89	43	424018	42.11	ug/L		98
23) 2,2-dichloropropane	3.46	77	332656	40.23	ug/L		90
24) cis-1,2-dichloroethene	3.49	96	387000	41.14	ug/L		91
25) 2-butanone (MEK)	3.58	43	123162	44.57	ug/L		97
26) bromochloromethane	3.83	49	236216	41.45	ug/L		84
27) tetrahydrofuran	3.90	71	24788	31.39	ug/L	#	89
28) chloroform	3.99	83	555942	40.84	ug/L		99
29) 1,1,1-trichloroethane	4.19	97	460009	40.97	ug/L		95
31) cyclohexane	4.23	56	559535	44.07	ug/L		92
32) carbon tetrachloride	4.45	117	444863	40.63	ug/L		100
33) 1,1-dichloropropene	4.48	75	452510	42.17	ug/L		97
34) benzene	4.86	78	1381916	41.29	ug/L		91
35) 1,2-dichloroethane	4.97	62	352709	39.02	ug/L		88
36) heptane	4.23	57	25361	No Calib		#	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 40P0419.D
InstName : 323
Acq On : 19 Apr 2012 12:53 pm
Operator : LEW
Sample : 40P0419
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 19 13:41:26 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	390339	40.11	ug/L		99
39) methylcyclohexane	6.34	83	631120	42.49	ug/L		97
40) 1,2-dichloropropane	6.47	63	305990	42.47	ug/L		96
41) dibromomethane	6.66	93	172659	37.65	ug/L		95
42) bromodichloromethane	6.98	83	397154	40.86	ug/L		98
43) 2-chloroehtyl vinyl ether	7.54	63	142235	33.98	ug/L		98
44) cis-1,3-dichloropropene	7.66	75	471542	38.26	ug/L		88
45) 4-methyl-2-pentanone (MIBK	7.96	43	167880	33.79	ug/L	#	92
47) toluene	8.08	91	1494100	41.46	ug/L		99
48) trans-1,3-dichloropropene	8.49	75	361793	36.24	ug/L		92
49) 1,1,2-trichloroethane	8.72	83	220683	39.13	ug/L		96
51) tetrachloroethene	8.80	166	431518	36.53	ug/L		98
52) 1,3-dichloropropane	8.92	76	471649	36.63	ug/L		99
53) 2-hexanone (MBK)	9.13	43	162336	39.85	ug/L		95
54) dibromochloromethane	9.20	129	321370	36.98	ug/L		98
55) 1,2-dibromoethane	9.29	109	251918	35.24	ug/L		99
56) chlorobenzene	9.96	112	1025586	37.08	ug/L		96
57) 1-chlorohexane	10.02	55	297113	39.12	ug/L		96
58) 1,1,1,2-tetrachloroethane	10.10	131	339514	37.77	ug/L		94
59) ethylbenzene	10.14	91	1664520	39.19	ug/L		96
60) m+p-xylene	10.30	106	1385439	79.76	ug/L	#	85
61) o-xylene	10.79	106	666512	40.01	ug/L	#	85
62) styrene	10.82	104	1136537	37.83	ug/L		85
63) bromoform	11.03	173	216266	33.65	ug/L		98
66) isopropylbenzene	11.27	105	1503528	37.16	ug/L		97
67) bromobenzene	11.59	77	625966	37.68	ug/L		95
68) 1,1,2,2-tetrachloroethane	11.72	83	327328	33.49	ug/L	#	98
69) 1,2,3-trichloropropane	11.73	110	102489	32.29	ug/L		95
70) 1,4-dichloro-2-butene	11.79	53	88450	34.48	ug/L		84
71) n-propylbenzene	11.80	120	515440	38.81	ug/L		98
72) 2-chlorotoluene	11.85	126	435603	37.12	ug/L		89
73) 1,3,5-trimethylbenzene	12.03	105	1473518	38.59	ug/L		90
74) 4-chlorotoluene	12.00	91	1353538	38.39	ug/L		95
75) tert-butylbenzene	12.41	119	1316006	36.81	ug/L		94
76) 1,2,4-trimethylbenzene	12.48	105	1484863	39.23	ug/L		92
77) sec-butylbenzene	12.69	105	1935478	39.17	ug/L		99
78) 1,3-dichlorobenzene	12.78	146	909127	36.90	ug/L		98
79) 4-isopropyltoluene	12.89	119	1634786	39.25	ug/L		95
80) 1,4-dichlorobenzene	12.89	146	934170	37.44	ug/L		97
81) 1,2-dichlorobenzene	13.34	146	831043	37.23	ug/L		99
82) n-butylbenzene	13.39	91	1490399	37.75	ug/L		99
83) hexachloroethane	13.62	201	269271	36.19	ug/L		97
84) 1,2-dibromo-3-chloropropan	14.32	157	73926	27.47	ug/L		94
85) 1,2,4-trichlorobenzene	15.32	180	562294	33.38	ug/L		98
86) hexachlorobutadiene	15.54	225	330787	34.48	ug/L		98
87) naphthalene	15.60	128	1038717	32.59	ug/L		94
88) 1,2,3-trichlorobenzene	15.32	180	562294	33.38	ug/L		98
89) 2-methylnaphthalene	16.99	142	466817	29.91	ug/L		94

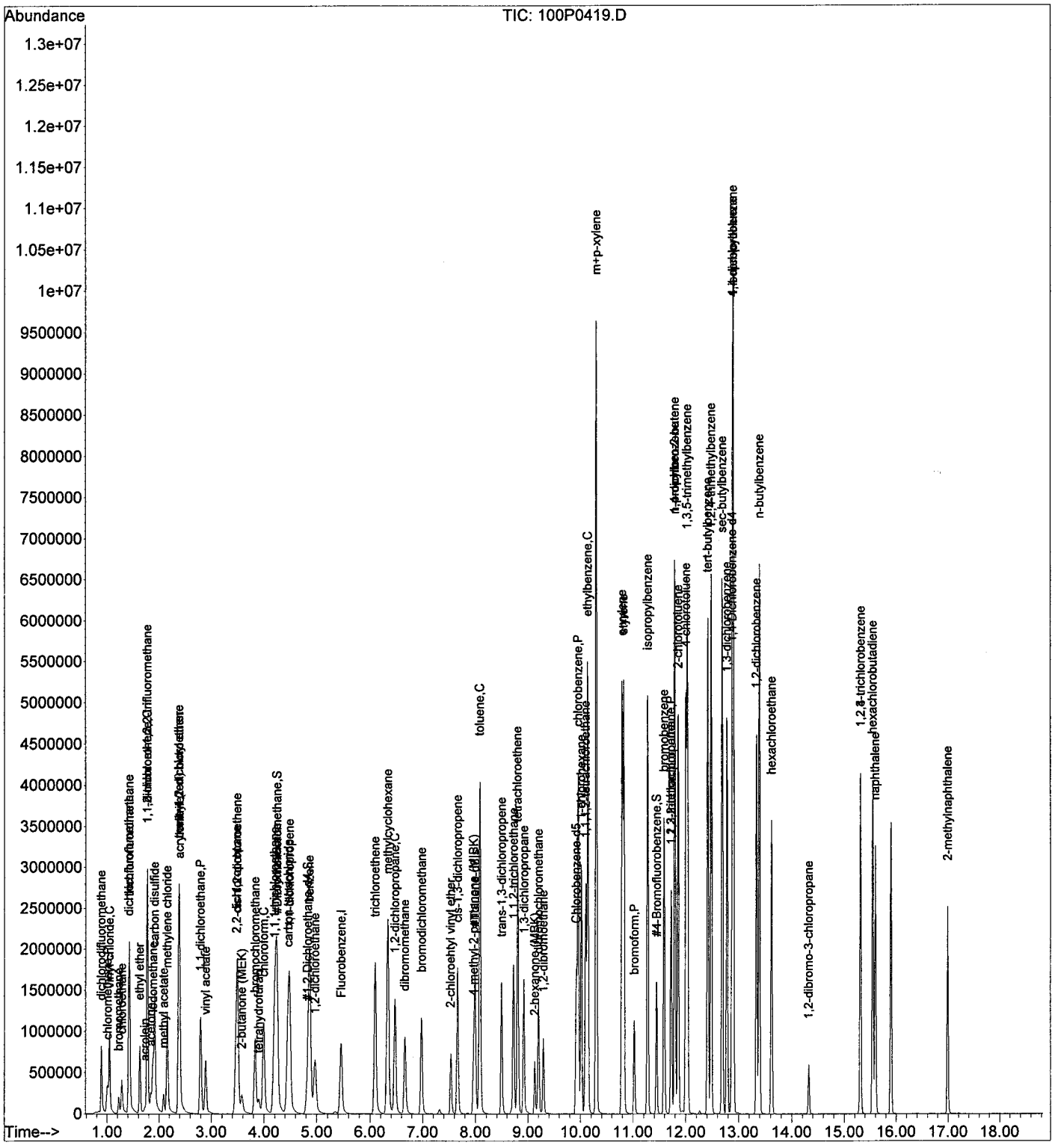
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00852

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 100P0419.D
InstName : 323
Acq On : 19 Apr 2012 1:21 pm
Operator : LEW
Sample : 100P0419
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 19 13:41:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 100P0419.D
InstName : 323
Acq On : 19 Apr 2012 1:21 pm
Operator : LEW
Sample : 100P0419
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 19 13:41:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.46	96	1406799	40.00	ug/L	0.00 94.06%
50) Chlorobenzene-d5	9.92	117	1122113	40.00	ug/L	0.00 100.43%
65) 1,4-Dichlorobenzene-d4	12.87	152	702117	40.00	ug/L	0.00 98.68%
System Monitoring Compounds						
30) #Dibromofluoromethane	4.25	111	336792	40.95	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.38%		
37) #1,2-Dichloroethane-d4	4.82	67	178055	38.23	ug/L	0.00
Spiked Amount 40.000			Recovery =	95.57%		
46) #Toluene-d8	7.99	98	1370506	42.96	ug/L	0.00
Spiked Amount 40.000			Recovery =	107.40%		
64) #4-Bromofluorobenzene	11.45	95	545348	39.57	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.92%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.89	85	808760	105.03	ug/L	99
3) chloromethane	1.01	50	690559	92.94	ug/L	98
4) vinyl chloride	1.05	62	876285	93.93	ug/L	97
5) bromomethane	1.23	94	131150	61.09	ug/L	94
6) chloroethane	1.28	64	356361	95.14	ug/L	98
7) dichlorofluoromethane	1.41	67	1268099	93.56	ug/L	100
8) trichlorofluoromethane	1.43	101	1118306	90.19	ug/L	100
9) ethyl ether	1.63	74	411701	89.02	ug/L	87
10) acrolein	1.72	56	65301	250.26	ug/L #	92
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	706530	91.66	ug/L	95
12) 1,1-dichloroethene	1.77	96	649983	88.29	ug/L #	84
13) acetone	1.84	43	230931	109.91	ug/L	73
14) iodomethane	1.88	142	972069	84.03	ug/L	92
15) carbon disulfide	1.91	76	2135006	84.09	ug/L	100
16) methyl acetate	2.09	43	287448	73.70	ug/L #	91
17) methylene chloride	2.15	49	706937	85.91	ug/L	87
18) acrylonitrile	2.39	53	237401	94.74	ug/L	93
19) trans-1,2-dichloroethene	2.38	96	897952	104.52	ug/L	92
20) methyl (tert) butyl ether	2.39	73	1628062	98.44	ug/L	94
21) 1,1-dichloroethane	2.79	63	1397576	102.26	ug/L	99
22) vinyl acetate	2.89	43	1144584	110.83	ug/L	98
23) 2,2-dichloropropane	3.47	77	889365	104.86	ug/L	89
24) cis-1,2-dichloroethene	3.49	96	976625	101.22	ug/L	90
25) 2-butanone (MEK)	3.58	43	308400	108.81	ug/L	94
26) bromochloromethane	3.83	49	576183	98.58	ug/L	85
27) tetrahydrofuran	3.90	71	66501	78.32	ug/L #	86
28) chloroform	3.99	83	1386946	99.33	ug/L	99
29) 1,1,1-trichloroethane	4.19	97	1200549	104.25	ug/L	97
31) cyclohexane	4.23	56	1418588	108.93	ug/L	93
32) carbon tetrachloride	4.45	117	1142622	101.74	ug/L	100
33) 1,1-dichloropropene	4.49	75	1149296	104.43	ug/L	97
34) benzene	4.86	78	3462216	100.85	ug/L	85
35) 1,2-dichloroethane	4.97	62	869969	93.83	ug/L	87
36) heptane	4.23	57	64313	No Calib	#	

00854

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 100P0419.D
InstName : 323
Acq On : 19 Apr 2012 1:21 pm
Operator : LEW
Sample : 100P0419
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 19 13:41:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Mon Apr 16 13:51:54 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	1006965	100.88	ug/L		99
39) methylcyclohexane	6.34	83	1647997	108.17	ug/L		97
40) 1,2-dichloropropane	6.47	63	783661	106.05	ug/L		96
41) dibromomethane	6.66	93	436289	92.75	ug/L		95
42) bromodichloromethane	6.98	83	1036628	103.98	ug/L		98
43) 2-chloroehtyl vinyl ether	7.53	63	398696	87.27	ug/L		98
44) cis-1,3-dichloropropene	7.66	75	1271163	97.24	ug/L		87
45) 4-methyl-2-pentanone (MIBK	7.96	43	457652	89.81	ug/L	#	95
47) toluene	8.08	91	3745523	101.33	ug/L		98
48) trans-1,3-dichloropropene	8.49	75	994794	92.63	ug/L		92
49) 1,1,2-trichloroethane	8.72	83	566019	97.85	ug/L		97
51) tetrachloroethene	8.80	166	1115693	92.29	ug/L		98
52) 1,3-dichloropropane	8.92	76	1199667	91.04	ug/L		100
53) 2-hexanone (MBK)	9.13	43	422901	101.44	ug/L		93
54) dibromochloromethane	9.20	129	843576	94.86	ug/L		98
55) 1,2-dibromoethane	9.29	109	650313	88.88	ug/L		99
56) chlorobenzene	9.96	112	2604983	92.03	ug/L		97
57) 1-chlorohexane	10.02	55	749386	96.41	ug/L		91
58) 1,1,1,2-tetrachloroethane	10.10	131	903425	98.20	ug/L		95
59) ethylbenzene	10.14	91	4222884	97.15	ug/L		96
60) m+p-xylene	10.30	106	3397318	191.11	ug/L	#	86
61) o-xylene	10.79	106	1716758	100.70	ug/L	#	84
62) styrene	10.82	104	2933830	96.24	ug/L		86
63) bromoform	11.03	173	580241	88.21	ug/L		98
66) isopropylbenzene	11.28	105	3847874	93.81	ug/L		97
67) bromobenzene	11.59	77	1608535	96.58	ug/L		96
68) 1,1,2,2-tetrachloroethane	11.72	83	841093	85.84	ug/L	#	99
69) 1,2,3-trichloropropane	11.73	110	262667	82.55	ug/L		96
70) 1,4-dichloro-2-butene	11.79	53	225800	87.80	ug/L	#	77
71) n-propylbenzene	11.80	120	1328417	99.76	ug/L		94
72) 2-chlorotoluene	11.86	126	1125456	95.68	ug/L		93
73) 1,3,5-trimethylbenzene	12.03	105	3796940	99.19	ug/L		90
74) 4-chlorotoluene	12.00	91	3490516	98.76	ug/L		95
75) tert-butylbenzene	12.42	119	3376096	93.95	ug/L		95
76) 1,2,4-trimethylbenzene	12.48	105	3811583	100.46	ug/L		91
77) sec-butylbenzene	12.69	105	4948485	99.90	ug/L		98
78) 1,3-dichlorobenzene	12.78	146	2324169	94.11	ug/L		99
79) 4-isopropyltoluene	12.89	119	4061814	97.29	ug/L		96
80) 1,4-dichlorobenzene	12.90	146	2294637	91.75	ug/L		98
81) 1,2-dichlorobenzene	13.34	146	2139731	95.62	ug/L		99
82) n-butylbenzene	13.39	91	3812642	97.27	ug/L		97
83) hexachloroethane	13.62	201	735774	98.65	ug/L		95
84) 1,2-dibromo-3-chloropropan	14.32	157	206134	70.87	ug/L		92
85) 1,2,4-trichlorobenzene	15.32	180	1502008	86.62	ug/L		98
86) hexachlorobutadiene	15.54	225	899768	93.56	ug/L		99
87) naphthalene	15.60	128	2746373	85.96	ug/L		95
88) 1,2,3-trichlorobenzene	15.32	180	1502008	86.62	ug/L		98
89) 2-methylnaphthalene	16.99	142	1300322	75.79	ug/L		94

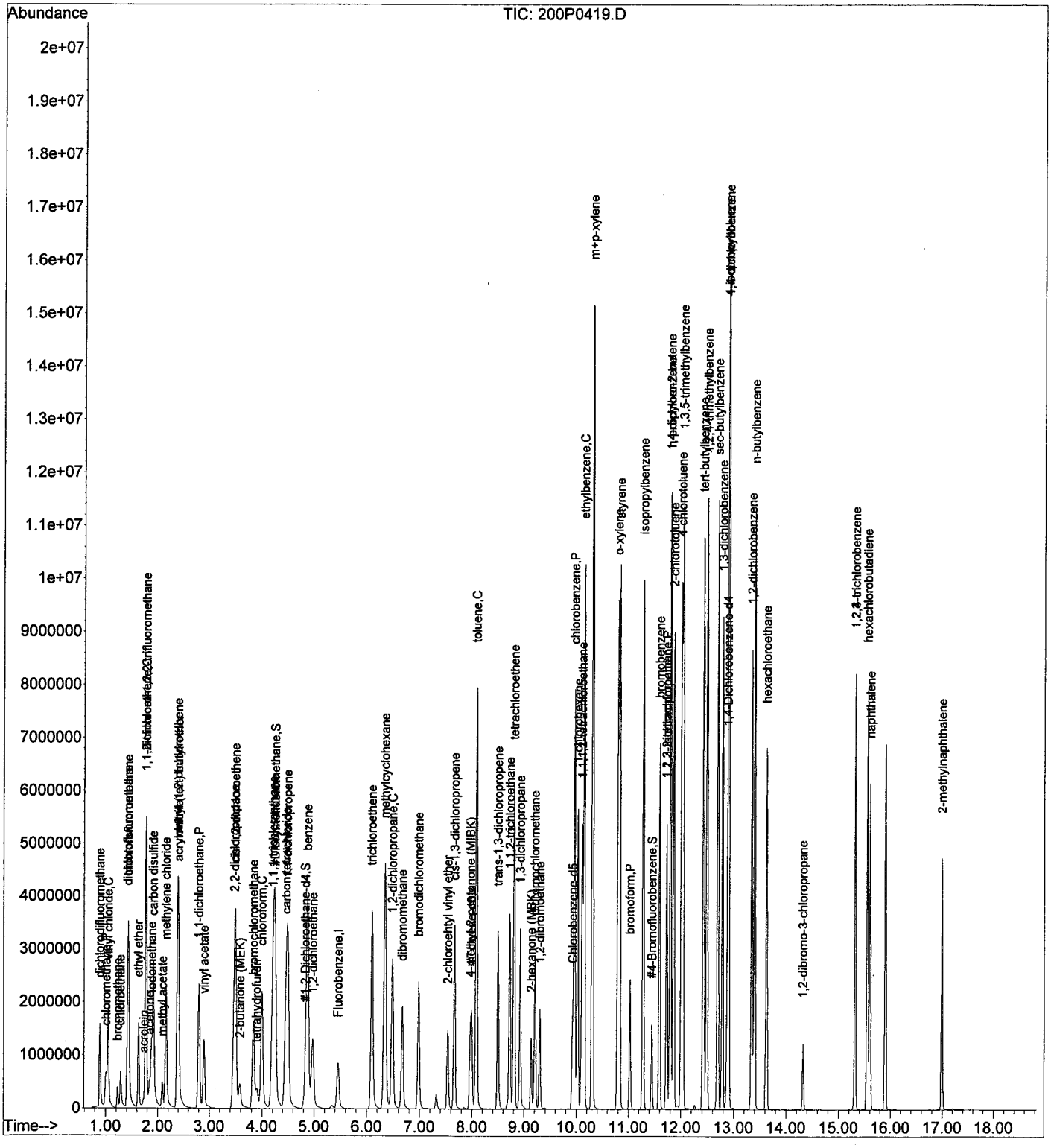
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00855

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 200P0419.D
InstName : 323
Acq On : 19 Apr 2012 2:17 pm
Operator : LEW
Sample : 200P0419
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 19 14:36:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 13:45:57 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 200P0419.D
InstName : 323
Acq On : 19 Apr 2012 2:17 pm
Operator : LEW
Sample : 200P0419
Misc :
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Quant Time: Apr 19 14:36:14 2012
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Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 13:45:57 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.46	96	1403394	40.00	ug/L		0.00 102.32%
50) Chlorobenzene-d5	9.92	117	1134531	40.00	ug/L		0.00 103.48%
65) 1,4-Dichlorobenzene-d4	12.87	152	682387	40.00	ug/L		0.00 97.43%
System Monitoring Compounds							
30) #Dibromofluoromethane	4.25	111	338749	39.05	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.63%				
37) #1,2-Dichloroethane-d4	4.82	67	177571	38.72	ug/L		0.00
Spiked Amount 40.000			Recovery = 96.80%				
46) #Toluene-d8	7.99	98	1376185	40.57	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.43%				
64) #4-Bromofluorobenzene	11.45	95	551866	38.85	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.13%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.89	85	1580354	185.02	ug/L		98
3) chloromethane	1.01	50	1410595	180.14	ug/L		98
4) vinyl chloride	1.05	62	1756817	181.66	ug/L		97
5) bromomethane	1.23	94	244955	179.13	ug/L		96
6) chloroethane	1.28	64	559612	118.56	ug/L		97
7) dichlorofluoromethane	1.41	67	2451565	167.75	ug/L		100
8) trichlorofluoromethane	1.43	101	2337887	186.84	ug/L		100
9) ethyl ether	1.63	74	816727	182.90	ug/L		87
10) acrolein	1.72	56	135017	205.71	ug/L	#	94
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	1331587	165.70	ug/L		95
12) 1,1-dichloroethene	1.77	96	1235080	162.31	ug/L	#	86
13) acetone	1.84	43	474653	127.21	ug/L		73
14) iodomethane	1.88	142	1928667	196.98	ug/L		93
15) carbon disulfide	1.91	76	4168760	164.68	ug/L		100
16) methyl acetate	2.09	43	606082	211.78	ug/L	#	91
17) methylene chloride	2.15	49	1389656	157.16	ug/L		87
18) acrylonitrile	2.40	53	401147	167.39	ug/L		93
19) trans-1,2-dichloroethene	2.38	96	1484504	158.41	ug/L		90
20) methyl (tert) butyl ether	2.39	73	3033623	192.37	ug/L		96
21) 1,1-dichloroethane	2.79	63	2788576	195.33	ug/L		98
22) vinyl acetate	2.89	43	2268331	223.84	ug/L		96
23) 2,2-dichloropropane	3.47	77	1813266	224.35	ug/L		89
24) cis-1,2-dichloroethene	3.49	96	1971702	203.44	ug/L		90
25) 2-butanone (MEK)	3.58	43	628046	194.61	ug/L		94
26) bromochloromethane	3.83	49	1095788	175.45	ug/L		85
27) tetrahydrofuran	3.90	71	137811	207.28	ug/L	#	86
28) chloroform	3.99	83	2769641	190.33	ug/L		100
29) 1,1,1-trichloroethane	4.20	97	2465918	212.97	ug/L		98
31) cyclohexane	4.24	56	2859904	210.50	ug/L		93
32) carbon tetrachloride	4.45	117	2324747	208.18	ug/L		100
33) 1,1-dichloropropene	4.49	75	2331235	211.67	ug/L		97
34) benzene	4.87	78	6990487	197.95	ug/L		83
35) 1,2-dichloroethane	4.97	62	1730410	187.35	ug/L		87
36) heptane	4.23	57	129003	No Calib		#	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : 200P0419.D
InstName : 323
Acq On : 19 Apr 2012 2:17 pm
Operator : LEW
Sample : 200P0419
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 19 14:36:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A158.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 13:45:57 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	2055630	211.93 ug/L		99
39) methylcyclohexane	6.34	83	3311465	221.78 ug/L		97
40) 1,2-dichloropropane	6.48	63	1589360	208.03 ug/L		97
41) dibromomethane	6.67	93	889923	198.63 ug/L		95
42) bromodichloromethane	6.98	83	2101165	209.00 ug/L		98
43) 2-chloroehtyl vinyl ether	7.54	63	823521	206.08 ug/L		98
44) cis-1,3-dichloropropene	7.67	75	2592369	203.86 ug/L		87
45) 4-methyl-2-pentanone (MIBK	7.96	43	953972	234.29 ug/L	#	97
47) toluene	8.08	91	7356519	191.21 ug/L		97
48) trans-1,3-dichloropropene	8.49	75	2069960	207.85 ug/L		91
49) 1,1,2-trichloroethane	8.72	83	1148557	207.87 ug/L		96
51) tetrachloroethene	8.81	166	2244865	203.78 ug/L		99
52) 1,3-dichloropropane	8.92	76	2416451	204.73 ug/L		100
53) 2-hexanone (MBK)	9.13	43	880479	260.23 ug/L		92
54) dibromochloromethane	9.20	129	1714891	219.12 ug/L		97
55) 1,2-dibromoethane	9.30	109	1328992	214.81 ug/L		98
56) chlorobenzene	9.96	112	5096954	189.06 ug/L		97
57) 1-chlorohexane	10.02	55	1492796	197.59 ug/L		87
58) 1,1,1,2-tetrachloroethane	10.10	131	1825317	217.82 ug/L		94
59) ethylbenzene	10.14	91	8193619	196.81 ug/L		95
60) m+p-xylene	10.31	106	5904503	343.52 ug/L		88
61) o-xylene	10.79	106	3321326	209.77 ug/L	#	85
62) styrene	10.83	104	5630089	207.35 ug/L		89
63) bromoform	11.03	173	1214085	231.26 ug/L		98
66) isopropylbenzene	11.28	105	7390810	197.17 ug/L		95
67) bromobenzene	11.59	77	3187496	211.11 ug/L		96
68) 1,1,2,2-tetrachloroethane	11.73	83	1658818	206.77 ug/L	#	99
69) 1,2,3-trichloropropane	11.73	110	532472	219.92 ug/L		97
70) 1,4-dichloro-2-butene	11.79	53	445253	226.47 ug/L	#	71
71) n-propylbenzene	11.80	120	2515745	212.11 ug/L	#	90
72) 2-chlorotoluene	11.86	126	2192847	206.36 ug/L		98
73) 1,3,5-trimethylbenzene	12.04	105	7121689	207.86 ug/L		92
74) 4-chlorotoluene	12.01	91	6721101	209.90 ug/L		96
75) tert-butylbenzene	12.42	119	6396541	216.43 ug/L		97
76) 1,2,4-trimethylbenzene	12.49	105	7106510	210.23 ug/L		92
77) sec-butylbenzene	12.69	105	9100211	204.58 ug/L		96
78) 1,3-dichlorobenzene	12.78	146	4393426	199.36 ug/L		100
79) 4-isopropyltoluene	12.89	119	6891912	181.77 ug/L		97
80) 1,4-dichlorobenzene	12.91	146	3860585	168.80 ug/L		99
81) 1,2-dichlorobenzene	13.34	146	4083708	208.88 ug/L		99
82) n-butylbenzene	13.40	91	6993317	208.03 ug/L		97
83) hexachloroethane	13.63	201	1480335	236.59 ug/L		94
84) 1,2-dibromo-3-chloropropan	14.32	157	424290	211.59 ug/L		92
85) 1,2,4-trichlorobenzene	15.32	180	2919356	236.89 ug/L		99
86) hexachlorobutadiene	15.55	225	1784556	226.58 ug/L		98
87) naphthalene	15.60	128	5459690	258.66 ug/L		95
88) 1,2,3-trichlorobenzene	15.32	180	2919356	236.89 ug/L		99
89) 2-methylnaphthalene	16.99	142	2582095	202.85 ug/L		94

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

00858

INITIAL CALIBRATION DATA
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Calibration: 2E03002
Calibration Date: 04/30/12 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	~~0.2168301~~	5	6.655747E-02	10	4.751789E-02	20	0.0487605	40	4.471568E-02	100	0.0478166
Benzene	1	0.8719148	5	0.8481319	10	0.9135627	20	0.9350368	40	0.9372733	100	0.9330493
Bromodichloromethane	1	0.2416757	5	0.224776	10	0.2569309	20	0.270833	40	0.2811033	100	0.2954731
Bromoform	1	0.1073564	5	0.1113218	10	0.1260201	20	0.1422092	40	0.1598867	100	0.1859068
Bromomethane	1	0.2413188	5	0.2053568	10	0.1866565	20	0.1735693	40	0.160174	100	0.1634716
Carbon Disulfide	1	0.4883918	5	0.495089	10	0.4412987	20	0.497102	40	0.4865686	100	0.5298608
Carbon Tetrachloride	1	0.2608563	5	0.2694056	10	0.2977674	20	0.3168755	40	0.3288766	100	0.3401382
Chlorobenzene	1	0.7981147	5	0.7633999	10	0.8303722	20	0.8535034	40	0.8593416	100	0.8568198
Chloroethane	1	0.2152689	5	0.1689556	10	0.1793939	20	0.1824862	40	0.1826721	100	0.1817541
Chloroform	1	0.3728175	5	0.3542171	10	0.3788952	20	0.3924453	40	0.394809	100	0.3972126
Chloromethane	1	0.2906531	5	0.2466683	10	0.2639187	20	0.2676274	40	0.2685162	100	0.2669687
Cyclohexane	1	0.3780364	5	0.3670624	10	0.3827337	20	0.403071	40	0.402146	100	0.3968151
1,2-Dibromo-3-chloropropane	1	2.754031E-02	5	5.513806E-02	10	6.244414E-02	20	7.044576E-02	40	7.740545E-02	100	8.605182E-02
Dibromochloromethane	1	0.1967252	5	0.1845015	10	0.211896	20	0.2412291	40	0.2584022	100	0.2778203
1,2-Dibromoethane	1	0.1857961	5	0.1799592	10	0.2007203	20	0.2126683	40	0.2176389	100	0.2176573
1,2-Dichlorobenzene	1	0.9935374	5	0.9466883	10	1.066876	20	1.113035	40	1.114987	100	1.114832
1,3-Dichlorobenzene	1	1.091911	5	1.039295	10	1.153413	20	1.172363	40	1.185793	100	1.183782
1,4-Dichlorobenzene	1	1.175783	5	1.079615	10	1.171834	20	1.194157	40	1.214807	100	1.213611
Dichlorodifluoromethane	1	0.2705804	5	0.2682136	10	0.293672	20	0.3014437	40	0.2999918	100	0.2939053
1,1-Dichloroethane	1	0.3744233	5	0.3614226	10	0.3863515	20	0.3993282	40	0.4007446	100	0.4027544
1,2-Dichloroethane	1	0.2871293	5	0.2717096	10	0.2969789	20	0.3069722	40	0.3095045	100	0.307597
1,1-Dichloroethene	1	0.1961329	5	0.1938991	10	0.2120396	20	0.217228	40	0.2183194	100	0.217654
cis-1,2-Dichloroethene	1	0.2418987	5	0.2216358	10	0.238058	20	0.2441592	40	0.2464917	100	0.2478085
trans-1,2-Dichloroethene	1	0.2095147	5	0.2038089	10	0.2247853	20	0.2292353	40	0.2296554	100	0.2306628
1,2-Dichloropropane	1	0.2048311	5	0.1937212	10	0.2091968	20	0.2154198	40	0.2164108	100	0.216608
cis-1,3-Dichloropropene	1	0.2745057	5	0.2621201	10	0.2965825	20	0.3119408	40	0.3280709	100	0.337368
trans-1,3-Dichloropropene	1	0.2374381	5	0.23433	10	0.2617201	20	0.2868856	40	0.2982998	100	0.3123827
Ethylbenzene	1	1.303475	5	1.297525	10	1.42422	20	1.453873	40	1.469649	100	1.458416
2-Hexanone	1	0.1215871	5	0.1238988	10	0.11389	20	0.136482	40	0.126717	100	0.1343216
Isopropylbenzene	1	2.058116	5	2.023472	10	2.279075	20	2.268295	40	2.312407	100	2.276987
Methyl Acetate	1	~~0.3165247~~	5	0.1350008	10	0.1367823	20	0.1324119	40	0.1276414	100	0.1272171

INITIAL CALIBRATION DATA

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

Calibration: 2E03002

Calibration Date: 04/30/12 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	0.567746	5	0.5041004	10	0.5582305	20	0.5769744	40	0.5894544	100	0.5846673
Methylcyclohexane	1	0.3683123	5	0.3468425	10	0.3789763	20	0.3930187	40	0.3973594	100	0.391161
Methylene Chloride	1	0.5143526	5	0.2995798	10	0.2902434	20	0.2839961	40	0.2790612	100	0.2733459
2-Butanone (MEK)	1	~~0.1693246~~	5	7.855774E-02	10	5.358659E-02	20	6.519911E-02	40	5.957154E-02	100	6.384621E-02
4-Methyl-2-pentanone (MIBK)	1	0.1690124	5	0.1374116	10	0.1311056	20	0.1511734	40	0.144876	100	0.1552711
Styrene	1	0.7811517	5	0.8106152	10	0.9100797	20	0.9472467	40	0.9719077	100	0.9805926
1,1,2,2-Tetrachloroethane	1	0.412583	5	0.3845405	10	0.4258594	20	0.4363059	40	0.4470357	100	0.4481503
Tetrachloroethene	1	0.3817244	5	0.3753715	10	0.4084025	20	0.4164468	40	0.4243581	100	0.4145824
Toluene	1	1.013941	5	0.9209519	10	1.009477	20	1.033894	40	1.030817	100	1.037457
1,2,4-Trichlorobenzene	1	0.5478852	5	0.5034965	10	0.5706467	20	0.6018742	40	0.6236212	100	0.6256291
1,1,1-Trichloroethane	1	0.3495777	5	0.3347711	10	0.3583057	20	0.3745032	40	0.3791262	100	0.3863029
1,1,2-Trichloroethane	1	0.12909	5	0.1188463	10	0.1325293	20	0.1392157	40	0.1419497	100	0.141196
Trichloroethene	1	0.2607225	5	0.2463747	10	0.2682168	20	0.2743659	40	0.2795302	100	0.2772145
Trichlorofluoromethane	1	0.3478827	5	0.365479	10	0.3739303	20	0.39403	40	0.3826954	100	0.3823384
1,1,2-Trichloro-1,2,2-trifluoroe	1	0.2007719	5	0.1984003	10	0.2096473	20	0.2200995	40	0.2177168	100	0.2178267
Vinyl Chloride	1	0.263488	5	0.2788884	10	0.2950687	20	0.3044371	40	0.3059678	100	0.3036261
Xylene (Total)	3	0.509573	15	0.5033751	30	0.5576823	60	0.5714581	120	0.5836749	300	0.5828592
Dibromofluoromethane	40	0.2366363	40	0.2378482	40	0.2391877	40	0.2409085	40	0.2421852	40	0.24602
1,2-Dichloroethane-d4	40	0.2767394	40	0.2774118	40	0.276501	40	0.2794654	40	0.2805849	40	0.2793775
Toluene-d8	40	0.9810413	40	0.9836831	40	0.9794173	40	0.9916577	40	0.9887515	40	0.9885454
4-Bromofluorobenzene	40	0.4845455	40	0.4816173	40	0.4843316	40	0.4874994	40	0.4847014	40	0.489705

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E03002

SDG: KNM040512

Project: KNM

Calibration Date: 04/30/12 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	5.329829E-02										
Benzene	200	0.976209										
Bromodichloromethane	200	0.315475										
Bromoform	200	0.2082635										
Bromomethane	200	0.1841966										
Carbon Disulfide	200	0.5595572										
Carbon Tetrachloride	200	0.3680139										
Chlorobenzene	200	0.9034788										
Chloroethane	200	0.1922542										
Chloroform	200	0.4198647										
Chloromethane	200	0.2811931										
Cyclohexane	200	0.4174388										
1,2-Dibromo-3-chloropropane	200	9.423229E-02										
Dibromochloromethane	200	0.3015682										
1,2-Dibromoethane	200	0.2279961										
1,2-Dichlorobenzene	200	1.150756										
1,3-Dichlorobenzene	200	1.234163										
1,4-Dichlorobenzene	200	1.253282										
Dichlorodifluoromethane	200	0.3061949										
1,1-Dichloroethane	200	0.422678										
1,2-Dichloroethane	200	0.3239922										
1,1-Dichloroethene	200	0.2335552										
cis-1,2-Dichloroethene	200	0.2613085										
trans-1,2-Dichloroethene	200	0.2443419										
1,2-Dichloropropane	200	0.2286302										
cis-1,3-Dichloropropene	200	0.3555143										
trans-1,3-Dichloropropene	200	0.3365501										
Ethylbenzene	200	1.523234										
2-Hexanone	200	0.1445169										
Isopropylbenzene	200	2.352113										
Methyl Acetate	200	0.1357108										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E03002

SDG: KNM040512

Project: KNM

Calibration Date: 04/30/12 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	0.6113305										
Methylcyclohexane	200	0.4105129										
Methylene Chloride	200	0.2831755										
2-Butanone (MEK)	200	6.830702E-02										
4-Methyl-2-pentanone (MIBK)	200	0.1674782										
Styrene	200	1.053938										
1,1,2,2-Tetrachloroethane	200	0.4654956										
Tetrachloroethene	200	0.4341057										
Toluene	200	1.102386										
1,2,4-Trichlorobenzene	200	0.6524396										
1,1,1-Trichloroethane	200	0.4097121										
1,1,2-Trichloroethane	200	0.1487523										
Trichloroethene	200	0.2947181										
Trichlorofluoromethane	200	0.4054968										
1,1,2-Trichloro-1,2,2-trifluoroe	200	0.2307221										
Vinyl Chloride	200	0.3216679										
Xylene (Total)	600	0.6207022										
Dibromofluoromethane	40	0.2486405										
1,2-Dichloroethane-d4	40	0.282445										
Toluene-d8	40	0.999867										
4-Bromofluorobenzene	40	0.494687										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E03002

SDG: KNM040512

Project: KNM

Calibration Date: 04/30/12 00:00

Instrument: 224

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acetone	0.0514444	15.37726	2.51	1.396751E-02	0.99662		0.99	
Benzene	0.916454	4.732172	6.284286	8.562516E-02			15	
Bromodichloromethane	0.2694667	11.59474	8.075714	6.592712E-02			15	
Bromoform	0.1487092	25.63601	12.02143	2.600068E-02	0.99674		SPCC (0.1)	
Bromomethane	0.1878205	14.97169	1.707143	0.4428482			15	
Carbon Disulfide	0.4996954	7.412447	2.664286	0.2012275			15	
Carbon Tetrachloride	0.3117048	12.33498	5.937143	8.096431E-02			15	
Chlorobenzene	0.8378615	5.458842	10.97	1.254283E-02			SPCC (0.3)	
Chloroethane	0.1861121	7.821192	1.79	1.047524E-02			15	
Chloroform	0.3871802	5.393343	5.391428	7.201378E-02			CCC (30)	
Chloromethane	0.2693636	5.133786	1.4	9.227649E-03			SPCC (0.1)	
Cyclohexane	0.3924719	4.40948	5.738571	6.646262E-02			15	
1,2-Dibromo-3-chloropropane	6.760826E-02	32.74513	15.34857	4.469256E-02	0.99805		0.99	
Dibromochloromethane	0.2388775	18.16318	10.20143	3.359668E-02	0.99849		0.99	
1,2-Dibromoethane	0.2060623	8.667165	10.32429	5.381776E-02			15	
1,2-Dichlorobenzene	1.07153	6.968462	14.37	1.803158E-02			15	
1,3-Dichlorobenzene	1.151531	5.675873	13.80143	2.428828E-02			15	
1,4-Dichlorobenzene	1.186156	4.592978	13.92	8.042305E-03			15	
Dichlorodifluoromethane	0.2905717	5.202773	1.225714	0.4359469			15	
1,1-Dichloroethane	0.3925289	5.159336	3.831428	9.929601E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3005548	5.674546	6.338571	0.1084649			15	
1,1-Dichloroethene	0.2126897	6.480652	2.455714	0.2167979			CCC (30)	
cis-1,2-Dichloroethene	0.2430515	4.908305	4.771429	0.0774065			15	
trans-1,2-Dichloroethene	0.224572	6.120151	3.272857	0.1488003			15	
1,2-Dichloropropane	0.2121168	5.172284	7.64	9.25749E-03			CCC (30)	
cis-1,3-Dichloropropene	0.3094432	10.94389	8.711429	0.0389327			15	
trans-1,3-Dichloropropene	0.2810866	13.66485	9.49	1.185501E-02			15	
Ethylbenzene	1.418627	6.058944	11.14	1.273736E-02			CCC (30)	
2-Hexanone	0.1287733	8.015322	10.08857	0.1064949			15	
Isopropylbenzene	2.224352	5.796922	12.27	2.200203E-02			15	
Methyl Acetate	0.1324607	3.138555	2.851667	0.1435126			15	
Methyl tert-Butyl Ether	0.5703576	5.918021	3.28	0.1761865			15	

INITIAL CALIBRATION DATA (Continued)

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E03002

SDG: KNM040512

Project: KNM

Calibration Date: 04/30/12 00:00

Instrument: 224

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Methylcyclohexane	0.3837404	5.49265	7.578571	4.795088E-02			15	
Methylene Chloride	0.3176792	27.42486	2.96	1.891028E-02	0.99966		0.99	
2-Butanone (MEK)	0.0648447	13.00732	4.835	0.1732834			15	
4-Methyl-2-pentanone (MIBK)	0.150904	9.49622	8.964286	6.094527E-02			15	
Styrene	0.9222188	10.50893	11.81286	3.550741E-02			15	
1,1,2,2-Tetrachloroethane	0.4314243	6.199549	12.66857	2.654436E-02			SPCC (0.3)	
Tetrachloroethene	0.4078559	5.314363	9.86	2.088028E-02			15	
Toluene	1.021275	5.265215	9.14	1.708004E-02			CCC (30)	
1,2,4-Trichlorobenzene	0.5893704	8.780406	16.37143	2.529681E-02			15	
1,1,1-Trichloroethane	0.3703284	6.742267	5.66	1.325136E-02			15	
1,1,2-Trichloroethane	0.1359399	7.290781	9.71	1.811764E-02			15	
Trichloroethene	0.2715918	5.629536	7.322857	6.431539E-02			15	
Trichlorofluoromethane	0.3788361	4.972791	1.992857	0.24441			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2135978	5.342865	2.458571	0.152449			15	
Vinyl Chloride	0.2961634	6.521233	1.448571	0.2613189			CCC (30)	
Xylene (Total)	0.5613321	7.502429	11.79286	4.545631E-02			15	
Dibromofluoromethane	0.2416323	1.807555	5.675714	9.237327E-02			15	
1,2-Dichloroethane-d4	0.2789321	0.7825266	6.212857	8.033681E-02			15	
Toluene-d8	0.9875662	0.709405	9.055715	6.126923E-02			15	
4-Bromofluorobenzene	0.4867267	0.8937476	12.44286	3.861575E-02			15	

Response Factor Report 224

2E03002
TCLP 2E08009
AIX 2E09002

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 8260B-B23.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Wed May 02 10:57:42 2012
Response Via : Initial Calibration

Calibration Files
1 =1P0430.D 2 =5P0430.D 3 =10P0430.D
4 =20P0430.D 5 =40P0430.D 6 =100P0430.D
7 =200P0430.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Fluorobenzene	ISTD								
2)		dichlorodifluor	0.271	0.268	0.294	0.301	0.300	0.294	0.306	0.291	5.20
3)	P	chloromethane	0.291	0.247	0.264	0.268	0.269	0.267	0.281	0.269	5.13
4)	C	vinyl chloride	0.263	0.279	0.295	0.304	0.306	0.304	0.322	0.296	6.52#
5)		bromomethane	0.241	0.205	0.187	0.174	0.160	0.163	0.184	0.188	14.97
6)		chloroethane	0.215	0.169	0.179	0.182	0.183	0.182	0.192	0.186	7.82
7)		dichlorofluorom	0.406	0.363	0.389	0.399	0.396	0.394	0.416	0.395	4.18
8)		trichlorofluoro	0.348	0.365	0.374	0.394	0.383	0.382	0.405	0.379	4.97
9)		ethyl ether	0.106	0.099	0.111	0.114	0.116	0.114	0.122	0.112	6.80
10)		acrolein	0.027	0.023	0.025	0.025	0.026	0.026	0.028	0.026	6.12
11)		1,1,2-trichloro	0.201	0.198	0.210	0.220	0.218	0.218	0.231	0.214	5.34
12)	C	1,1-dichloroeth	0.196	0.194	0.212	0.217	0.218	0.218	0.234	0.213	6.48#
13)		acetone		0.067	0.048	0.049	0.045	0.048	0.053	-----	
								L	M= 0.053	R=0.997	
									B= -0.004		
14)		iodomethane	0.055	0.109	0.178	0.273	0.315	0.354	0.367	-----	
								L	M= 0.373	R=0.999	
									B= -0.039		
15)		carbon disulfid	0.488	0.495	0.441	0.497	0.487	0.530	0.560	0.500	7.41
16)		methyl acetate		0.135	0.137	0.132	0.128	0.127	0.136	0.132	3.14
17)		methylene chlor	0.514	0.300	0.290	0.284	0.279	0.273	0.283	-----	
								L	M= 0.281	R=1.000	
									B= -0.000		
18)		acrylonitrile	0.052	0.052	0.061	0.061	0.063	0.063	0.067	0.060	9.60
19)		trans-1,2-dichl	0.210	0.204	0.225	0.229	0.230	0.231	0.244	0.225	6.12
20)		methyl (tert) b	0.568	0.504	0.558	0.577	0.589	0.585	0.611	0.570	5.92
21)	P	1,1-dichloroeth	0.374	0.361	0.386	0.399	0.401	0.403	0.423	0.393	5.16
22)		vinyl acetate	0.377	0.353	0.329	0.376	0.354	0.392	0.425	0.372	8.27
23)		2,2-dichloropro	0.315	0.299	0.322	0.331	0.331	0.323	0.325	0.321	3.43
24)		cis-1,2-dichlor	0.242	0.222	0.238	0.244	0.246	0.248	0.261	0.243	4.91
25)		2-butanone (MEK		0.079	0.054	0.065	0.060	0.064	0.068	0.065	13.01
26)		bromochlorometh	0.169	0.156	0.172	0.175	0.177	0.173	0.178	0.171	4.41
27)		tetrahydrofuran			0.016	0.017	0.017	0.018	0.019	0.017	5.34
28)	C	chloroform	0.373	0.354	0.379	0.392	0.395	0.397	0.420	0.387	5.39#
29)	S	#Dibromofluorom	0.237	0.238	0.239	0.241	0.242	0.246	0.249	0.242	1.81
30)		1,1,1-trichloro	0.350	0.335	0.358	0.375	0.379	0.386	0.410	0.370	6.74
31)		cyclohexane	0.378	0.367	0.383	0.403	0.402	0.397	0.417	0.392	4.41
32)		carbon tetrachl	0.261	0.269	0.298	0.317	0.329	0.340	0.368	0.312	12.33
33)		1,1-dichloropro	0.288	0.300	0.318	0.330	0.331	0.328	0.346	0.320	6.27
34)		benzene	0.872	0.848	0.914	0.935	0.937	0.933	0.976	0.916	4.73
35)		1,2-dichloroeth	0.287	0.272	0.297	0.307	0.310	0.308	0.324	0.301	5.67
36)		heptane								0.000	-1.00
37)	s	#1,2-Dichloroet	0.277	0.277	0.277	0.279	0.281	0.279	0.282	0.279	0.78
38)		trichloroethene	0.261	0.246	0.268	0.274	0.280	0.277	0.295	0.272	5.63
39)		methylcyclohexa	0.368	0.347	0.379	0.393	0.397	0.391	0.411	0.384	5.49
40)	C	1,2-dichloropro	0.205	0.194	0.209	0.215	0.216	0.217	0.229	0.212	5.17#
41)		dibromomethane	0.105	0.102	0.114	0.118	0.120	0.121	0.128	0.116	7.95
42)		1,4-dioxane								0.000	-1.00
43)		bromodichlorome	0.242	0.225	0.257	0.271	0.281	0.295	0.315	0.269	11.59
44)		2-chloroethyl v	0.067	0.084	0.082	0.094	0.089	0.092	0.095	0.086	11.54
45)		cis-1,3-dichlor	0.275	0.262	0.297	0.312	0.328	0.337	0.356	0.309	10.94
46)		4-methyl-2-pent	0.169	0.137	0.131	0.151	0.145	0.155	0.167	0.151	9.50
47)	s	#Toluene-d8	0.981	0.984	0.979	0.992	0.989	0.989	1.000	0.988	0.71
48)	C	toluene	1.014	0.921	1.009	1.034	1.031	1.037	1.102	1.021	5.27#
49)		trans-1,3-dichl	0.237	0.234	0.262	0.287	0.298	0.312	0.337	0.281	13.66

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 8260B-B23.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Wed May 02 10:57:42 2012
Response Via : Initial Calibration

50)		1,1,2-trichloro	0.129	0.119	0.133	0.139	0.142	0.141	0.149	0.136	7.29
51)		Chlorobenzene-d5	----------ISTD----------								
52)		tetrachloroethe	0.382	0.375	0.408	0.416	0.424	0.415	0.434	0.408	5.31
53)		1,3-dichloropro	0.366	0.348	0.387	0.403	0.406	0.400	0.416	0.389	6.23
54)		2-hexanone (MBK	0.122	0.124	0.114	0.136	0.127	0.134	0.145	0.129	8.02
55)		dibromochlorome	0.197	0.185	0.212	0.241	0.258	0.278	0.302	-----	
								L M= 0.302 R=0.998			
								B= -0.026			
56)		1,2-dibromoetha	0.186	0.180	0.201	0.213	0.218	0.218	0.228	0.206	8.67
57)		chlorobenzene	0.798	0.763	0.830	0.854	0.859	0.857	0.903	0.838	5.46
58)		1-chlorohexane	0.275	0.253	0.272	0.284	0.286	0.279	0.292	0.277	4.57
59)		1,1,1,2-tetrach	0.220	0.228	0.252	0.275	0.288	0.298	0.321	0.269	13.89
60)	C	ethylbenzene	1.303	1.298	1.424	1.454	1.470	1.458	1.523	1.419	6.06#
61)		m+p-xylene	0.524	0.515	0.570	0.581	0.595	0.593	0.632	0.573	7.22
62)		o-xylene	0.481	0.481	0.534	0.552	0.560	0.562	0.599	0.538	8.13
63)		styrene	0.781	0.811	0.910	0.947	0.972	0.981	1.054	0.922	10.51
64)	P	bromoform	0.107	0.111	0.126	0.142	0.160	0.186	0.208	-----	
								L M= 0.209 R=0.997			
								B= -0.026			
65)	S	#4-Bromofluorob	0.485	0.482	0.484	0.487	0.485	0.490	0.495	0.487	0.89
66)	I	1,4-Dichlorobenzene-d	----------ISTD----------								
67)		isopropylbenzen	2.058	2.023	2.279	2.268	2.312	2.277	2.352	2.224	5.80
68)		bromobenzene	0.843	0.824	0.913	0.911	0.913	0.901	0.931	0.891	4.54
69)	P	1,1,2,2-tetrach	0.413	0.385	0.426	0.436	0.447	0.448	0.465	0.431	6.20
70)		1,2,3-trichloro	0.147	0.135	0.151	0.154	0.157	0.157	0.161	0.152	5.80
71)		1,4-dichloro-2-	0.059	0.084	0.110	0.117	0.130	0.139	0.146	-----	
								L M= 0.147 R=0.999			
								B= -0.011			
72)		n-propylbenzene	0.600	0.593	0.657	0.669	0.679	0.671	0.696	0.652	6.08
73)		2-chlorotoluene	0.558	0.529	0.576	0.581	0.590	0.584	0.606	0.575	4.35
74)		1,3,5-trimethyl	1.669	1.621	1.819	1.869	1.904	1.885	1.969	1.819	7.04
75)		4-chlorotoluene	0.575	0.538	0.591	0.600	0.610	0.608	0.634	0.594	5.15
76)		tert-butylbenze	1.484	1.438	1.621	1.609	1.662	1.634	1.703	1.593	6.04
77)		1,2,4-trimethyl	1.642	1.651	1.861	1.892	1.930	1.920	1.993	1.841	7.55
78)		sec-butylbenzen	1.887	1.863	2.093	2.125	2.178	2.158	2.253	2.080	7.14
79)		1,3-dichloroben	1.092	1.039	1.153	1.172	1.186	1.184	1.234	1.152	5.68
80)		4-isopropyltolu	1.647	1.633	1.829	1.874	1.916	1.924	2.003	1.832	7.72
81)		1,4-dichloroben	1.176	1.080	1.172	1.194	1.215	1.214	1.253	1.186	4.59
82)		1,2-dichloroben	0.994	0.947	1.067	1.113	1.115	1.115	1.151	1.072	6.97
83)		n-butylbenzene	1.172	1.154	1.337	1.391	1.432	1.439	1.492	1.345	9.91
84)		hexachloroethan	0.154	0.156	0.176	0.193	0.227	0.263	0.298	-----	
								L M= 0.299 R=0.996			
								B= -0.039			
85)		1,2-dibromo-3-c	0.028	0.055	0.062	0.070	0.077	0.086	0.094	-----	
								L M= 0.095 R=0.998			
								B= -0.010			
86)		1,2,4-trichloro	0.548	0.503	0.571	0.602	0.624	0.626	0.652	0.589	8.78
87)		hexachlorobutad	0.284	0.271	0.295	0.303	0.309	0.312	0.322	0.299	5.76
88)		naphthalene	0.842	0.807	0.952	1.029	1.085	1.104	1.159	0.997	13.47
89)		1,2,3-trichloro	0.376	0.358	0.406	0.431	0.453	0.454	0.474	0.422	10.29
90)		2-methylnaphtha		0.124	0.168	0.211	0.237	0.248	0.254	-----	
								L M= 0.258 R=1.000			
								B= -0.022			

Total Average %RSD 6.80

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

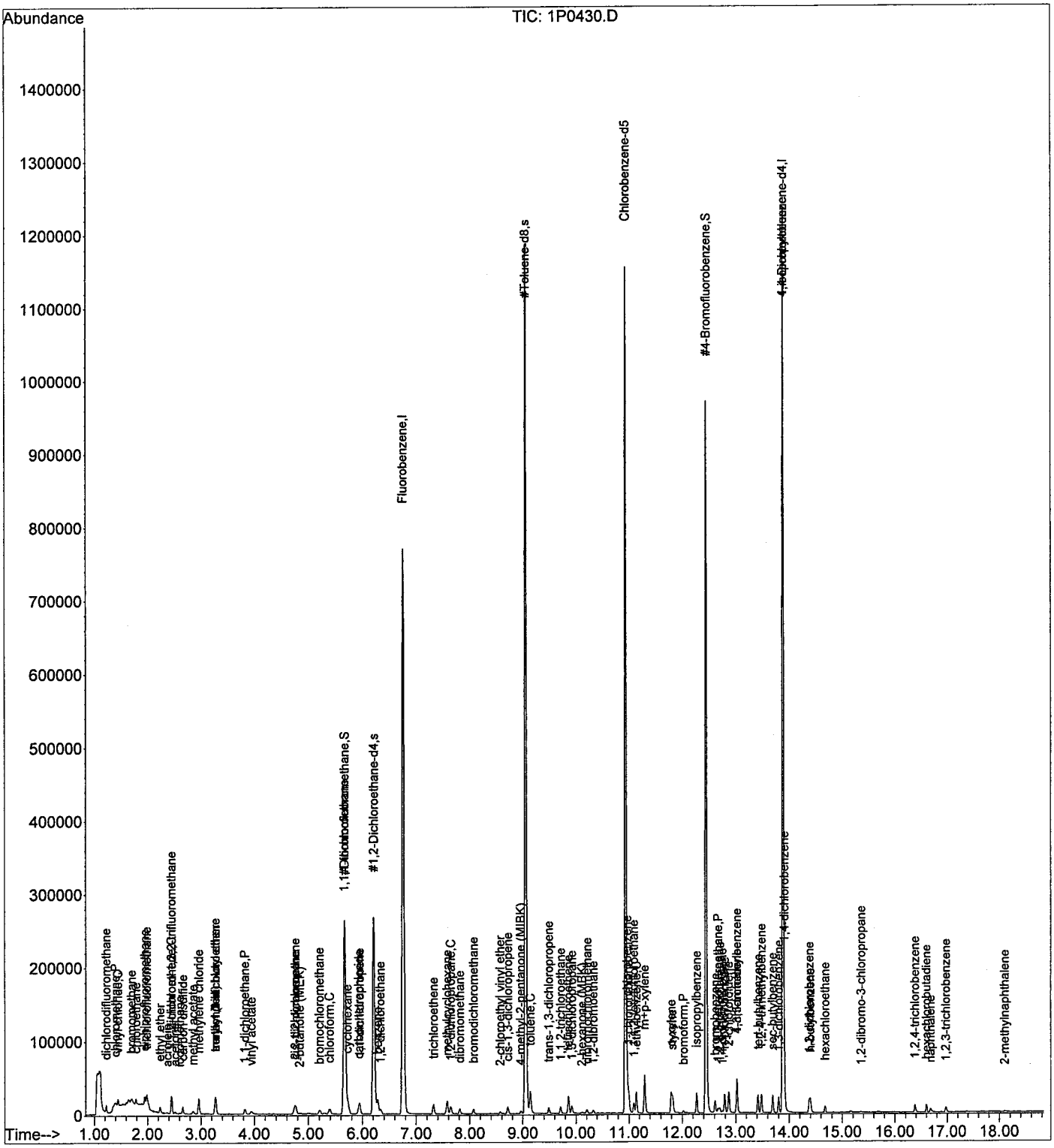
8260B-B23.M Thu May 03 10:31:32 2012

00866

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 1P0430.D
Acq On : 30 Apr 2012 9:31
Operator : DLV
Sample : CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 30 13:24:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration



00867

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 1P0430.D
Acq On : 30 Apr 2012 9:31
Operator : DLV
Sample : CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 30 13:24:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.75	96	896739	40.00	ug/L	0.00 88.02%
51) Chlorobenzene-d5	10.94	117	702706	40.00	ug/L	0.00 89.35%
66) 1,4-Dichlorobenzene-d4	13.89	152	383438	40.00	ug/L	0.00 88.16%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.67	111	212201	38.61	ug/L	0.00
Spiked Amount 40.000			Recovery =	96.52%		
37) #1,2-Dichloroethane-d4	6.21	65	248163	36.82	ug/L	0.00
Spiked Amount 40.000			Recovery =	92.05%		
47) #Toluene-d8	9.05	98	879738	38.77	ug/L	0.00
Spiked Amount 40.000			Recovery =	96.93%		
65) #4-Bromofluorobenzene	12.45	95	340493	38.81	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.03%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.22	85	6066	0.85	ug/L	96
3) chloromethane	1.40	50	6516	0.94	ug/L	85
4) vinyl chloride	1.45	62	5907	0.83	ug/L	64
5) bromomethane	1.71	94	5410	1.23	ug/L	99
6) chloroethane	1.79	64	4826	1.07	ug/L	94
7) dichlorofluoromethane	1.95	67	9095	0.91	ug/L	94
8) trichlorofluoromethane	1.99	101	7799	0.78	ug/L	99
9) ethyl ether	2.24	74	2372	0.91	ug/L	90
10) acrolein	2.36	56	616	1.05	ug/L #	65
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	4501	0.94	ug/L	97
12) 1,1-dichloroethene	2.45	96	4397	0.96	ug/L	90
13) acetone	2.52	43	4861	4.01	ug/L	67
14) iodomethane	2.61	142	1229	1.28	ug/L #	61
15) carbon disulfide	2.66	76	10949	0.92	ug/L	99
16) methyl acetate	2.85	43	7096	2.26	ug/L	83
17) methylene chloride	2.96	49	11531	1.46	ug/L	91
18) acrylonitrile	3.27	53	1170	0.78	ug/L #	80
19) trans-1,2-dichloroethene	3.27	96	4697	0.95	ug/L	90
20) methyl (tert) butyl ether	3.27	73	12728	1.18	ug/L	97
21) 1,1-dichloroethane	3.83	63	8394	0.94	ug/L	99
22) vinyl acetate	3.94	43	8442	5.21	ug/L	88
23) 2,2-dichloropropane	4.75	77	7055	1.27	ug/L	88
24) cis-1,2-dichloroethene	4.77	96	5423	1.03	ug/L #	88
25) 2-butanone (MEK)	4.85	43	3796	2.61	ug/L #	58
26) bromochloromethane	5.21	49	3784	0.88	ug/L	93
27) tetrahydrofuran	0.00	71	0	N.D.		
28) chloroform	5.39	83	8358	0.95	ug/L	98
30) 1,1,1-trichloroethane	5.66	97	7837	1.01	ug/L	90
31) cyclohexane	5.73	56	8475	0.94	ug/L	95
32) carbon tetrachloride	5.93	117	5848	0.81	ug/L	100
33) 1,1-dichloropropene	5.96	75	6452	0.89	ug/L	98
34) benzene	6.29	78	19547	0.93	ug/L	98
35) 1,2-dichloroethane	6.33	62	6437	0.88	ug/L	80
36) heptane	6.76	57	28653	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 1P0430.D
Acq On : 30 Apr 2012 9:31
Operator : DLV
Sample : CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 30 13:24:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.33	130	5845	0.98	ug/L		94
39) methylcyclohexane	7.58	83	8257	1.00	ug/L		97
40) 1,2-dichloropropane	7.64	63	4592	0.92	ug/L	#	86
41) dibromomethane	7.82	93	2359	0.87	ug/L		89
42) 1,4-dioxane	0.00	88	0	N.D.			
43) bromodichloromethane	8.08	83	5418	0.84	ug/L		93
44) 2-chloroethyl vinyl ether	8.58	63	1499	0.78	ug/L		82
45) cis-1,3-dichloropropene	8.72	75	6154	0.93	ug/L		90
46) 4-methyl-2-pentanone (MIBK	8.97	43	3789	5.32	ug/L		81
48) toluene	9.14	91	22731	0.99	ug/L		98
49) trans-1,3-dichloropropene	9.49	75	5323	4.26	ug/L		95
50) 1,1,2-trichloroethane	9.71	83	2894	0.88	ug/L		96
52) tetrachloroethene	9.86	166	6706	0.96	ug/L		98
53) 1,3-dichloropropane	9.92	76	6431	0.88	ug/L		100
54) 2-hexanone (MBK)	10.11	43	2136	6.32	ug/L	#	62
55) dibromochloromethane	10.21	129	3456	0.76	ug/L		97
56) 1,2-dibromoethane	10.33	109	3264	0.87	ug/L	#	97
57) chlorobenzene	10.97	112	14021	0.94	ug/L		96
58) 1-chlorohexane	11.00	55	4830	0.92	ug/L		97
59) 1,1,1,2-tetrachloroethane	11.09	131	3858	0.78	ug/L		88
60) ethylbenzene	11.14	91	22899	0.90	ug/L		98
61) m+p-xylene	11.30	106	18408	1.88	ug/L		97
62) o-xylene	11.80	106	8448	0.93	ug/L		95
63) styrene	11.82	104	13723	0.88	ug/L		99
64) bromoform	12.02	173	1886	3.75	ug/L	#	85
67) isopropylbenzene	12.27	105	19729	0.94	ug/L		98
68) bromobenzene	12.61	77	8083	0.87	ug/L		93
69) 1,1,2,2-tetrachloroethane	12.67	83	3955	0.84	ug/L	#	93
70) 1,2,3-trichloropropane	12.70	110	1407	0.90	ug/L	#	84
71) 1,4-dichloro-2-butene	12.75	53	566	4.02	ug/L	#	24
72) n-propylbenzene	12.79	120	5756	0.94	ug/L	#	85
73) 2-chlorotoluene	12.88	126	5350	0.97	ug/L		100
74) 1,3,5-trimethylbenzene	13.02	105	15999	0.92	ug/L		99
75) 4-chlorotoluene	13.02	126	5510	0.98	ug/L		96
76) tert-butylbenzene	13.42	119	14227	0.95	ug/L		98
77) 1,2,4-trimethylbenzene	13.48	105	15738	0.89	ug/L		99
78) sec-butylbenzene	13.70	105	18088	0.91	ug/L		98
79) 1,3-dichlorobenzene	13.81	146	10467	0.96	ug/L		98
80) 4-isopropyltoluene	13.89	119	15791	0.90	ug/L		93
81) 1,4-dichlorobenzene	13.92	146	11271	0.98	ug/L	#	74
82) 1,2-dichlorobenzene	14.37	146	9524	0.92	ug/L		98
83) n-butylbenzene	14.41	91	11230	3.01	ug/L		99
84) hexachloroethane	14.69	201	1479	4.78	ug/L	#	73
85) 1,2-dibromo-3-chloropropan	15.36	157	264	4.04	ug/L	#	67
86) 1,2,4-trichlorobenzene	16.38	180	5252	3.32	ug/L		93
87) hexachlorobutadiene	16.60	225	2723	0.97	ug/L		96
88) naphthalene	16.68	128	8076	3.96	ug/L		85
89) 1,2,3-trichlorobenzene	16.97	180	3605	0.78	ug/L		93
90) 2-methylnaphthalene	18.10	142	1169	5.19	ug/L	#	75

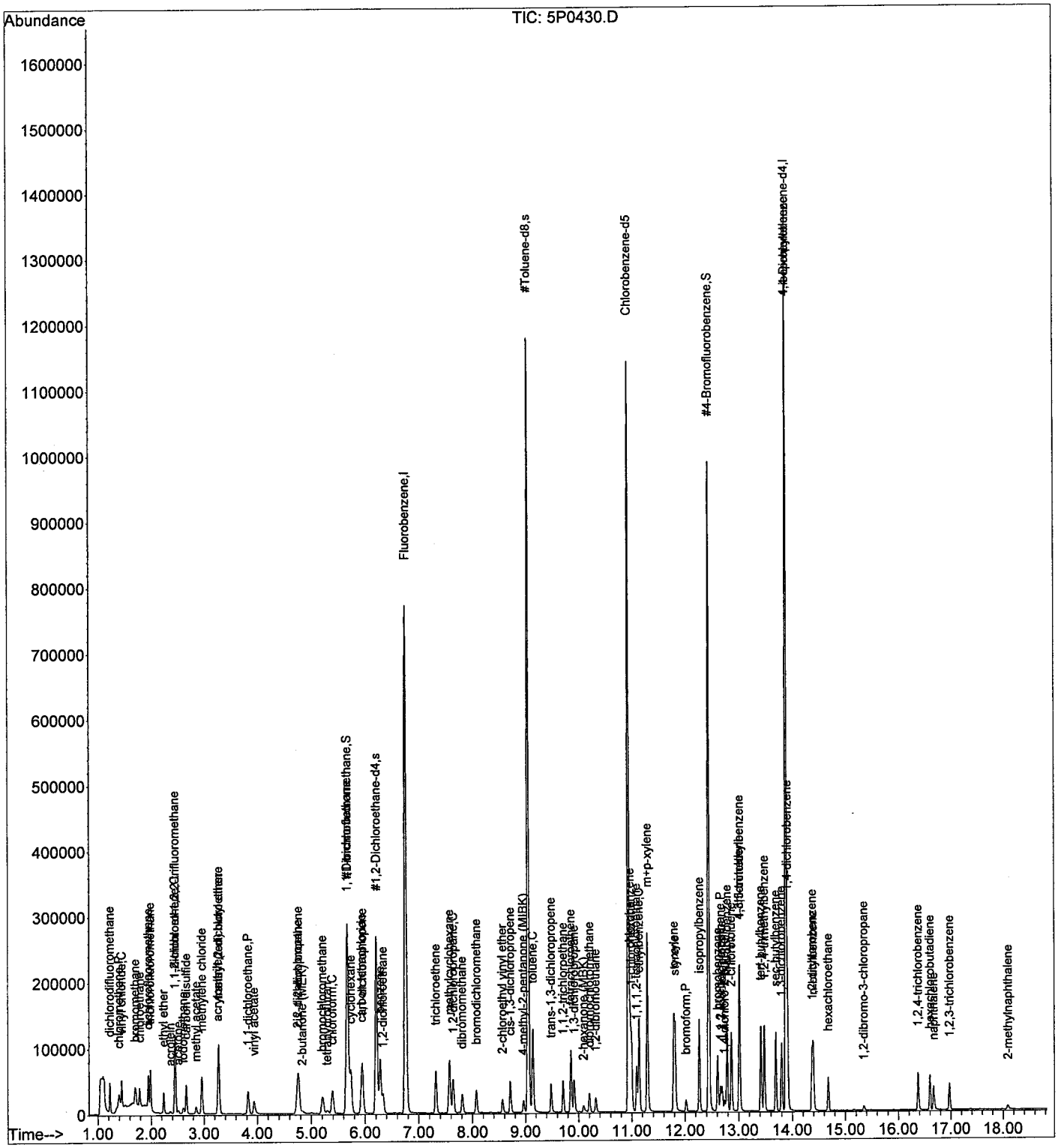
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00869

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 5P0430.D
Acq On : 30 Apr 2012 9:59
Operator : DLV
Sample : CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 30 13:24:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration



00870

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 5P0430.D
Acq On : 30 Apr 2012 9:59
Operator : DLV
Sample : CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 30 13:24:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	899313	40.00	ug/L	0.00 88.27%
51) Chlorobenzene-d5	10.94	117	700959	40.00	ug/L	0.00 89.12%
66) 1,4-Dichlorobenzene-d4	13.89	152	387101	40.00	ug/L	0.00 89.01%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.67	111	213900	38.80	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.00%		
37) #1,2-Dichloroethane-d4	6.21	65	249480	36.91	ug/L	0.00
Spiked Amount 40.000			Recovery =	92.27%		
47) #Toluene-d8	9.05	98	884639	38.87	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.17%		
65) #4-Bromofluorobenzene	12.44	95	337594	38.57	ug/L	0.00
Spiked Amount 40.000			Recovery =	96.43%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.22	85	30151	4.21	ug/L	98
3) chloromethane	1.40	50	27729	3.99	ug/L	94
4) vinyl chloride	1.44	62	31351	4.40	ug/L	99
5) bromomethane	1.69	94	23085	6.08	ug/L	98
6) chloroethane	1.79	64	18993	4.20	ug/L	97
7) dichlorofluoromethane	1.95	67	40814	4.07	ug/L	99
8) trichlorofluoromethane	1.99	101	41085	4.08	ug/L	99
9) ethyl ether	2.24	74	11101	4.26	ug/L	97
10) acrolein	2.37	56	2636	4.50	ug/L #	88
11) 1,1,2-trichloro-1,2,2-trif	2.45	101	22303	4.63	ug/L	95
12) 1,1-dichloroethene	2.45	96	21797	4.73	ug/L	90
13) acetone	2.51	43	7482	6.15	ug/L	90
14) iodomethane	2.61	142	12201	2.70	ug/L	96
15) carbon disulfide	2.66	76	55655	4.64	ug/L	100
16) methyl acetate	2.85	43	15176	4.82	ug/L	95
17) methylene chloride	2.96	49	33677	4.74	ug/L	94
18) acrylonitrile	3.25	53	5854	3.88	ug/L	97
19) trans-1,2-dichloroethene	3.27	96	22911	4.61	ug/L	93
20) methyl (tert) butyl ether	3.28	73	56668	5.24	ug/L	99
21) 1,1-dichloroethane	3.83	63	40629	4.51	ug/L	99
22) vinyl acetate	3.94	43	39735	8.59	ug/L	100
23) 2,2-dichloropropane	4.75	77	33640	6.06	ug/L	100
24) cis-1,2-dichloroethene	4.77	96	24915	4.73	ug/L	94
25) 2-butanone (MEK)	4.84	43	8831	6.04	ug/L	93
26) bromochloromethane	5.21	49	17501	4.06	ug/L	88
27) tetrahydrofuran	5.28	71	616	5.68	ug/L #	1
28) chloroform	5.39	83	39819	4.50	ug/L	96
30) 1,1,1-trichloroethane	5.66	97	37633	4.82	ug/L	96
31) cyclohexane	5.74	56	41263	4.58	ug/L	96
32) carbon tetrachloride	5.93	117	30285	4.20	ug/L	99
33) 1,1-dichloropropene	5.95	75	33748	4.63	ug/L	97
34) benzene	6.28	78	95342	4.54	ug/L	99
35) 1,2-dichloroethane	6.34	62	30544	4.18	ug/L	98
36) heptane	6.76	57	29762	No Calib		

00871

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 5P0430.D
Acq On : 30 Apr 2012 9:59
Operator : DLV
Sample : CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 30 13:24:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.33	130	27696	4.64	ug/L		97
39) methylcyclohexane	7.57	83	38990	4.69	ug/L		97
40) 1,2-dichloropropane	7.64	63	21777	4.35	ug/L		100
41) dibromomethane	7.81	93	11508	4.24	ug/L		96
42) 1,4-dioxane	0.00	88	0	N.D.			
43) bromodichloromethane	8.07	83	25268	3.91	ug/L		95
44) 2-chloroethyl vinyl ether	8.56	63	9398	4.86	ug/L		96
45) cis-1,3-dichloropropene	8.71	75	29466	4.43	ug/L		96
46) 4-methyl-2-pentanone (MIBK	8.97	43	15447	8.05	ug/L		99
48) toluene	9.14	91	103528	4.51	ug/L		100
49) trans-1,3-dichloropropene	9.49	75	26342	7.05	ug/L		98
50) 1,1,2-trichloroethane	9.71	83	13360	4.07	ug/L		98
52) tetrachloroethene	9.86	166	32890	4.71	ug/L		99
53) 1,3-dichloropropane	9.92	76	30490	4.16	ug/L		100
54) 2-hexanone (MBK)	10.09	43	10856	9.25	ug/L		91
55) dibromochloromethane	10.20	129	16166	3.59	ug/L		99
56) 1,2-dibromoethane	10.33	109	15768	4.23	ug/L		98
57) chlorobenzene	10.97	112	66889	4.48	ug/L		94
58) 1-chlorohexane	11.00	55	22159	4.21	ug/L		92
59) 1,1,1,2-tetrachloroethane	11.09	131	19980	4.05	ug/L		98
60) ethylbenzene	11.14	91	113689	4.49	ug/L		99
61) m+p-xylene	11.30	106	90189	9.22	ug/L		98
62) o-xylene	11.80	106	42128	4.64	ug/L		98
63) styrene	11.82	104	71026	4.55	ug/L		94
64) bromoform	12.02	173	9754	5.96	ug/L		97
67) isopropylbenzene	12.27	105	97911	4.64	ug/L		99
68) bromobenzene	12.61	77	39878	4.27	ug/L		95
69) 1,1,2,2-tetrachloroethane	12.67	83	18607	3.90	ug/L	#	95
70) 1,2,3-trichloropropane	12.70	110	6509	4.12	ug/L		95
71) 1,4-dichloro-2-butene	12.75	53	4043	6.12	ug/L	#	77
72) n-propylbenzene	12.79	120	28692	4.64	ug/L	#	91
73) 2-chlorotoluene	12.87	126	25592	4.59	ug/L		94
74) 1,3,5-trimethylbenzene	13.02	105	78423	4.45	ug/L		99
75) 4-chlorotoluene	13.01	126	26047	4.59	ug/L		98
76) tert-butylbenzene	13.42	119	69578	4.61	ug/L		99
77) 1,2,4-trimethylbenzene	13.48	105	79900	4.50	ug/L		100
78) sec-butylbenzene	13.69	105	90141	4.52	ug/L		98
79) 1,3-dichlorobenzene	13.80	146	50289	4.57	ug/L		99
80) 4-isopropyltoluene	13.89	119	79023	4.48	ug/L		99
81) 1,4-dichlorobenzene	13.92	146	52240	4.52	ug/L		98
82) 1,2-dichlorobenzene	14.37	146	45808	4.37	ug/L		98
83) n-butylbenzene	14.40	91	55853	5.83	ug/L		97
84) hexachloroethane	14.68	201	7542	6.90	ug/L	#	80
85) 1,2-dibromo-3-chloropropan	15.35	157	2668	6.36	ug/L		85
86) 1,2,4-trichlorobenzene	16.37	180	24363	6.12	ug/L		98
87) hexachlorobutadiene	16.61	225	13125	4.64	ug/L		98
88) naphthalene	16.67	128	39068	6.20	ug/L		97
89) 1,2,3-trichlorobenzene	16.97	180	17306	3.70	ug/L		99
90) 2-methylnaphthalene	18.09	142	5985	6.41	ug/L		96

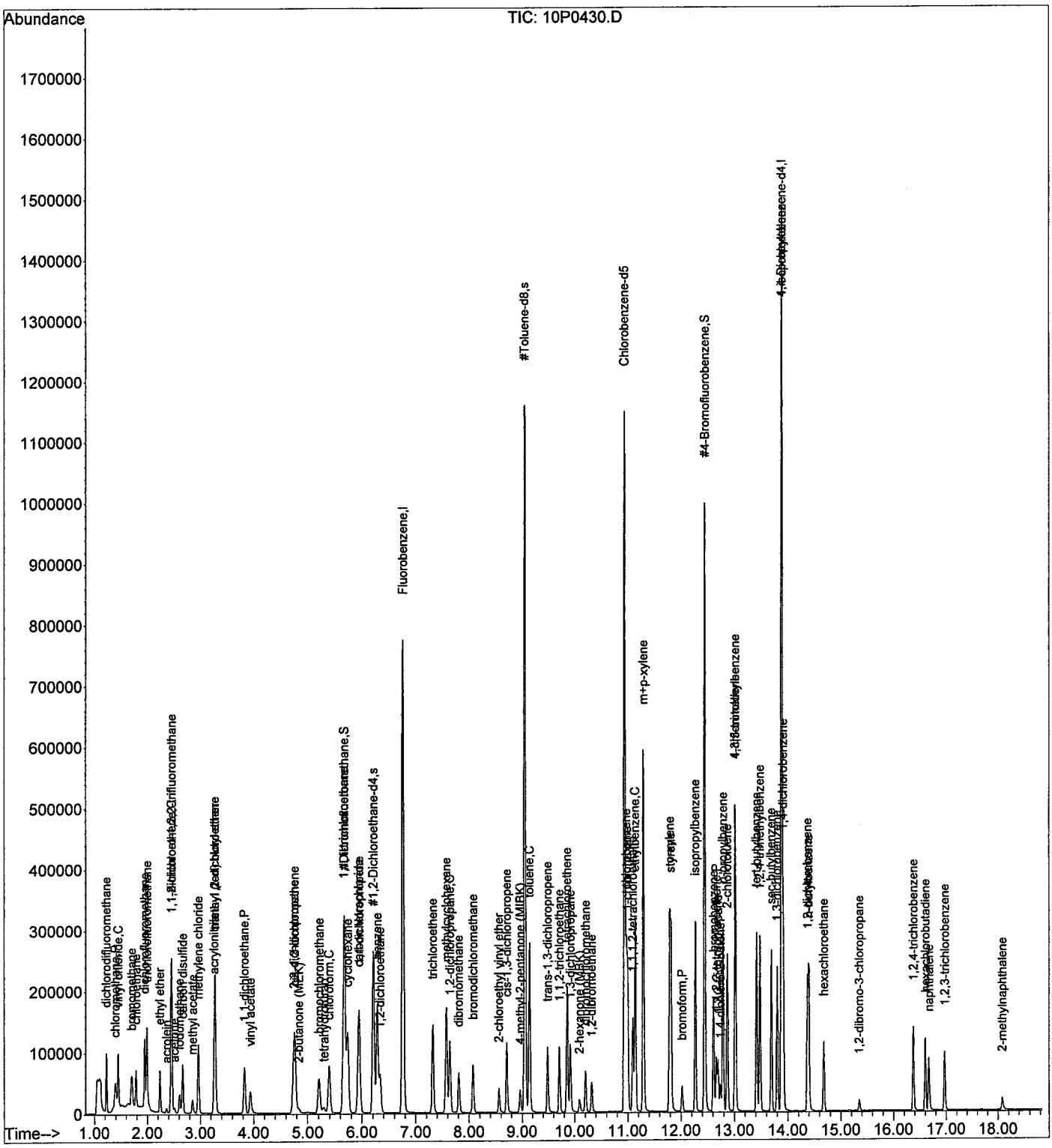
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00872

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 10P0430.D
Acq On : 30 Apr 2012 10:27
Operator : DLV
Sample : CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 30 10:46:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration



00873

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 10P0430.D
Acq On : 30 Apr 2012 10:27
Operator : DLV
Sample : CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 30 10:46:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	887834	40.00	ug/L	0.00 87.15%
51) Chlorobenzene-d5	10.94	117	695794	40.00	ug/L	0.00 88.47%
66) 1,4-Dichlorobenzene-d4	13.89	152	381525	40.00	ug/L	0.00 87.72%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.67	111	212359	39.02	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.55%		
37) #1,2-Dichloroethane-d4	6.21	65	245487	36.78	ug/L	0.00
Spiked Amount 40.000			Recovery =	91.95%		
47) #Toluene-d8	9.06	98	869560	38.70	ug/L	0.00
Spiked Amount 40.000			Recovery =	96.75%		
65) #4-Bromofluorobenzene	12.44	95	336995	38.79	ug/L	0.00
Spiked Amount 40.000			Recovery =	96.97%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.22	85	65183	9.21	ug/L	99
3) chloromethane	1.40	50	58579	8.53	ug/L	99
4) vinyl chloride	1.45	62	65493	9.32	ug/L	96
5) bromomethane	1.71	94	41430	11.27	ug/L	98
6) chloroethane	1.79	64	39818	8.91	ug/L	97
7) dichlorofluoromethane	1.95	67	86253	8.70	ug/L	99
8) trichlorofluoromethane	1.99	101	82997	8.35	ug/L	99
9) ethyl ether	2.24	74	24693	9.59	ug/L	95
10) acrolein	2.36	56	5546	9.59	ug/L #	91
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	46533	9.78	ug/L	96
12) 1,1-dichloroethene	2.45	96	47064	10.34	ug/L	88
13) acetone	2.51	43	10547	8.78	ug/L	97
14) iodomethane	2.61	142	39421	6.28	ug/L	97
15) carbon disulfide	2.66	76	97950	8.28	ug/L	99
16) methyl acetate	2.85	43	30360	9.76	ug/L	97
17) methylene chloride	2.96	49	64422	9.42	ug/L	92
18) acrylonitrile	3.25	53	13458	9.03	ug/L	96
19) trans-1,2-dichloroethene	3.27	96	49893	10.18	ug/L	91
20) methyl (tert) butyl ether	3.28	73	123904	11.61	ug/L	98
21) 1,1-dichloroethane	3.83	63	85754	9.65	ug/L	99
22) vinyl acetate	3.94	43	73129	12.30	ug/L	99
23) 2,2-dichloropropane	4.75	77	71508	13.05	ug/L	99
24) cis-1,2-dichloroethene	4.77	96	52839	10.17	ug/L	95
25) 2-butanone (MEK)	4.85	43	11894	8.25	ug/L	92
26) bromochloromethane	5.21	49	38235	8.99	ug/L	88
27) tetrahydrofuran	5.30	71	3648	12.81	ug/L	92
28) chloroform	5.39	83	84099	9.62	ug/L	100
30) 1,1,1-trichloroethane	5.66	97	79529	10.32	ug/L	96
31) cyclohexane	5.74	56	84951	9.55	ug/L	94
32) carbon tetrachloride	5.94	117	66092	9.28	ug/L	100
33) 1,1-dichloropropene	5.96	75	70489	9.80	ug/L	97
34) benzene	6.28	78	202773	9.79	ug/L	99
35) 1,2-dichloroethane	6.33	62	65917	9.13	ug/L	97
36) heptane	6.76	57	28884	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 10P0430.D
Acq On : 30 Apr 2012 10:27
Operator : DLV
Sample : CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 30 10:46:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

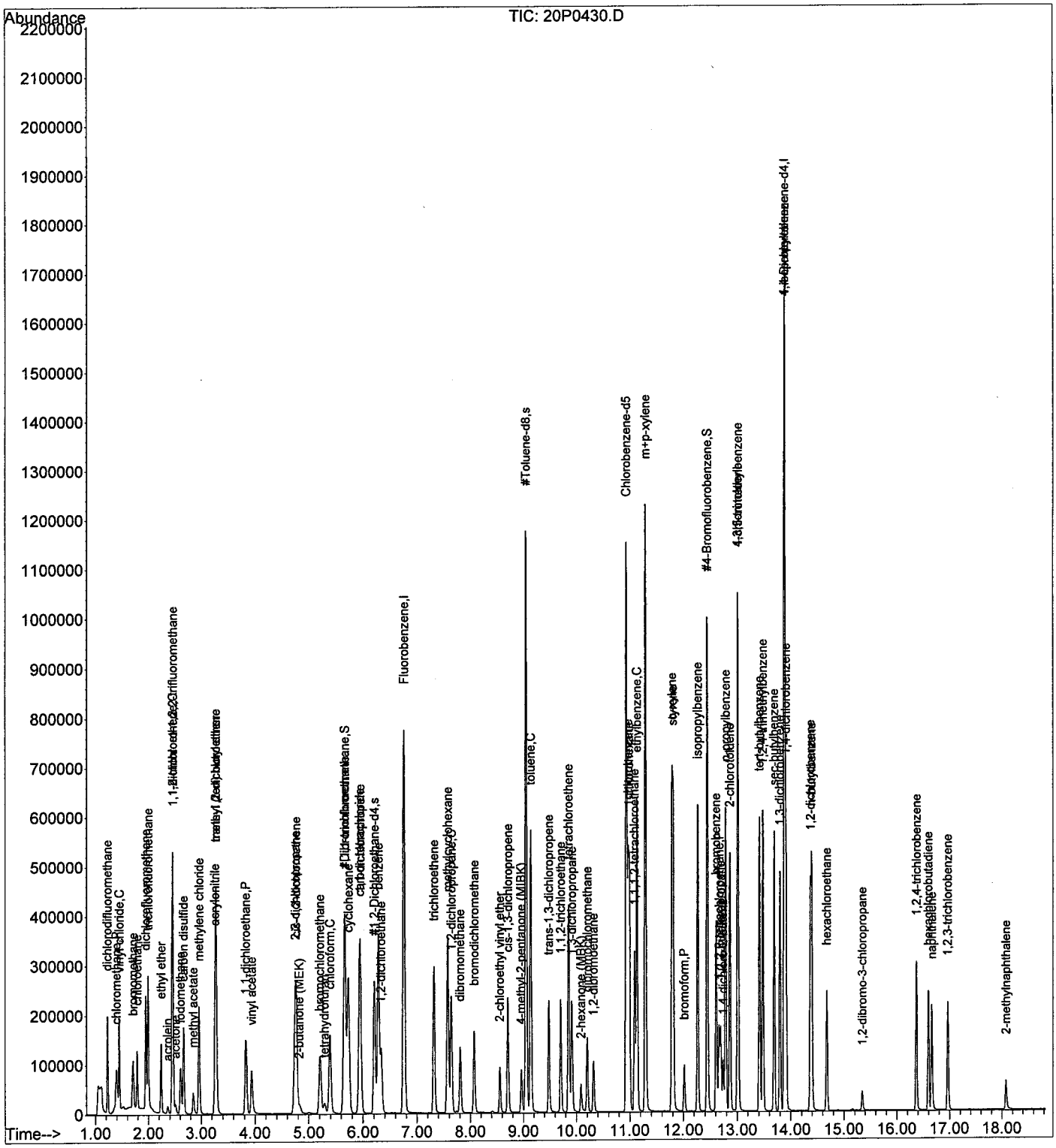
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	59533	10.11	ug/L		99
39) methylcyclohexane	7.58	83	84117	10.26	ug/L		95
40) 1,2-dichloropropane	7.64	63	46433	9.40	ug/L		99
41) dibromomethane	7.81	93	25346	9.47	ug/L		94
42) 1,4-dioxane	0.00	88	0	N.D.			
43) bromodichloromethane	8.08	83	57028	8.94	ug/L		100
44) 2-chloroethyl vinyl ether	8.56	63	18093	9.47	ug/L		97
45) cis-1,3-dichloropropene	8.71	75	65829	10.02	ug/L		97
46) 4-methyl-2-pentanone (MIBK	8.97	43	29100	11.34	ug/L		96
48) toluene	9.14	91	224062	9.88	ug/L		100
49) trans-1,3-dichloropropene	9.49	75	58091	11.38	ug/L		99
50) 1,1,2-trichloroethane	9.71	83	29416	9.07	ug/L		97
52) tetrachloroethene	9.86	166	71041	10.24	ug/L		98
53) 1,3-dichloropropane	9.92	76	67326	9.26	ug/L		99
54) 2-hexanone (MBK)	10.09	43	19811	12.31	ug/L		98
55) dibromochloromethane	10.20	129	36859	8.24	ug/L		99
56) 1,2-dibromoethane	10.33	109	34915	9.43	ug/L		98
57) chlorobenzene	10.97	112	144442	9.75	ug/L		99
58) 1-chlorohexane	11.00	55	47262	9.05	ug/L		87
59) 1,1,1,2-tetrachloroethane	11.09	131	43842	8.95	ug/L		97
60) ethylbenzene	11.14	91	247741	9.87	ug/L		99
61) m+p-xylene	11.30	106	198221	20.42	ug/L		97
62) o-xylene	11.79	106	92803	10.30	ug/L		98
63) styrene	11.81	104	158307	10.21	ug/L		97
64) bromoform	12.03	173	21921	9.42	ug/L		99
67) isopropylbenzene	12.27	105	217381	10.46	ug/L		99
68) bromobenzene	12.61	77	87057	9.46	ug/L		96
69) 1,1,2,2-tetrachloroethane	12.67	83	40619	8.64	ug/L	#	99
70) 1,2,3-trichloropropane	12.70	110	14389	9.25	ug/L		94
71) 1,4-dichloro-2-butene	12.74	53	10518	10.14	ug/L	#	83
72) n-propylbenzene	12.79	120	62630	10.27	ug/L		93
73) 2-chlorotoluene	12.87	126	54919	10.00	ug/L		97
74) 1,3,5-trimethylbenzene	13.02	105	173480	9.99	ug/L		98
75) 4-chlorotoluene	13.02	126	56367	10.08	ug/L		100
76) tert-butylbenzene	13.42	119	154577	10.40	ug/L		99
77) 1,2,4-trimethylbenzene	13.48	105	177515	10.13	ug/L		99
78) sec-butylbenzene	13.69	105	199653	10.15	ug/L		98
79) 1,3-dichlorobenzene	13.80	146	110014	10.15	ug/L		99
80) 4-isopropyltoluene	13.89	119	174488	10.05	ug/L		99
81) 1,4-dichlorobenzene	13.92	146	111771	9.80	ug/L		98
82) 1,2-dichlorobenzene	14.37	146	101760	9.85	ug/L		99
83) n-butylbenzene	14.40	91	127514	10.50	ug/L		98
84) hexachloroethane	14.68	201	16791	10.23	ug/L	#	83
85) 1,2-dibromo-3-chloropropan	15.35	157	5956	9.61	ug/L		91
86) 1,2,4-trichlorobenzene	16.37	180	54429	10.66	ug/L		100
87) hexachlorobutadiene	16.61	225	28184	10.10	ug/L		99
88) naphthalene	16.67	128	90842	10.03	ug/L		98
89) 1,2,3-trichlorobenzene	16.97	180	38741	8.40	ug/L		98
90) 2-methylnaphthalene	18.08	142	15979	9.00	ug/L		98

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

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 20P0430.D
Acq On : 30 Apr 2012 10:55
Operator : DLV
Sample : CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 30 13:24:36 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration



00876

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 20P0430.D
Acq On : 30 Apr 2012 10:55
Operator : DLV
Sample : CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 30 13:24:36 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	885963	40.00	ug/L	0.00 86.96%
51) Chlorobenzene-d5	10.94	117	692487	40.00	ug/L	0.00 88.05%
66) 1,4-Dichlorobenzene-d4	13.89	152	390570	40.00	ug/L	0.00 89.80%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	213436	39.30	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.25%		
37) #1,2-Dichloroethane-d4	6.21	65	247596	37.18	ug/L	0.00
Spiked Amount 40.000			Recovery =	92.95%		
47) #Toluene-d8	9.05	98	878572	39.19	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.97%		
65) #4-Bromofluorobenzene	12.44	95	337587	39.04	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.60%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	133534	18.91	ug/L	99
3) chloromethane	1.40	50	118554	17.30	ug/L	97
4) vinyl chloride	1.45	62	134860	19.22	ug/L	97
5) bromomethane	1.71	94	76888	21.19	ug/L	99
6) chloroethane	1.79	64	80838	18.13	ug/L	99
7) dichlorofluoromethane	1.95	67	176708	17.87	ug/L	99
8) trichlorofluoromethane	1.99	101	174548	17.61	ug/L	99
9) ethyl ether	2.24	74	50677	19.72	ug/L	94
10) acrolein	2.36	56	11249	19.50	ug/L #	92
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	97500	20.54	ug/L	97
12) 1,1-dichloroethene	2.46	96	96228	21.19	ug/L	90
13) acetone	2.51	43	21600	18.01	ug/L	99
14) iodomethane	2.61	142	120869	17.00	ug/L	97
15) carbon disulfide	2.66	76	220207	18.64	ug/L	100
16) methyl acetate	2.85	43	58656	18.89	ug/L	99
17) methylene chloride	2.96	49	125805	18.66	ug/L	92
18) acrylonitrile	3.25	53	27191	18.28	ug/L	98
19) trans-1,2-dichloroethene	3.27	96	101547	20.76	ug/L	92
20) methyl (tert) butyl ether	3.28	73	255589	23.99	ug/L	98
21) 1,1-dichloroethane	3.83	63	176895	19.95	ug/L	99
22) vinyl acetate	3.94	43	166727	22.60	ug/L	96
23) 2,2-dichloropropane	4.75	77	146539	26.79	ug/L	99
24) cis-1,2-dichloroethene	4.77	96	108158	20.86	ug/L	96
25) 2-butanone (MEK)	4.83	43	28882	20.07	ug/L	99
26) bromochloromethane	5.21	49	77739	18.32	ug/L	89
27) tetrahydrofuran	5.29	71	7414	21.67	ug/L	84
28) chloroform	5.39	83	173846	19.93	ug/L	99
30) 1,1,1-trichloroethane	5.66	97	165898	21.58	ug/L	96
31) cyclohexane	5.74	56	178553	20.11	ug/L	95
32) carbon tetrachloride	5.94	117	140370	19.75	ug/L	99
33) 1,1-dichloropropene	5.96	75	146405	20.40	ug/L	97
34) benzene	6.28	78	414204	20.04	ug/L	99
35) 1,2-dichloroethane	6.34	62	135983	18.87	ug/L	98
36) heptane	6.76	57	29140	No Calib	#	

00877

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 20P0430.D
Acq On : 30 Apr 2012 10:55
Operator : DLV
Sample : CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 30 13:24:36 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	121539	20.68	ug/L		98
39) methylcyclohexane	7.58	83	174100	21.28	ug/L		96
40) 1,2-dichloropropane	7.64	63	95427	19.35	ug/L		99
41) dibromomethane	7.81	93	52226	19.55	ug/L		96
42) 1,4-dioxane	0.00	88	0	N.D.			
43) bromodichloromethane	8.08	83	119974	18.85	ug/L		99
44) 2-chloroethyl vinyl ether	8.56	63	41679	21.86	ug/L		96
45) cis-1,3-dichloropropene	8.71	75	138184	21.08	ug/L		98
46) 4-methyl-2-pentanone (MIBK	8.96	43	66967	20.38	ug/L		96
48) toluene	9.14	91	457996	20.23	ug/L		100
49) trans-1,3-dichloropropene	9.49	75	127085	20.73	ug/L		99
50) 1,1,2-trichloroethane	9.71	83	61670	19.05	ug/L		98
52) tetrachloroethene	9.86	166	144192	20.88	ug/L		98
53) 1,3-dichloropropane	9.92	76	139623	19.29	ug/L		100
54) 2-hexanone (MBK)	10.09	43	47256	21.70	ug/L		99
55) dibromochloromethane	10.20	129	83524	18.75	ug/L		98
56) 1,2-dibromoethane	10.32	109	73635	19.97	ug/L		100
57) chlorobenzene	10.97	112	295520	20.03	ug/L		99
58) 1-chlorohexane	11.00	55	98447	18.93	ug/L		90
59) 1,1,1,2-tetrachloroethane	11.09	131	95149	19.51	ug/L		99
60) ethylbenzene	11.14	91	503394	20.14	ug/L		99
61) m+p-xylene	11.30	106	402459	41.65	ug/L		97
62) o-xylene	11.79	106	191132	21.32	ug/L		96
63) styrene	11.81	104	327978	21.25	ug/L		96
64) bromoform	12.02	173	49239	17.21	ug/L		99
67) isopropylbenzene	12.27	105	442964	20.82	ug/L		99
68) bromobenzene	12.61	77	177833	18.87	ug/L		95
69) 1,1,2,2-tetrachloroethane	12.66	83	85204	17.71	ug/L	#	99
70) 1,2,3-trichloropropane	12.70	110	30084	18.89	ug/L	#	65
71) 1,4-dichloro-2-butene	12.74	53	22845	17.38	ug/L		93
72) n-propylbenzene	12.79	120	130635	20.94	ug/L	#	91
73) 2-chlorotoluene	12.87	126	113473	20.18	ug/L		96
74) 1,3,5-trimethylbenzene	13.02	105	365024	20.54	ug/L		99
75) 4-chlorotoluene	13.01	126	117235	20.47	ug/L		97
76) tert-butylbenzene	13.42	119	314236	20.65	ug/L		99
77) 1,2,4-trimethylbenzene	13.48	105	369464	20.60	ug/L		99
78) sec-butylbenzene	13.69	105	415055	20.61	ug/L		98
79) 1,3-dichlorobenzene	13.80	146	228945	20.64	ug/L		99
80) 4-isopropyltoluene	13.89	119	366007	20.59	ug/L		99
81) 1,4-dichlorobenzene	13.92	146	233201	19.98	ug/L		99
82) 1,2-dichlorobenzene	14.37	146	217359	20.55	ug/L		98
83) n-butylbenzene	14.40	91	271638	19.37	ug/L		98
84) hexachloroethane	14.68	201	37763	17.38	ug/L	#	89
85) 1,2-dibromo-3-chloropropan	15.35	157	13757	16.94	ug/L		92
86) 1,2,4-trichlorobenzene	16.37	180	117537	19.66	ug/L		99
87) hexachlorobutadiene	16.61	225	59085	20.69	ug/L		99
88) naphthalene	16.67	128	200958	17.76	ug/L		98
89) 1,2,3-trichlorobenzene	16.97	180	84094	17.82	ug/L		99
90) 2-methylnaphthalene	18.08	142	41126	15.23	ug/L		98

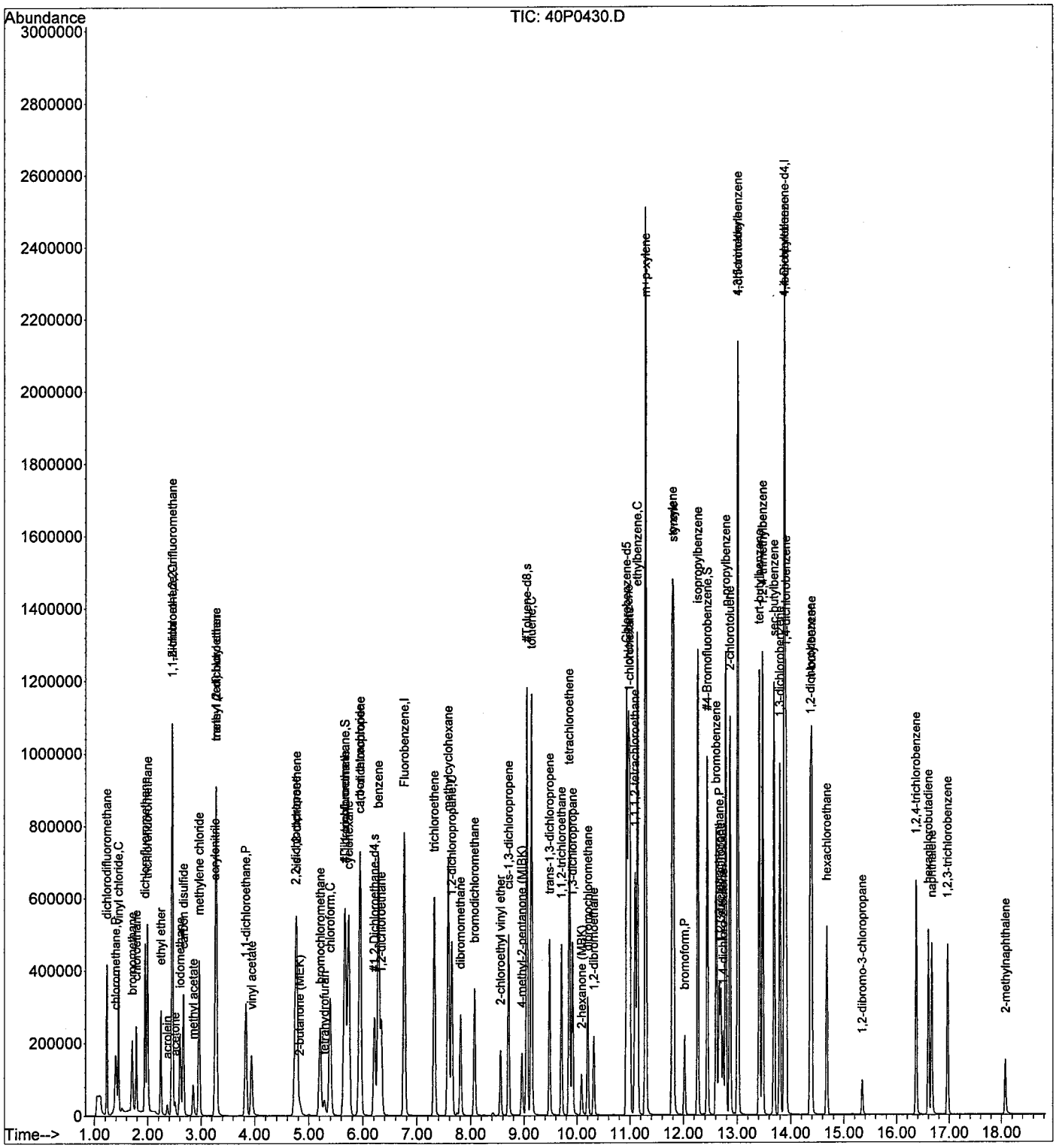
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00878

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 40P0430.D
Acq On : 30 Apr 2012 11:24
Operator : DLV
Sample : CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 30 11:43:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration



00879

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 40P0430.D
Acq On : 30 Apr 2012 11:24
Operator : DLV
Sample : CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 30 11:43:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	891231	40.00	ug/L	0.00 87.48%
51) Chlorobenzene-d5	10.94	117	696631	40.00	ug/L	0.00 88.57%
66) 1,4-Dichlorobenzene-d4	13.89	152	395644	40.00	ug/L	0.00 90.97%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	215843	39.51	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.77%		
37) #1,2-Dichloroethane-d4	6.21	65	250066	37.33	ug/L	0.00
Spiked Amount 40.000			Recovery =	93.32%		
47) #Toluene-d8	9.06	98	881206	39.07	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.67%		
65) #4-Bromofluorobenzene	12.44	95	337658	38.82	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.05%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	267362	37.65	ug/L	100
3) chloromethane	1.40	50	239310	34.72	ug/L	99
4) vinyl chloride	1.45	62	272688	38.64	ug/L	98
5) bromomethane	1.71	94	142752	39.34	ug/L	99
6) chloroethane	1.79	64	162803	36.30	ug/L	100
7) dichlorofluoromethane	1.95	67	352980	35.49	ug/L	99
8) trichlorofluoromethane	1.99	101	341070	34.20	ug/L	100
9) ethyl ether	2.24	74	103025	39.86	ug/L	94
10) acrolein	2.36	56	23281	40.11	ug/L #	90
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	194036	40.64	ug/L	96
12) 1,1-dichloroethene	2.46	96	194573	42.59	ug/L	90
13) acetone	2.51	43	39852	33.04	ug/L	97
14) iodomethane	2.61	142	280997	37.81	ug/L	98
15) carbon disulfide	2.67	76	433645	36.50	ug/L	100
16) methyl acetate	2.85	43	113758	36.43	ug/L	99
17) methylene chloride	2.96	49	248708	36.92	ug/L	92
18) acrylonitrile	3.25	53	55980	37.41	ug/L	99
19) trans-1,2-dichloroethene	3.27	96	204676	41.60	ug/L	92
20) methyl (tert) butyl ether	3.28	73	525340	49.03	ug/L	97
21) 1,1-dichloroethane	3.83	63	357156	40.05	ug/L	99
22) vinyl acetate	3.94	43	315935	38.77	ug/L	97
23) 2,2-dichloropropane	4.75	77	294875	53.59	ug/L	100
24) cis-1,2-dichloroethene	4.77	96	219681	42.13	ug/L	95
25) 2-butanone (MEK)	4.83	43	53092	36.67	ug/L	99
26) bromochloromethane	5.21	49	157386	36.88	ug/L	89
27) tetrahydrofuran	5.29	71	15520	40.49	ug/L	83
28) chloroform	5.39	83	351866	40.09	ug/L	100
30) 1,1,1-trichloroethane	5.66	97	337889	43.70	ug/L	95
31) cyclohexane	5.74	56	358405	40.13	ug/L	94
32) carbon tetrachloride	5.94	117	293105	41.01	ug/L	98
33) 1,1-dichloropropene	5.96	75	295290	40.90	ug/L	97
34) benzene	6.28	78	835327	40.17	ug/L	98
35) 1,2-dichloroethane	6.34	62	275840	38.05	ug/L	98
36) heptane	6.76	57	29037	No Calib	#	

00880

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 40P0430.D
Acq On : 30 Apr 2012 11:24
Operator : DLV
Sample : CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 30 11:43:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	249126	42.14	ug/L		98
39) methylcyclohexane	7.58	83	354139	43.03	ug/L		96
40) 1,2-dichloropropane	7.64	63	192872	38.88	ug/L		98
41) dibromomethane	7.81	93	107332	39.93	ug/L		95
42) 1,4-dioxane	0.00	88	0	N.D.			
43) bromodichloromethane	8.07	83	250528	39.13	ug/L		98
44) 2-chloroethyl vinyl ether	8.56	63	79494	41.44	ug/L		97
45) cis-1,3-dichloropropene	8.71	75	292387	44.35	ug/L		99
46) 4-methyl-2-pentanone (MIBK	8.96	43	129118	35.00	ug/L		95
48) toluene	9.14	91	918696	40.35	ug/L		99
49) trans-1,3-dichloropropene	9.49	75	265854	39.29	ug/L		99
50) 1,1,2-trichloroethane	9.71	83	126510	38.85	ug/L		99
52) tetrachloroethene	9.86	166	295621	42.56	ug/L		98
53) 1,3-dichloropropane	9.92	76	282795	38.84	ug/L		99
54) 2-hexanone (MBK)	10.08	43	88275	35.49	ug/L		98
55) dibromochloromethane	10.20	129	180011	40.18	ug/L		99
56) 1,2-dibromoethane	10.32	109	151614	40.88	ug/L		100
57) chlorobenzene	10.97	112	598644	40.34	ug/L		98
58) 1-chlorohexane	11.00	55	199200	38.08	ug/L		88
59) 1,1,1,2-tetrachloroethane	11.09	131	200704	40.90	ug/L		98
60) ethylbenzene	11.14	91	1023803	40.72	ug/L		98
61) m+p-xylene	11.30	106	829512	85.33	ug/L		96
62) o-xylene	11.79	106	390306	43.28	ug/L		96
63) styrene	11.81	104	677061	43.60	ug/L		97
64) bromoform	12.02	173	111382	34.67	ug/L		98
67) isopropylbenzene	12.27	105	914890	42.46	ug/L		98
68) bromobenzene	12.61	77	361242	37.85	ug/L		94
69) 1,1,2,2-tetrachloroethane	12.67	83	176867	36.30	ug/L	#	98
70) 1,2,3-trichloropropane	12.70	110	62197	38.55	ug/L		93
71) 1,4-dichloro-2-butene	12.74	53	51500	34.18	ug/L		95
72) n-propylbenzene	12.79	120	268589	42.49	ug/L		92
73) 2-chlorotoluene	12.87	126	233524	40.99	ug/L		95
74) 1,3,5-trimethylbenzene	13.02	105	753350	41.84	ug/L		99
75) 4-chlorotoluene	13.01	126	241507	41.64	ug/L		97
76) tert-butylbenzene	13.42	119	657513	42.65	ug/L		98
77) 1,2,4-trimethylbenzene	13.48	105	763452	42.03	ug/L		99
78) sec-butylbenzene	13.69	105	861840	42.25	ug/L		98
79) 1,3-dichlorobenzene	13.80	146	469152	41.76	ug/L		99
80) 4-isopropyltoluene	13.89	119	758048	42.09	ug/L		98
81) 1,4-dichlorobenzene	13.92	146	480631	40.65	ug/L		99
82) 1,2-dichlorobenzene	14.37	146	441138	41.17	ug/L		98
83) n-butylbenzene	14.39	91	566582	37.45	ug/L		99
84) hexachloroethane	14.68	201	89775	35.06	ug/L		97
85) 1,2-dibromo-3-chloropropan	15.35	157	30625	32.69	ug/L		94
86) 1,2,4-trichlorobenzene	16.37	180	246732	38.02	ug/L		99
87) hexachlorobutadiene	16.61	225	122073	42.20	ug/L		99
88) naphthalene	16.67	128	429222	33.70	ug/L		98
89) 1,2,3-trichlorobenzene	16.97	180	179034	37.45	ug/L		99
90) 2-methylnaphthalene	18.08	142	93592	28.11	ug/L		99

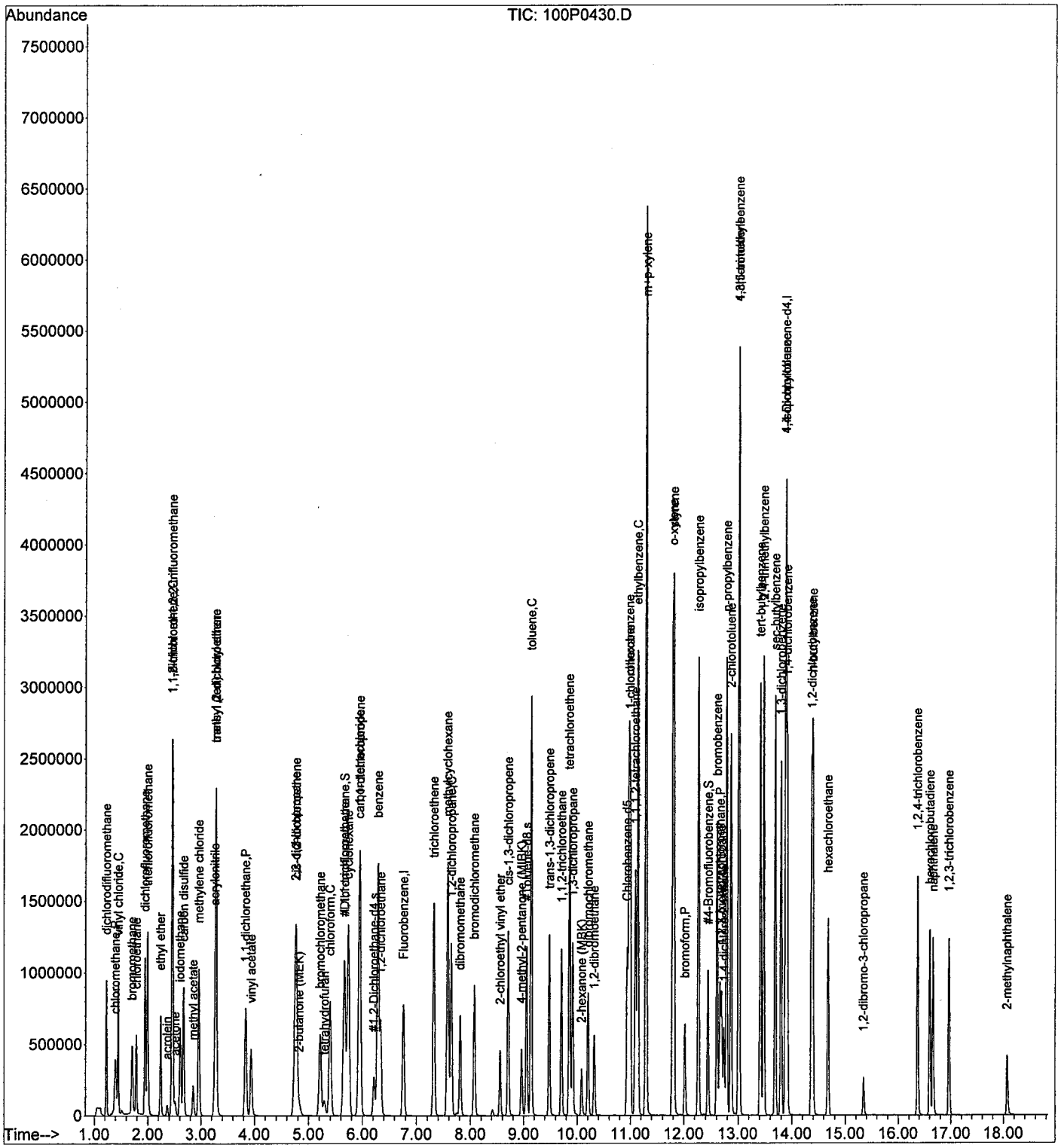
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00881

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 100P0430.D
Acq On : 30 Apr 2012 11:51
Operator : DLV
Sample : CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 30 12:10:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration



00882

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 100P0430.D
Acq On : 30 Apr 2012 11:51
Operator : DLV
Sample : CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 30 12:10:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	884538	40.00	ug/L	0.00 86.82%
51) Chlorobenzene-d5	10.94	117	698735	40.00	ug/L	0.00 88.84%
66) 1,4-Dichlorobenzene-d4	13.89	152	402074	40.00	ug/L	0.00 92.45%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	217614	40.14	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.35%		
37) #1,2-Dichloroethane-d4	6.22	65	247120	37.17	ug/L	0.00
Spiked Amount 40.000			Recovery =	92.92%		
47) #Toluene-d8	9.06	98	874406	39.07	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.67%		
65) #4-Bromofluorobenzene	12.44	95	342174	39.22	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.05%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	649926	92.21	ug/L	100
3) chloromethane	1.40	50	590360	86.31	ug/L	99
4) vinyl chloride	1.45	62	671422	95.86	ug/L	99
5) bromomethane	1.71	94	361492	100.78	ug/L	99
6) chloroethane	1.79	64	401921	90.29	ug/L	100
7) dichlorofluoromethane	1.95	67	871401	88.27	ug/L	100
8) trichlorofluoromethane	2.00	101	845482	85.43	ug/L	100
9) ethyl ether	2.24	74	252907	98.60	ug/L	94
10) acrolein	2.36	56	57529	99.87	ug/L #	95
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	481690	101.65	ug/L	97
12) 1,1-dichloroethene	2.46	96	481308	106.15	ug/L	88
13) acetone	2.51	43	105739	88.33	ug/L	97
14) iodomethane	2.60	142	783755	104.25	ug/L	97
15) carbon disulfide	2.67	76	1171705	99.36	ug/L	99
16) methyl acetate	2.85	43	281321	90.77	ug/L	98
17) methylene chloride	2.96	49	604462	90.76	ug/L	92
18) acrylonitrile	3.25	53	140168	94.39	ug/L	99
19) trans-1,2-dichloroethene	3.28	96	510075	104.45	ug/L	92
20) methyl (tert) butyl ether	3.28	73	1292901	121.57	ug/L	98
21) 1,1-dichloroethane	3.83	63	890629	100.62	ug/L	99
22) vinyl acetate	3.94	43	865868	99.50	ug/L	96
23) 2,2-dichloropropane	4.75	77	714029	130.75	ug/L	100
24) cis-1,2-dichloroethene	4.77	96	547990	105.88	ug/L	95
25) 2-butanone (MEK)	4.83	43	141186	98.25	ug/L	93
26) bromochloromethane	5.21	49	382934	90.40	ug/L	88
27) tetrahydrofuran	5.29	71	38761	95.43	ug/L	81
28) chloroform	5.39	83	878374	100.84	ug/L	99
30) 1,1,1-trichloroethane	5.66	97	854249	111.31	ug/L	96
31) cyclohexane	5.74	56	877495	99.00	ug/L	94
32) carbon tetrachloride	5.94	117	752163	106.02	ug/L	97
33) 1,1-dichloropropene	5.96	75	724931	101.18	ug/L	97
34) benzene	6.29	78	2063294	99.96	ug/L	98
35) 1,2-dichloroethane	6.34	62	680203	94.55	ug/L	98
36) heptane	6.76	57	28675	No Calib	#	

00883

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 100P0430.D
Acq On : 30 Apr 2012 11:51
Operator : DLV
Sample : CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 30 12:10:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

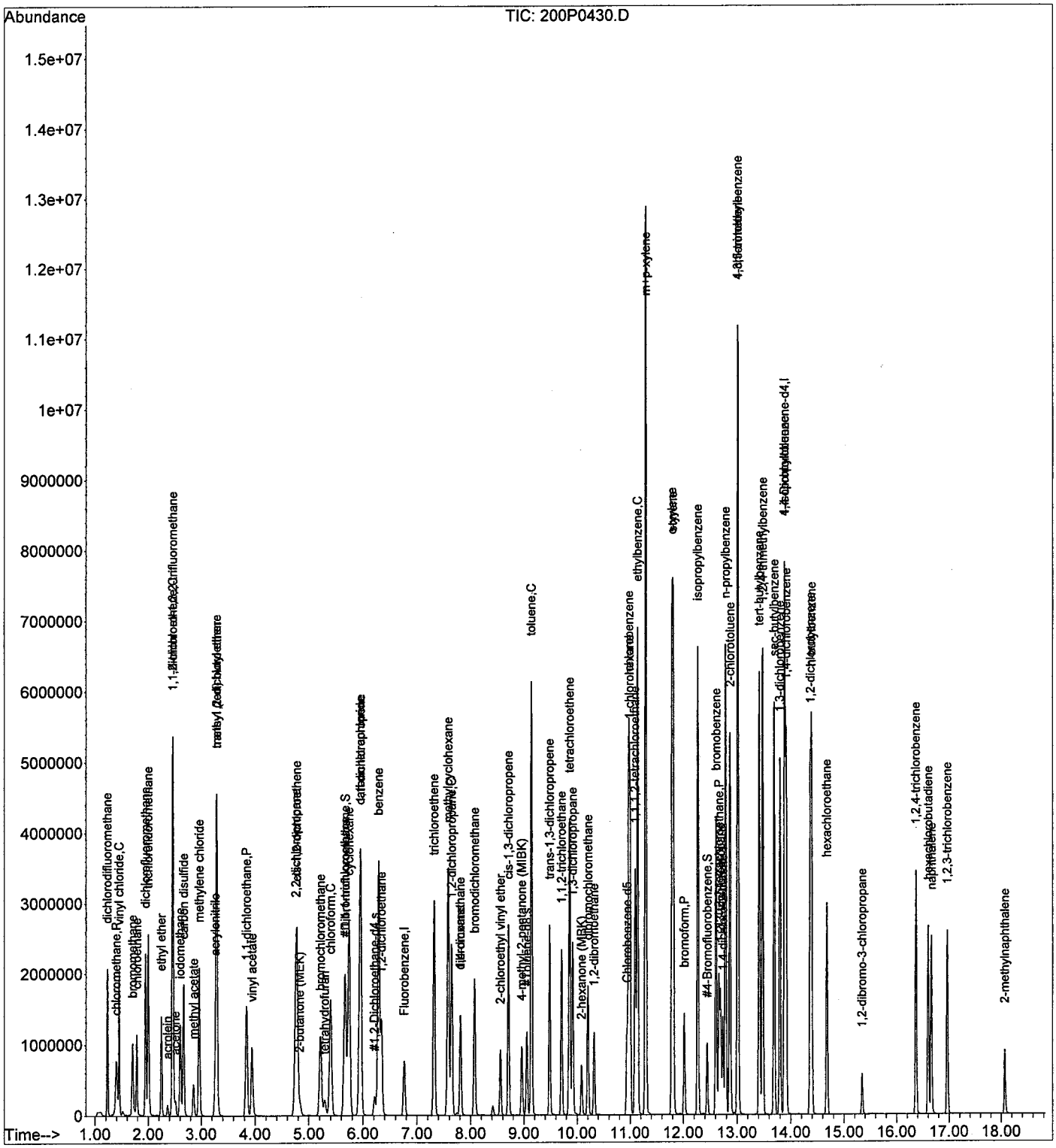
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	613017	104.48 ug/L		98
39) methylcyclohexane	7.58	83	864992	105.89 ug/L		96
40) 1,2-dichloropropane	7.64	63	478995	97.28 ug/L		98
41) dibromomethane	7.81	93	267534	100.29 ug/L		95
42) 1,4-dioxane	0.00	88	0	N.D.		
43) bromodichloromethane	8.07	83	653393	102.82 ug/L		99
44) 2-chloroethyl vinyl ether	8.56	63	203322	106.81 ug/L		97
45) cis-1,3-dichloropropene	8.71	75	746037	114.01 ug/L		99
46) 4-methyl-2-pentanone (MIBK	8.96	43	343358	86.34 ug/L		95
48) toluene	9.14	91	2294176	101.52 ug/L		99
49) trans-1,3-dichloropropene	9.49	75	690786	97.11 ug/L		99
50) 1,1,2-trichloroethane	9.71	83	312233	96.61 ug/L		98
52) tetrachloroethene	9.86	166	724208	103.94 ug/L		98
53) 1,3-dichloropropane	9.92	76	698334	95.63 ug/L		99
54) 2-hexanone (MBK)	10.08	43	234638	84.81 ug/L		95
55) dibromochloromethane	10.20	129	485307	107.99 ug/L		99
56) 1,2-dibromoethane	10.32	109	380212	102.22 ug/L		99
57) chlorobenzene	10.97	112	1496725	100.56 ug/L		97
58) 1-chlorohexane	11.00	55	486788	92.78 ug/L		85
59) 1,1,1,2-tetrachloroethane	11.09	131	520256	105.71 ug/L		99
60) ethylbenzene	11.14	91	2547616	101.03 ug/L		98
61) m+p-xylene	11.30	106	2073017	212.61 ug/L		96
62) o-xylene	11.79	106	981464	108.52 ug/L		96
63) styrene	11.81	104	1712936	109.97 ug/L		96
64) bromoform	12.02	173	324749	94.63 ug/L		99
67) isopropylbenzene	12.27	105	2288793	104.51 ug/L		98
68) bromobenzene	12.61	77	905367	93.34 ug/L		93
69) 1,1,2,2-tetrachloroethane	12.67	83	450474	90.97 ug/L	#	98
70) 1,2,3-trichloropropane	12.70	110	157596	96.11 ug/L	#	69
71) 1,4-dichloro-2-butene	12.73	53	139328	84.88 ug/L		87
72) n-propylbenzene	12.79	120	674767	105.04 ug/L	#	92
73) 2-chlorotoluene	12.87	126	587219	101.43 ug/L		94
74) 1,3,5-trimethylbenzene	13.02	105	1894280	103.53 ug/L		98
75) 4-chlorotoluene	13.01	126	611419	103.73 ug/L		95
76) tert-butylbenzene	13.42	119	1642155	104.82 ug/L		98
77) 1,2,4-trimethylbenzene	13.48	105	1929742	104.54 ug/L		99
78) sec-butylbenzene	13.69	105	2169519	104.64 ug/L		97
79) 1,3-dichlorobenzene	13.80	146	1189920	104.21 ug/L		99
80) 4-isopropyltoluene	13.89	119	1934439	105.69 ug/L		98
81) 1,4-dichlorobenzene	13.92	146	1219904	101.54 ug/L		98
82) 1,2-dichlorobenzene	14.37	146	1120612	102.91 ug/L		98
83) n-butylbenzene	14.39	91	1446278	90.61 ug/L		98
84) hexachloroethane	14.68	201	264368	93.53 ug/L		94
85) 1,2-dibromo-3-chloropropan	15.34	157	86498	84.13 ug/L		92
86) 1,2,4-trichlorobenzene	16.37	180	628873	91.53 ug/L		100
87) hexachlorobutadiene	16.61	225	313134	106.53 ug/L		99
88) naphthalene	16.67	128	1109503	80.51 ug/L		98
89) 1,2,3-trichlorobenzene	16.97	180	456519	93.96 ug/L		100
90) 2-methylnaphthalene	18.07	142	248859	65.65 ug/L		99

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

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 200P0430.D
Acq On : 30 Apr 2012 12:46
Operator : DLV
Sample : CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 30 13:05:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration



00885

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 200P0430.D
Acq On : 30 Apr 2012 12:46
Operator : DLV
Sample : CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 30 13:05:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	856928	40.00	ug/L	0.00 84.11%
51) Chlorobenzene-d5	10.94	117	680315	40.00	ug/L	0.00 86.50%
66) 1,4-Dichlorobenzene-d4	13.89	152	399587	40.00	ug/L	0.00 91.88%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	213067	40.57	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.43%		
37) #1,2-Dichloroethane-d4	6.22	65	242035	37.58	ug/L	0.00
Spiked Amount 40.000			Recovery =	93.95%		
47) #Toluene-d8	9.06	98	856814	39.51	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.77%		
65) #4-Bromofluorobenzene	12.45	95	336543	39.62	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.05%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	1311935	192.13	ug/L	100
3) chloromethane	1.40	50	1204811	181.82	ug/L	99
4) vinyl chloride	1.45	62	1378231	203.11	ug/L	100
5) bromomethane	1.71	94	789216	227.44	ug/L	99
6) chloroethane	1.79	64	823740	191.01	ug/L	100
7) dichlorofluoromethane	1.95	67	1782766	186.40	ug/L	100
8) trichlorofluoromethane	2.00	101	1737408	181.20	ug/L	100
9) ethyl ether	2.25	74	524414	211.03	ug/L	93
10) acrolein	2.36	56	121034	216.89	ug/L #	94
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	988561	215.33	ug/L	97
12) 1,1-dichloroethene	2.46	96	1000700	227.81	ug/L	88
13) acetone	2.51	43	228364	196.91	ug/L	99
14) iodomethane	2.60	142	1571194	214.52	ug/L	98
15) carbon disulfide	2.67	76	2397501	209.86	ug/L	99
16) methyl acetate	2.86	43	581472	193.65	ug/L	98
17) methylene chloride	2.96	49	1213305	188.32	ug/L	91
18) acrylonitrile	3.25	53	288386	200.45	ug/L	99
19) trans-1,2-dichloroethene	3.28	96	1046917	221.29	ug/L	91
20) methyl (tert) butyl ether	3.29	73	2619331	254.22	ug/L	98
21) 1,1-dichloroethane	3.84	63	1811023	211.19	ug/L	99
22) vinyl acetate	3.94	43	1821083	210.98	ug/L	97
23) 2,2-dichloropropane	4.75	77	1392427	263.19	ug/L	99
24) cis-1,2-dichloroethene	4.78	96	1119613	223.29	ug/L	94
25) 2-butanone (MEK)	4.83	43	292671	210.23	ug/L	97
26) bromochloromethane	5.21	49	761909	185.67	ug/L	87
27) tetrahydrofuran	5.29	71	80712	200.22	ug/L	79
28) chloroform	5.40	83	1798969	213.18	ug/L	99
30) 1,1,1-trichloroethane	5.66	97	1755469	236.12	ug/L	96
31) cyclohexane	5.74	56	1788575	208.28	ug/L	94
32) carbon tetrachloride	5.94	117	1576807	229.43	ug/L	98
33) 1,1-dichloropropene	5.96	75	1483027	213.65	ug/L	97
34) benzene	6.29	78	4182704	209.17	ug/L	98
35) 1,2-dichloroethane	6.35	62	1388190	199.18	ug/L	98
36) heptane	6.77	57	28086	No Calib	#	

00886

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : 200P0430.D
Acq On : 30 Apr 2012 12:46
Operator : DLV
Sample : CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 30 13:05:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B22.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 23 14:19:26 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	1262761	222.16	ug/L		98
39) methylcyclohexane	7.58	83	1758900	222.26	ug/L		95
40) 1,2-dichloropropane	7.64	63	979598	205.36	ug/L		98
41) dibromomethane	7.81	93	550314	212.95	ug/L		95
42) 1,4-dioxane	7.82	88	2594	117.40	ug/L	#	13
43) bromodichloromethane	8.08	83	1351697	219.55	ug/L		99
44) 2-chloroethyl vinyl ether	8.56	63	409095	221.82	ug/L		96
45) cis-1,3-dichloropropene	8.71	75	1523251	240.29	ug/L		99
46) 4-methyl-2-pentanone (MIBK	8.96	43	717584	181.15	ug/L		95
48) toluene	9.14	91	4723327	215.74	ug/L		99
49) trans-1,3-dichloropropene	9.49	75	1441996	205.16	ug/L		98
50) 1,1,2-trichloroethane	9.71	83	637350	203.56	ug/L		98
52) tetrachloroethene	9.86	166	1476643	217.67	ug/L		98
53) 1,3-dichloropropane	9.92	76	1413872	198.85	ug/L		99
54) 2-hexanone (MBK)	10.08	43	491585	176.05	ug/L		95
55) dibromochloromethane	10.20	129	1025807	234.44	ug/L		99
56) 1,2-dibromoethane	10.32	109	775546	214.14	ug/L		99
57) chlorobenzene	10.97	112	3073251	212.07	ug/L		97
58) 1-chlorohexane	11.00	55	992055	194.19	ug/L		85
59) 1,1,1,2-tetrachloroethane	11.09	131	1092926	228.08	ug/L		99
60) ethylbenzene	11.14	91	5181393	211.03	ug/L		98
61) m+p-xylene	11.30	106	4297916	452.74	ug/L		96
62) o-xylene	11.79	106	2036179	231.23	ug/L		95
63) styrene	11.81	104	3585049	236.39	ug/L		95
64) bromoform	12.02	173	708424	208.01	ug/L		99
67) isopropylbenzene	12.27	105	4699368	215.92	ug/L		98
68) bromobenzene	12.61	77	1860924	193.04	ug/L		92
69) 1,1,2,2-tetrachloroethane	12.67	83	930030	188.99	ug/L	#	99
70) 1,2,3-trichloropropane	12.70	110	321231	197.12	ug/L	#	69
71) 1,4-dichloro-2-butene	12.74	53	292591	175.26	ug/L		85
72) n-propylbenzene	12.79	120	1389641	217.67	ug/L	#	88
73) 2-chlorotoluene	12.88	126	1211633	210.59	ug/L		93
74) 1,3,5-trimethylbenzene	13.02	105	3934737	216.39	ug/L		98
75) 4-chlorotoluene	13.02	126	1267283	216.34	ug/L		95
76) tert-butylbenzene	13.42	119	3403157	218.58	ug/L		98
77) 1,2,4-trimethylbenzene	13.48	105	3981635	217.04	ug/L		98
78) sec-butylbenzene	13.70	105	4501372	218.47	ug/L		98
79) 1,3-dichlorobenzene	13.80	146	2465778	217.30	ug/L		99
80) 4-isopropyltoluene	13.89	119	4000973	219.97	ug/L		98
81) 1,4-dichlorobenzene	13.92	146	2503976	209.71	ug/L		98
82) 1,2-dichlorobenzene	14.37	146	2299136	212.44	ug/L		98
83) n-butylbenzene	14.39	91	2981400	185.48	ug/L		97
84) hexachloroethane	14.68	201	595394	206.56	ug/L	#	90
85) 1,2-dibromo-3-chloropropan	15.34	157	188270	179.74	ug/L		91
86) 1,2,4-trichlorobenzene	16.37	180	1303532	188.14	ug/L		99
87) hexachlorobutadiene	16.61	225	642846	220.05	ug/L		99
88) naphthalene	16.67	128	2315356	165.35	ug/L		98
89) 1,2,3-trichlorobenzene	16.97	180	948005	196.33	ug/L		99
90) 2-methylnaphthalene	18.07	142	507449	129.57	ug/L		98

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

00887

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D06045-SCV1
Standard ID: 2020922
Sequence: 2D06045
Calibration: 2D06026

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Acetone	40.0	44.3	111	75-125
Benzene	40.0	38.8	97	75-125
Bromodichloromethane	40.0	37.6	94	75-125
Bromoform	40.0	39.5	99	75-125
Bromomethane	40.0	41.0	103	75-125
Carbon Disulfide	40.0	36.9	92	75-125
Carbon Tetrachloride	40.0	38.7	97	75-125
Chlorobenzene	40.0	37.6	94	75-125
Chloroethane	40.0	37.3	93	75-125
Chloroform	40.0	37.6	94	75-125
Chloromethane	40.0	40.3	101	75-125
Cyclohexane	40.0	43.6	109	75-125
1,2-Dibromo-3-chloropropane	40.0	38.4	96	75-125
Dibromochloromethane	40.0	38.8	97	75-125
1,2-Dibromoethane	40.0	38.8	97	75-125
1,2-Dichlorobenzene	40.0	39.4	99	75-125
1,3-Dichlorobenzene	40.0	38.4	96	75-125
1,4-Dichlorobenzene	40.0	37.8	95	75-125
Dichlorodifluoromethane	40.0	43.7	109	75-125
1,1-Dichloroethane	40.0	37.2	93	75-125
1,2-Dichloroethane	40.0	36.6	92	75-125
1,1-Dichloroethene	40.0	35.6	89	75-125
cis-1,2-Dichloroethene	40.0	39.6	99	75-125
trans-1,2-Dichloroethene	40.0	38.1	95	75-125
1,2-Dichloropropane	40.0	38.2	96	75-125
cis-1,3-Dichloropropene	40.0	42.3	106	75-125
trans-1,3-Dichloropropene	40.0	34.7	87	75-125

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D06045-SCV1
Standard ID: 2020922
Sequence: 2D06045
Calibration: 2D06026

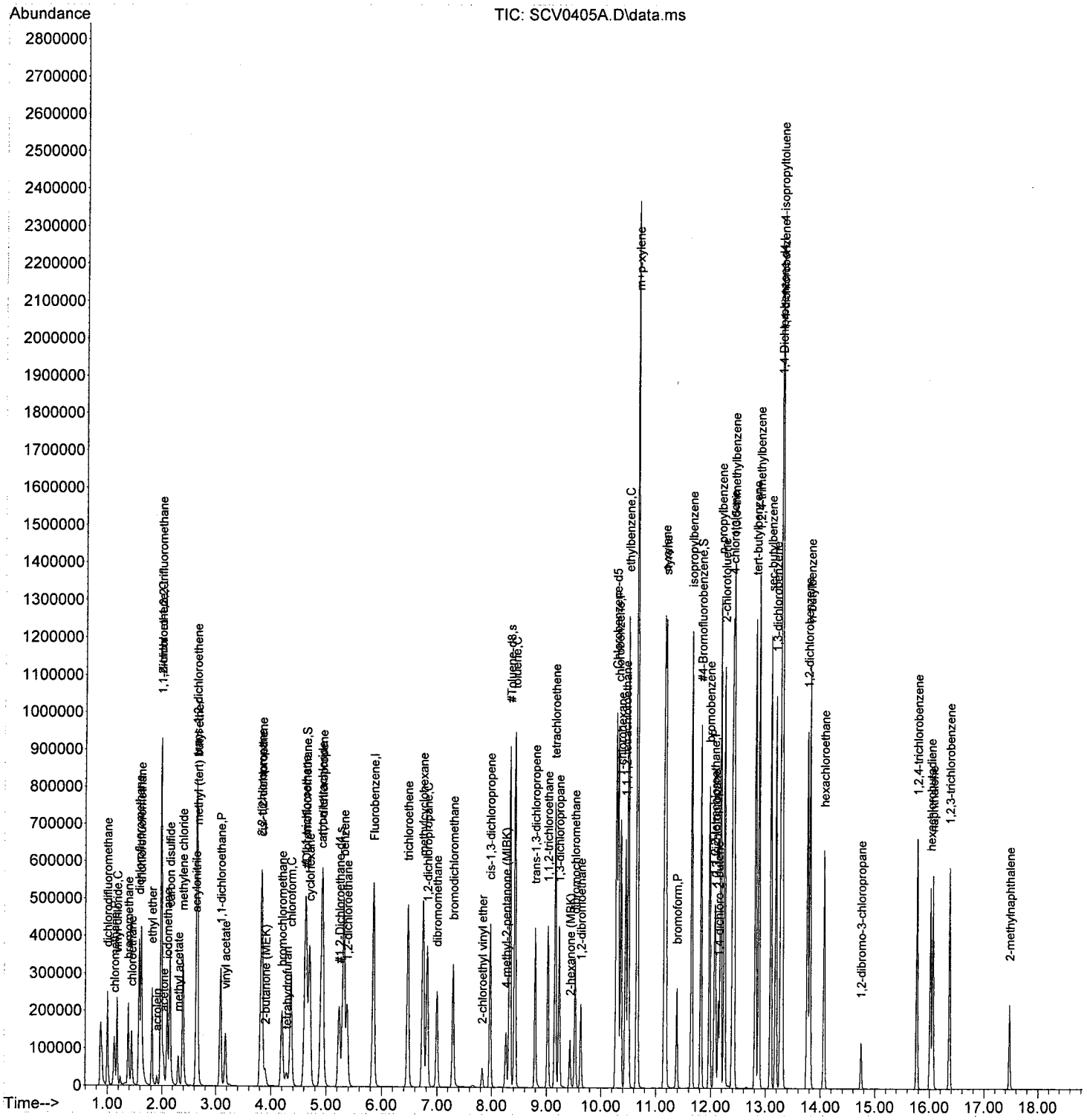
Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Ethylbenzene	40.0	39.9	100	75-125
2-Hexanone	40.0	40.7	102	75-125
Isopropylbenzene	40.0	40.6	102	75-125
Methyl Acetate	40.0	34.8	87	75-125
Methyl tert-Butyl Ether	40.0	38.0	95	75-125
Methylcyclohexane	40.0	43.3	108	75-125
Methylene Chloride	40.0	38.8	97	75-125
2-Butanone (MEK)	40.0	43.6	109	75-125
4-Methyl-2-pentanone (MIBK)	40.0	36.3	91	75-125
Styrene	40.0	40.8	102	75-125
1,1,2,2-Tetrachloroethane	40.0	36.2	91	75-125
Tetrachloroethene	40.0	38.1	95	75-125
Toluene	40.0	39.4	99	75-125
1,2,4-Trichlorobenzene	40.0	40.7	102	75-125
1,1,1-Trichloroethane	40.0	39.0	98	75-125
1,1,2-Trichloroethane	40.0	38.3	96	75-125
Trichloroethene	40.0	39.9	100	75-125
Trichlorofluoromethane	40.0	36.4	91	75-125
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	38.4	96	75-125
Vinyl Chloride	40.0	39.2	98	75-125
Xylene (Total)	120	121	101	75-125
Dibromofluoromethane	40.0	39.3	98	75-125
1,2-Dichloroethane-d4	40.0	39.0	98	75-125
Toluene-d8	40.0	40.2	101	75-125
4-Bromofluorobenzene	40.0	39.6	99	75-125

* Values outside of QC limits

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : SCV0405A.D
Acq On : 6 Apr 2012 1:34
Operator : DLV
Sample : SCVA
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 06 07:29:13 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : SCV0405A.D
Acq On : 6 Apr 2012 1:34
Operator : DLV
Sample : SCVA
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 06 07:29:13 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.854	96	646153	40.00	ug/L		0.00
51) Chlorobenzene-d5	10.274	117	546741	40.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4	13.280	152	359023	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	4.635	111	197313	39.31	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.28%				
37) #1,2-Dichloroethane-d4	5.238	67	119284	39.00	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.50%				
47) #Toluene-d8	8.329	98	668747	40.16	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.40%				
65) #4-Bromofluorobenzene	11.822	95	300616	39.58	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.95%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.995	85	197608	43.70	ug/L		99
3) chloromethane	1.123	50	151081	40.31	ug/L		100
4) vinyl chloride	1.172	62	175049	39.21	ug/L		99
5) bromomethane	1.379	94	119830	41.03	ug/L		98
6) chloroethane	1.440	64	111376	37.34	ug/L		99
7) dichlorofluoromethane	1.574	67	353749	37.24	ug/L		99
8) trichlorofluoromethane	1.611	101	384130	36.45	ug/L		100
9) ethyl ether	1.812	74	79785	40.24	ug/L		100
10) acrolein	1.904	56	17248	33.00	ug/L	#	98
11) 1,1,2-trichloro-1,2,2-...	1.983	101	170106	38.41	ug/L		98
12) 1,1-dichloroethene	1.983	96	156605	35.56	ug/L		99
13) acetone	2.032	43	76742	44.26	ug/L		100
14) iodomethane	2.099	142	250493	39.88	ug/L		100
15) carbon disulfide	2.148	76	479073	36.94	ug/L		100
16) methyl acetate	2.300	43	93310	34.80	ug/L		100
17) methylene chloride	2.385	49	204651	38.79	ug/L		99
18) acrylonitrile	2.623	53	50411	37.60	ug/L		98
19) trans-1,2-dichloroethene	2.635	96	183437	38.06	ug/L		97
20) methyl (tert) butyl ether	2.654	73	429057	37.97	ug/L		99
21) 1,1-dichloroethane	3.086	63	309867	37.15	ug/L		100
22) vinyl acetate	3.172	43	222857	33.14	ug/L		99
23) 2,2-dichloropropane	3.824	77	252287	37.45	ug/L		100
24) cis-1,2-dichloroethene	3.836	96	187138	39.64	ug/L		99
25) 2-butanone (MEK)	3.897	43	66134	43.64	ug/L		99
26) bromochloromethane	4.196	49	124338	37.52	ug/L		100
27) tetrahydrofuran	4.287	71	12207	39.69	ug/L		95
28) chloroform	4.361	83	344058	37.65	ug/L		99
30) 1,1,1-trichloroethane	4.617	97	345175	38.98	ug/L		100
31) cyclohexane	4.696	56	246212	43.63	ug/L		98
32) carbon tetrachloride	4.915	117	329729	38.69	ug/L		100
33) 1,1-dichloropropene	4.934	75	256626	39.80	ug/L		100
34) benzene	5.318	78	645315	38.78	ug/L		100
35) 1,2-dichloroethane	5.379	62	280157	36.60	ug/L		100
36) heptane	5.848	57	22231	No Calib			
38) trichloroethene	6.470	130	210436	39.91	ug/L		99

00891

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-05-12\
InstName : 328
Data File : SCV0405A.D
Acq On : 6 Apr 2012 1:34
Operator : DLV
Sample : SCVA
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 06 07:29:13 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	6.738	83	251360	43.34 ug/L	98
40) 1,2-dichloropropane	6.817	63	143971	38.22 ug/L	100
41) dibromomethane	6.994	93	101316	36.81 ug/L	99
42) 1,4-dioxane	0.000		0	N.D.	
43) bromodichloromethane	7.293	83	245843	37.60 ug/L	100
44) 2-chloroethyl vinyl ether	7.823	63	22659	37.51 ug/L	99
45) cis-1,3-dichloropropene	7.970	75	246584	42.31 ug/L	99
46) 4-methyl-2-pentanone (...	8.256	43	104364	36.27 ug/L	99
48) toluene	8.421	91	739715	39.42 ug/L	99
49) trans-1,3-dichloropropene	8.793	75	227754	34.71 ug/L	100
50) 1,1,2-trichloroethane	9.024	83	109493	38.32 ug/L	100
52) tetrachloroethene	9.158	166	242573	38.08 ug/L	100
53) 1,3-dichloropropane	9.232	76	246139	39.07 ug/L	100
54) 2-hexanone (MBK)	9.433	43	84863	40.74 ug/L	100
55) dibromochloromethane	9.524	129	187777	38.75 ug/L	100
56) 1,2-dibromoethane	9.634	109	140227	38.83 ug/L #	100
57) chlorobenzene	10.311	112	514293	37.62 ug/L	99
58) 1-chlorohexane	10.359	55	170409	39.40 ug/L	100
59) 1,1,1,2-tetrachloroethane	10.445	131	200135	38.66 ug/L	99
60) ethylbenzene	10.493	91	902711	39.94 ug/L	100
61) m+p-xylene	10.658	106	690304	79.93 ug/L	99
62) o-xylene	11.158	106	328727	41.52 ug/L	100
63) styrene	11.182	104	568562	40.83 ug/L	99
64) bromoform	11.384	173	123697	39.53 ug/L	99
67) isopropylbenzene	11.652	105	802687	40.65 ug/L	100
68) bromobenzene	11.975	77	331945	38.10 ug/L	99
69) 1,1,2,2-tetrachloroethane	12.066	83	164067	36.24 ug/L #	99
70) 1,2,3-trichloropropane	12.085	110	64942	37.03 ug/L	99
71) 1,4-dichloro-2-butene	12.139	53	56494	34.51 ug/L	98
72) n-propylbenzene	12.176	120	244527	40.71 ug/L	100
73) 2-chlorotoluene	12.249	126	217199	38.95 ug/L	99
74) 1,3,5-trimethylbenzene	12.420	105	757462	41.37 ug/L	99
75) 4-chlorotoluene	12.396	91	741044	39.96 ug/L	100
76) tert-butylbenzene	12.816	119	640782	42.52 ug/L	100
77) 1,2,4-trimethylbenzene	12.877	105	755581	41.75 ug/L	100
78) sec-butylbenzene	13.091	105	872782	41.91 ug/L	100
79) 1,3-dichlorobenzene	13.188	146	439938	38.38 ug/L	100
80) 4-isopropyltoluene	13.292	119	748728	38.42 ug/L	99
81) 1,4-dichlorobenzene	13.304	146	448111	37.82 ug/L	100
82) 1,2-dichlorobenzene	13.761	146	406130	39.39 ug/L	100
83) n-butylbenzene	13.804	91	611465	42.13 ug/L	100
84) hexachloroethane	14.066	201	105125	41.01 ug/L	99
85) 1,2-dibromo-3-chloropr...	14.743	157	34004	38.42 ug/L	99
86) 1,2,4-trichlorobenzene	15.773	180	224213	40.72 ug/L	100
87) hexachlorobutadiene	16.017	225	113240	37.06 ug/L	99
88) naphthalene	16.059	128	447591	37.97 ug/L	100
89) 1,2,3-trichlorobenzene	16.364	180	190535	38.29 ug/L	100
90) 2-methylnaphthalene	17.474	142	111230	31.90 ug/L	99

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

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D17011-SCV1
Standard ID: 2040302
Sequence: 2D17011
Calibration: 2D17013

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Acetone	40.0	61.5	154 *	75-125
Benzene	40.0	39.4	99	75-125
Bromodichloromethane	40.0	37.5	94	75-125
Bromoform	40.0	41.3	103	75-125
Bromomethane	40.0	51.1	128 *	75-125
Carbon Disulfide	40.0	43.5	109	75-125
Carbon Tetrachloride	40.0	39.9	100	75-125
Chlorobenzene	40.0	38.4	96	75-125
Chloroethane	40.0	41.2	103	75-125
Chloroform	40.0	38.4	96	75-125
Chloromethane	40.0	45.4	114	75-125
Cyclohexane	40.0	43.3	108	75-125
1,2-Dibromo-3-chloropropane	40.0	40.8	102	75-125
Dibromochloromethane	40.0	39.8	100	75-125
1,2-Dibromoethane	40.0	40.0	100	75-125
1,2-Dichlorobenzene	40.0	39.5	99	75-125
1,3-Dichlorobenzene	40.0	39.3	98	75-125
1,4-Dichlorobenzene	40.0	38.3	96	75-125
Dichlorodifluoromethane	40.0	49.2	123	75-125
1,1-Dichloroethane	40.0	39.6	99	75-125
1,2-Dichloroethane	40.0	38.2	96	75-125
1,1-Dichloroethene	40.0	43.2	108	75-125
cis-1,2-Dichloroethene	40.0	39.7	99	75-125
trans-1,2-Dichloroethene	40.0	38.6	97	75-125
1,2-Dichloropropane	40.0	39.2	98	75-125
cis-1,3-Dichloropropene	40.0	42.3	106	75-125
trans-1,3-Dichloropropene	40.0	35.1	88	75-125

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D17011-SCV1
Standard ID: 2040302
Sequence: 2D17011
Calibration: 2D17013

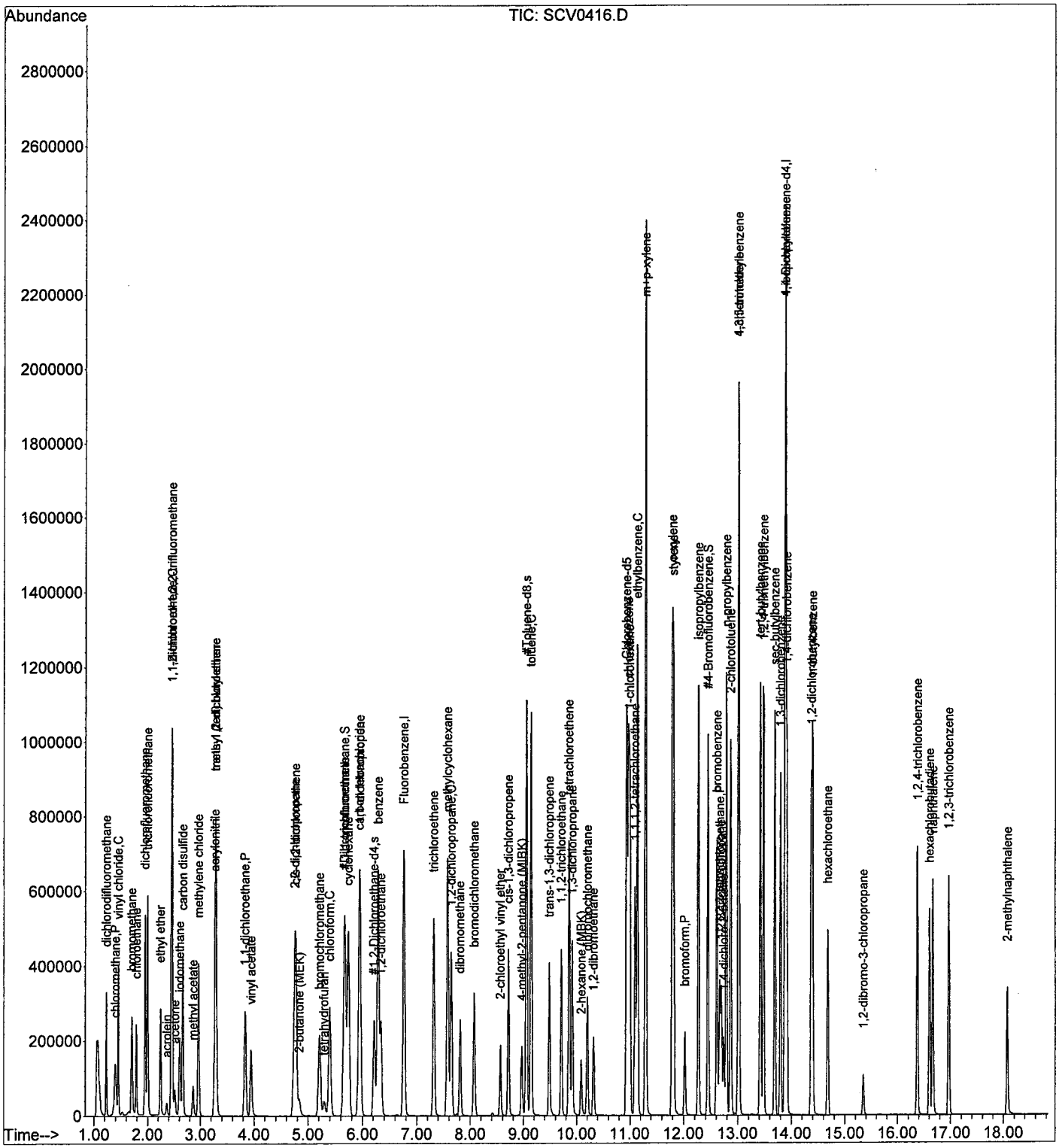
Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Ethylbenzene	40.0	39.9	100	75-125
2-Hexanone	40.0	48.4	121	75-125
Isopropylbenzene	40.0	40.7	102	75-125
Methyl Acetate	40.0	41.0	103	75-125
Methyl tert-Butyl Ether	40.0	41.3	103	75-125
Methylcyclohexane	40.0	42.5	106	75-125
Methylene Chloride	40.0	39.2	98	75-125
2-Butanone (MEK)	40.0	45.7	114	75-125
4-Methyl-2-pentanone (MIBK)	40.0	37.0	93	75-125
Styrene	40.0	40.5	101	75-125
1,1,2,2-Tetrachloroethane	40.0	39.7	99	75-125
Tetrachloroethene	40.0	38.0	95	75-125
Toluene	40.0	39.2	98	75-125
1,2,4-Trichlorobenzene	40.0	47.1	118	75-125
1,1,1-Trichloroethane	40.0	39.3	98	75-125
1,1,2-Trichloroethane	40.0	39.6	99	75-125
Trichloroethene	40.0	38.8	97	75-125
Trichlorofluoromethane	40.0	38.5	96	75-125
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	46.1	115	75-125
Vinyl Chloride	40.0	43.2	108	75-125
Xylene (Total)	120	122	102	75-125
Dibromofluoromethane	40.0	39.2	98	75-125
1,2-Dichloroethane-d4	40.0	39.1	98	75-125
Toluene-d8	40.0	40.2	101	75-125
4-Bromofluorobenzene	40.0	39.7	99	75-125

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : SCV0416.D
Acq On : 16 Apr 2012 17:01
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 17 08:02:32 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 08:01:49 2012
Response via : Initial Calibration



00895

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : SCV0416.D
Acq On : 16 Apr 2012 17:01
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 17 08:02:32 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 08:01:49 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	794769	40.00	ug/L	0.00 106.61%
51) Chlorobenzene-d5	10.94	117	673061	40.00	ug/L	0.00 105.99%
66) 1,4-Dichlorobenzene-d4	13.89	152	378256	40.00	ug/L	0.00 103.83%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	206946	39.17	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.93%		
37) #1,2-Dichloroethane-d4	6.22	65	248985	39.08	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.70%		
47) #Toluene-d8	9.05	98	845104	40.18	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.45%		
65) #4-Bromofluorobenzene	12.45	95	341684	39.69	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.22%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	195067	49.18	ug/L	98
3) chloromethane	1.40	50	222704	45.36	ug/L	98
4) vinyl chloride	1.45	62	251263	43.19	ug/L	99
5) bromomethane	1.70	94	174779	51.12	ug/L	99
6) chloroethane	1.79	64	151608	41.15	ug/L	91
7) dichlorofluoromethane	1.95	67	400059	39.63	ug/L	96
8) trichlorofluoromethane	2.00	101	385519	38.46	ug/L	95
9) ethyl ether	2.25	74	104983	44.82	ug/L	88
10) acrolein	2.36	56	25191	45.58	ug/L #	82
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	191071	46.08	ug/L	98
12) 1,1-dichloroethene	2.46	96	183863	43.23	ug/L #	87
13) acetone	2.52	43	77706	61.49	ug/L	99
14) iodomethane	2.61	142	239519	33.29	ug/L #	90
15) carbon disulfide	2.66	76	514030	43.47	ug/L	97
16) methyl acetate	2.86	43	102594	41.03	ug/L	93
17) methylene chloride	2.96	49	238989	39.22	ug/L	90
18) acrylonitrile	3.26	53	54783	41.65	ug/L #	38
19) trans-1,2-dichloroethene	3.28	96	180402	38.58	ug/L	86
20) methyl (tert) butyl ether	3.29	73	436007	41.26	ug/L	96
21) 1,1-dichloroethane	3.83	63	331031	39.61	ug/L	95
22) vinyl acetate	3.94	43	323085	39.82	ug/L	80
23) 2,2-dichloropropane	4.75	77	252376	44.56	ug/L #	100
24) cis-1,2-dichloroethene	4.77	96	194491	39.73	ug/L	93
25) 2-butanone (MEK)	4.84	43	68473	45.70	ug/L #	39
26) bromochloromethane	5.21	49	147578	40.33	ug/L	96
27) tetrahydrofuran	5.29	71	14991	41.44	ug/L #	65
28) chloroform	5.39	83	339782	38.37	ug/L	93
30) 1,1,1-trichloroethane	5.66	97	316874	39.34	ug/L	97
31) cyclohexane	5.74	56	318842	43.33	ug/L #	87
32) carbon tetrachloride	5.94	117	291267	39.86	ug/L	99
33) 1,1-dichloropropene	5.96	75	277602	39.56	ug/L	98
34) benzene	6.29	78	760399	39.35	ug/L #	95
35) 1,2-dichloroethane	6.34	62	271060	38.24	ug/L	94
36) heptane	6.76	57	26689	No Calib	#	

00896

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : SCV0416.D
Acq On : 16 Apr 2012 17:01
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 17 08:02:32 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Tue Apr 17 08:01:49 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	220084	38.80	ug/L		90
39) methylcyclohexane	7.58	83	327028	42.48	ug/L		95
40) 1,2-dichloropropane	7.64	63	175331	39.25	ug/L		100
41) dibromomethane	7.81	93	104321	39.32	ug/L		95
42) 1,4-dioxane	0.00	88	0	N.D.			
43) bromodichloromethane	8.08	83	241248	37.47	ug/L		91
44) 2-chloroethyl vinyl ether	8.56	63	81719	40.42	ug/L	#	45
45) cis-1,3-dichloropropene	8.71	75	269017	42.34	ug/L		99
46) 4-methyl-2-pentanone (MIBK	8.96	43	133584	37.05	ug/L		65
48) toluene	9.14	91	848563	39.19	ug/L		98
49) trans-1,3-dichloropropene	9.49	75	232662	35.14	ug/L		96
50) 1,1,2-trichloroethane	9.71	83	120727	39.58	ug/L		95
52) tetrachloroethene	9.86	166	260853	38.01	ug/L		97
53) 1,3-dichloropropane	9.92	76	273454	39.28	ug/L		96
54) 2-hexanone (MBK)	10.09	43	108391	48.36	ug/L	#	8
55) dibromochloromethane	10.20	129	179779	39.85	ug/L		99
56) 1,2-dibromoethane	10.32	109	142595	39.98	ug/L		95
57) chlorobenzene	10.97	112	545868	38.41	ug/L		99
58) 1-chlorohexane	11.00	55	196701	40.02	ug/L		91
59) 1,1,1,2-tetrachloroethane	11.09	131	189233	39.24	ug/L		93
60) ethylbenzene	11.14	91	964008	39.92	ug/L		99
61) m+p-xylene	11.30	106	751239	80.88	ug/L		94
62) o-xylene	11.79	106	347913	40.66	ug/L		96
63) styrene	11.81	104	597263	40.53	ug/L		98
64) bromoform	12.02	173	116567	41.26	ug/L		97
67) isopropylbenzene	12.27	105	821216	40.74	ug/L		99
68) bromobenzene	12.61	77	334341	38.73	ug/L		95
69) 1,1,2,2-tetrachloroethane	12.67	83	178993	39.66	ug/L	#	97
70) 1,2,3-trichloropropane	12.70	110	62106	39.84	ug/L	#	61
71) 1,4-dichloro-2-butene	12.74	53	41189	30.44	ug/L	#	100
72) n-propylbenzene	12.79	120	241496	41.70	ug/L		95
73) 2-chlorotoluene	12.87	126	206670	39.08	ug/L		99
74) 1,3,5-trimethylbenzene	13.02	105	701485	41.43	ug/L		98
75) 4-chlorotoluene	13.01	126	216498	40.30	ug/L		92
76) tert-butylbenzene	13.42	119	603847	41.44	ug/L		99
77) 1,2,4-trimethylbenzene	13.48	105	700464	41.32	ug/L		98
78) sec-butylbenzene	13.69	105	796332	41.61	ug/L		100
79) 1,3-dichlorobenzene	13.80	146	415473	39.27	ug/L		99
80) 4-isopropyltoluene	13.89	119	686338	40.10	ug/L		91
81) 1,4-dichlorobenzene	13.92	146	425556	38.31	ug/L	#	97
82) 1,2-dichlorobenzene	14.37	146	394305	39.48	ug/L		98
83) n-butylbenzene	14.40	91	540624	38.28	ug/L		98
84) hexachloroethane	14.68	201	86666	35.73	ug/L	#	70
85) 1,2-dibromo-3-chloropropan	15.35	157	37121	40.82	ug/L	#	1
86) 1,2,4-trichlorobenzene	16.37	180	261738	47.09	ug/L		88
87) hexachlorobutadiene	16.61	225	132131	43.89	ug/L		94
88) naphthalene	16.67	128	541456	46.79	ug/L		87
89) 1,2,3-trichlorobenzene	16.97	180	232887	53.07	ug/L		90
90) 2-methylnaphthalene	18.08	142	190614	79.77	ug/L	#	100

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

00897

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D20008-SCV1
Standard ID: 2040934
Sequence: 2D20008
Calibration: 2D20002

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Acetone	40.0	42.1	105	75-125
Benzene	40.0	40.8	102	75-125
Bromodichloromethane	40.0	40.4	101	75-125
Bromoform	40.0	40.7	102	75-125
Bromomethane	40.0	48.9	122	75-125
Carbon Disulfide	40.0	39.2	98	75-125
Carbon Tetrachloride	40.0	42.0	105	75-125
Chlorobenzene	40.0	40.2	101	75-125
Chloroethane	40.0	38.1	95	75-125
Chloroform	40.0	39.9	100	75-125
Chloromethane	40.0	40.9	102	75-125
Cyclohexane	40.0	43.4	109	75-125
1,2-Dibromo-3-chloropropane	40.0	37.0	93	75-125
Dibromochloromethane	40.0	41.7	104	75-125
1,2-Dibromoethane	40.0	41.7	104	75-125
1,2-Dichlorobenzene	40.0	41.9	105	75-125
1,3-Dichlorobenzene	40.0	41.2	103	75-125
1,4-Dichlorobenzene	40.0	40.9	102	75-125
Dichlorodifluoromethane	40.0	40.5	101	75-125
1,1-Dichloroethane	40.0	40.6	102	75-125
1,2-Dichloroethane	40.0	39.7	99	75-125
1,1-Dichloroethene	40.0	40.4	101	75-125
cis-1,2-Dichloroethene	40.0	41.3	103	75-125
trans-1,2-Dichloroethene	40.0	38.0	95	75-125
1,2-Dichloropropane	40.0	41.3	103	75-125
cis-1,3-Dichloropropene	40.0	40.1	100	75-125
trans-1,3-Dichloropropene	40.0	39.2	98	75-125

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D20008-SCV1
Standard ID: 2040934
Sequence: 2D20008
Calibration: 2D20002

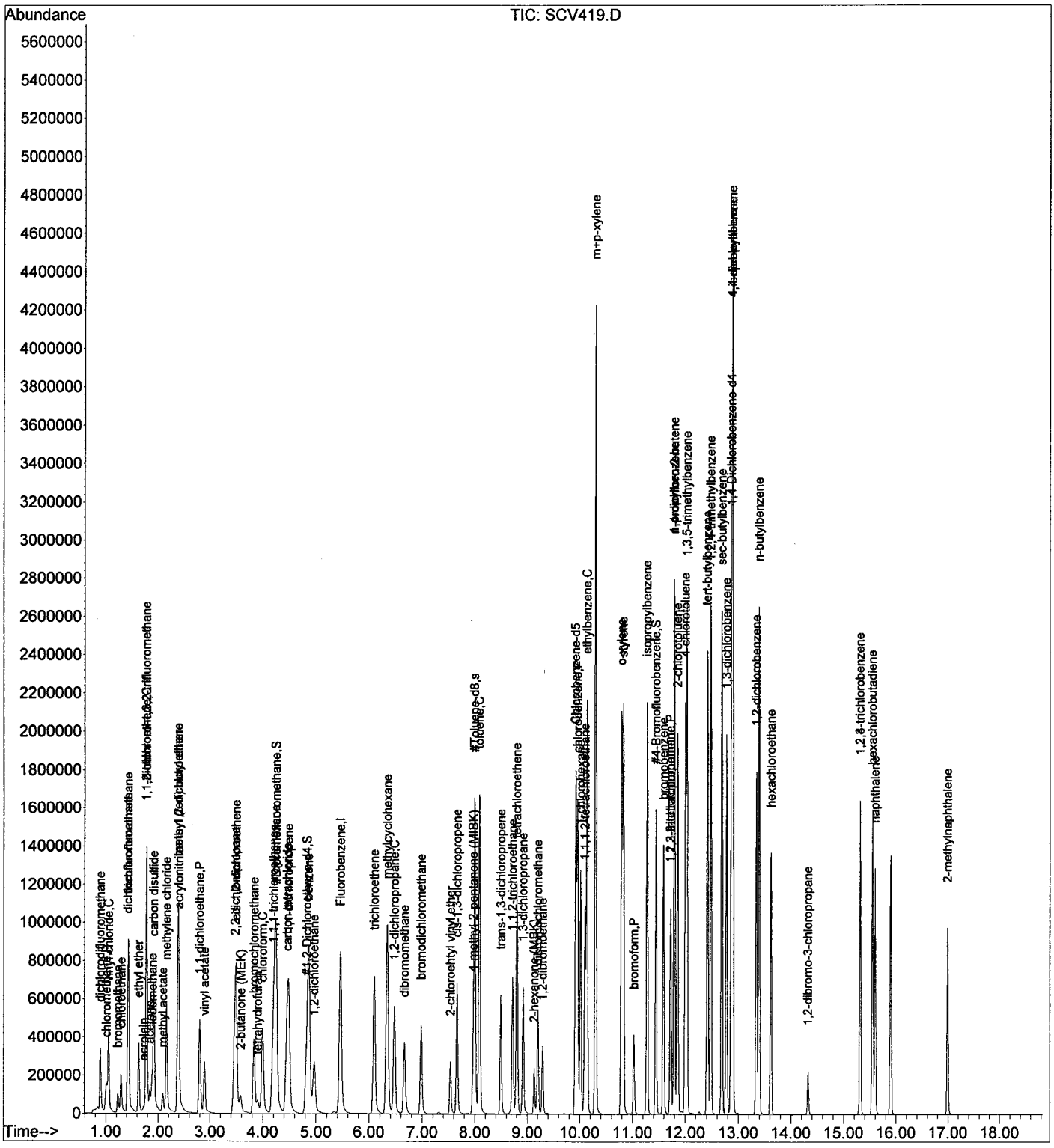
Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Ethylbenzene	40.0	42.3	106	75-125
2-Hexanone	40.0	41.4	104	75-125
Isopropylbenzene	40.0	44.9	112	75-125
Methyl Acetate	40.0	41.0	103	75-125
Methyl tert-Butyl Ether	40.0	40.4	101	75-125
Methylcyclohexane	40.0	44.6	112	75-125
Methylene Chloride	40.0	44.0	110	75-125
2-Butanone (MEK)	40.0	40.0	100	75-125
4-Methyl-2-pentanone (MIBK)	40.0	42.0	105	75-125
Styrene	40.0	43.5	109	75-125
1,1,2,2-Tetrachloroethane	40.0	40.3	101	75-125
Tetrachloroethene	40.0	41.7	104	75-125
Toluene	40.0	40.4	101	75-125
1,2,4-Trichlorobenzene	40.0	44.8	112	75-125
1,1,1-Trichloroethane	40.0	41.5	104	75-125
1,1,2-Trichloroethane	40.0	40.4	101	75-125
Trichloroethene	40.0	41.1	103	75-125
Trichlorofluoromethane	40.0	39.0	98	75-125
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	40.9	102	75-125
Vinyl Chloride	40.0	40.8	102	75-125
Xylene (Total)	120	130	108	75-125
Dibromofluoromethane	40.0	39.0	98	75-125
1,2-Dichloroethane-d4	40.0	39.2	98	75-125
Toluene-d8	40.0	40.2	101	75-125
4-Bromofluorobenzene	40.0	39.6	99	75-125

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : SCV419.D
InstName : 323
Acq On : 19 Apr 2012 3:40 pm
Operator : LEW
Sample : SCV419
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 19 16:42:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : SCV419.D
InstName : 323
Acq On : 19 Apr 2012 3:40 pm
Operator : LEW
Sample : SCV419
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 19 16:42:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.46	96	1405837	40.00	ug/L	0.00 102.50%
50) Chlorobenzene-d5	9.92	117	1122015	40.00	ug/L	0.00 102.34%
65) 1,4-Dichlorobenzene-d4	12.86	152	702954	40.00	ug/L	0.00 100.37%
System Monitoring Compounds						
30) #Dibromofluoromethane	4.25	111	337792	39.01	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.52%		
37) #1,2-Dichloroethane-d4	4.82	67	179241	39.19	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.97%		
46) #Toluene-d8	7.99	98	1368679	40.20	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.50%		
64) #4-Bromofluorobenzene	11.44	95	553807	39.58	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.95%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.89	85	343086	40.53	ug/L	99
3) chloromethane	1.01	50	316551	40.94	ug/L	98
4) vinyl chloride	1.05	62	390250	40.82	ug/L	97
5) bromomethane	1.23	94	95307	48.89	ug/L	99
6) chloroethane	1.29	64	180350	38.14	ug/L	98
7) dichlorofluoromethane	1.41	67	567026	39.65	ug/L	99
8) trichlorofluoromethane	1.43	101	484495	39.02	ug/L	96
9) ethyl ether	1.62	74	180440	40.84	ug/L	87
10) acrolein	1.72	56	25282	38.30	ug/L #	97
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	320929	40.87	ug/L	94
12) 1,1-dichloroethene	1.77	96	300069	40.45	ug/L #	82
13) acetone	1.84	43	106166	42.13	ug/L	72
14) iodomethane	1.88	142	321927	36.70	ug/L	91
15) carbon disulfide	1.91	76	969141	39.21	ug/L	100
16) methyl acetate	2.09	43	125665	41.01	ug/L #	91
17) methylene chloride	2.16	49	321306	44.01	ug/L	88
18) acrylonitrile	2.40	53	80956	34.53	ug/L	93
19) trans-1,2-dichloroethene	2.38	96	346398	38.03	ug/L	90
20) methyl (tert) butyl ether	2.39	73	633931	40.35	ug/L	96
21) 1,1-dichloroethane	2.79	63	579233	40.64	ug/L	98
22) vinyl acetate	2.89	43	483105	46.79	ug/L	99
23) 2,2-dichloropropane	3.47	77	393136	47.73	ug/L	90
24) cis-1,2-dichloroethene	3.50	96	402347	41.34	ug/L	93
25) 2-butanone (MEK)	3.58	43	128648	39.95	ug/L	96
26) bromochloromethane	3.83	49	244263	39.74	ug/L #	83
27) tetrahydrofuran	3.90	71	26572	40.27	ug/L #	87
28) chloroform	3.99	83	577272	39.88	ug/L	99
29) 1,1,1-trichloroethane	4.19	97	485566	41.48	ug/L	95
31) cyclohexane	4.23	56	594662	43.37	ug/L	92
32) carbon tetrachloride	4.45	117	472112	41.96	ug/L	99
33) 1,1-dichloropropene	4.49	75	477114	42.89	ug/L	97
34) benzene	4.86	78	1441399	40.80	ug/L	91
35) 1,2-dichloroethane	4.97	62	363733	39.67	ug/L	88
36) heptane	4.23	57	26582	No Calib	#	

00901

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-19-12\
Data File : SCV419.D
InstName : 323
Acq On : 19 Apr 2012 3:40 pm
Operator : LEW
Sample : SCV419
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 19 16:42:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	402884	41.11	ug/L		100
39) methylcyclohexane	6.34	83	677573	44.61	ug/L		98
40) 1,2-dichloropropane	6.47	63	317587	41.26	ug/L		96
41) dibromomethane	6.66	93	176878	39.45	ug/L		94
42) bromodichloromethane	6.98	83	409804	40.43	ug/L		98
43) 2-chloroehtyl vinyl ether	7.54	63	148852	38.81	ug/L		98
44) cis-1,3-dichloropropene	7.66	75	498636	40.06	ug/L		88
45) 4-methyl-2-pentanone (MIBK	7.96	43	176262	42.01	ug/L	#	93
47) toluene	8.08	91	1546377	40.38	ug/L		99
48) trans-1,3-dichloropropene	8.49	75	380813	39.22	ug/L		93
49) 1,1,2-trichloroethane	8.72	83	224932	40.41	ug/L		96
51) tetrachloroethene	8.80	166	455509	41.70	ug/L		98
52) 1,3-dichloropropane	8.92	76	486372	41.53	ug/L		99
53) 2-hexanone (MBK)	9.13	43	170669	41.40	ug/L		93
54) dibromochloromethane	9.20	129	326845	41.66	ug/L		98
55) 1,2-dibromoethane	9.29	109	258031	41.73	ug/L		98
56) chlorobenzene	9.96	112	1062338	40.16	ug/L		96
57) 1-chlorohexane	10.02	55	316644	42.45	ug/L		94
58) 1,1,1,2-tetrachloroethane	10.10	131	351092	41.83	ug/L		95
59) ethylbenzene	10.14	91	1737745	42.30	ug/L		97
60) m+p-xylene	10.30	106	1436379	86.24	ug/L	#	85
61) o-xylene	10.78	106	692946	43.95	ug/L	#	85
62) styrene	10.82	104	1174055	43.49	ug/L		85
63) bromoform	11.03	173	215941	40.68	ug/L		98
66) isopropylbenzene	11.27	105	1563199	44.86	ug/L		97
67) bromobenzene	11.58	77	643164	41.03	ug/L		95
68) 1,1,2,2-tetrachloroethane	11.72	83	335013	40.34	ug/L	#	98
69) 1,2,3-trichloropropane	11.73	110	104120	41.16	ug/L		95
70) 1,4-dichloro-2-butene	11.79	53	90177	43.70	ug/L	#	79
71) n-propylbenzene	11.79	120	537663	43.63	ug/L		98
72) 2-chlorotoluene	11.85	126	448650	40.80	ug/L		90
73) 1,3,5-trimethylbenzene	12.03	105	1529425	43.09	ug/L		90
74) 4-chlorotoluene	12.00	91	1409220	42.42	ug/L		96
75) tert-butylbenzene	12.41	119	1361163	44.19	ug/L		95
76) 1,2,4-trimethylbenzene	12.48	105	1537442	43.83	ug/L		91
77) sec-butylbenzene	12.69	105	2023987	44.02	ug/L		99
78) 1,3-dichlorobenzene	12.78	146	933646	41.15	ug/L		98
79) 4-isopropyltoluene	12.89	119	1706704	44.27	ug/L		95
80) 1,4-dichlorobenzene	12.89	146	941413	40.87	ug/L		98
81) 1,2-dichlorobenzene	13.34	146	848571	41.87	ug/L		98
82) n-butylbenzene	13.39	91	1569078	45.05	ug/L		99
83) hexachloroethane	13.62	201	273741	41.39	ug/L		97
84) 1,2-dibromo-3-chloropropan	14.32	157	74097	36.99	ug/L		93
85) 1,2,4-trichlorobenzene	15.31	180	583707	44.80	ug/L		98
86) hexachlorobutadiene	15.54	225	351297	42.49	ug/L		99
87) naphthalene	15.60	128	1069728	40.30	ug/L		95
88) 1,2,3-trichlorobenzene	15.31	180	583707	44.80	ug/L		98
89) 2-methylnaphthalene	16.99	142	507591	41.80	ug/L		94

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

00902

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2E03010-SCV1
Standard ID: 2041016
Sequence: 2E03010
Calibration: 2E03002

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Acetone	40.0	35.1	88	75-125
Benzene	40.0	39.5	99	75-125
Bromodichloromethane	40.0	38.2	96	75-125
Bromoform	40.0	33.1	83	75-125
Bromomethane	40.0	40.6	102	75-125
Carbon Disulfide	40.0	38.2	96	75-125
Carbon Tetrachloride	40.0	39.4	99	75-125
Chlorobenzene	40.0	38.9	97	75-125
Chloroethane	40.0	34.6	87	75-125
Chloroform	40.0	38.8	97	75-125
Chloromethane	40.0	33.4	84	75-125
Cyclohexane	40.0	39.4	99	75-125
1,2-Dibromo-3-chloropropane	40.0	33.6	84	75-125
Dibromochloromethane	40.0	34.5	86	75-125
1,2-Dibromoethane	40.0	40.2	101	75-125
1,2-Dichlorobenzene	40.0	38.8	97	75-125
1,3-Dichlorobenzene	40.0	38.1	95	75-125
1,4-Dichlorobenzene	40.0	39.4	99	75-125
Dichlorodifluoromethane	40.0	25.4	64 *	75-125
1,1-Dichloroethane	40.0	38.9	97	75-125
1,2-Dichloroethane	40.0	38.8	97	75-125
1,1-Dichloroethene	40.0	35.6	89	75-125
cis-1,2-Dichloroethene	40.0	39.6	99	75-125
trans-1,2-Dichloroethene	40.0	38.0	95	75-125
1,2-Dichloropropane	40.0	39.0	98	75-125
cis-1,3-Dichloropropene	40.0	41.3	103	75-125
trans-1,3-Dichloropropene	40.0	36.9	92	75-125

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2E03010-SCV1
Standard ID: 2041016
Sequence: 2E03010
Calibration: 2E03002

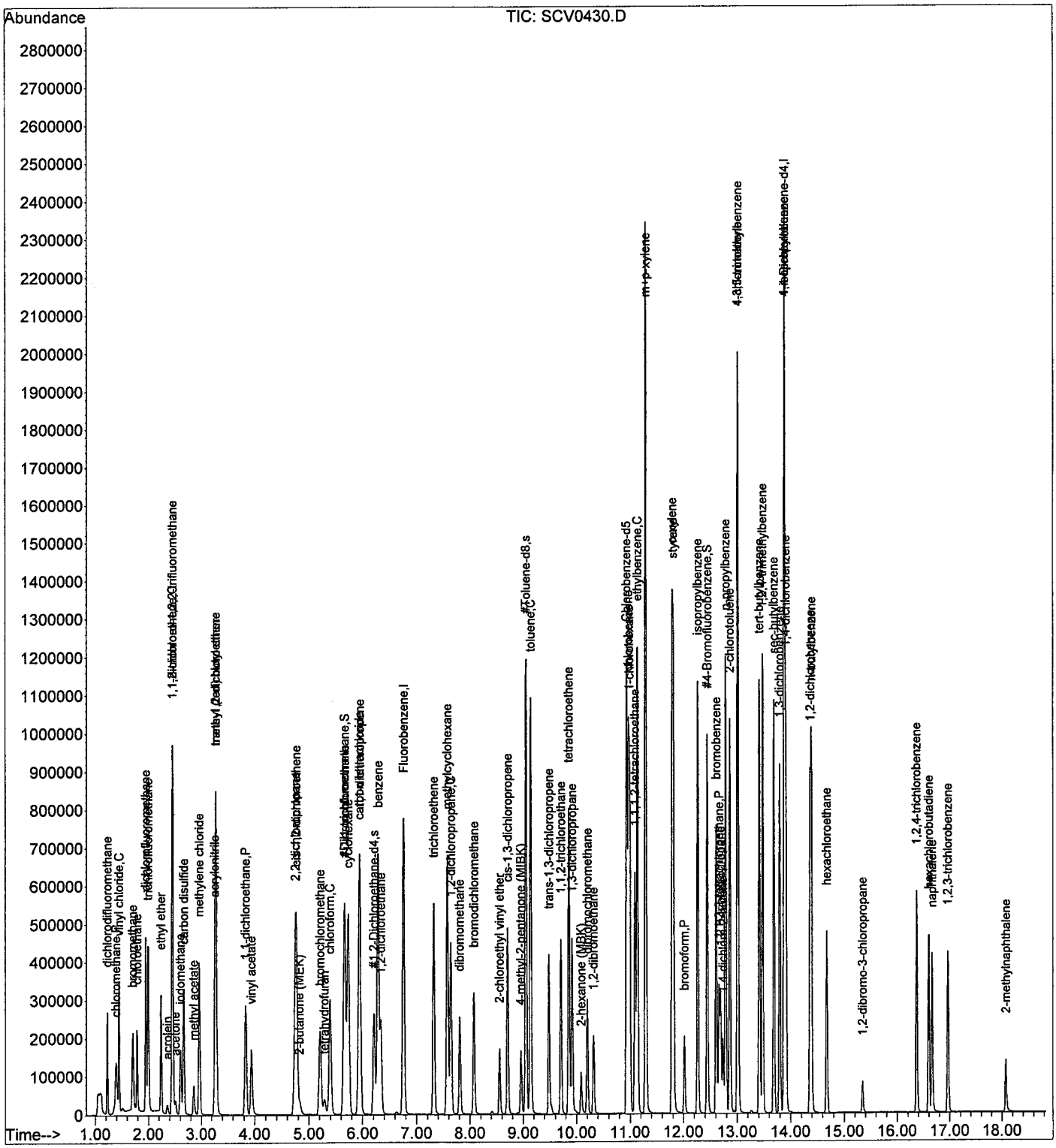
Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Ethylbenzene	40.0	39.5	99	75-125
2-Hexanone	40.0	37.1	93	75-125
Isopropylbenzene	40.0	36.9	92	75-125
Methyl Acetate	40.0	34.4	86	75-125
Methyl tert-Butyl Ether	40.0	38.9	97	75-125
Methylcyclohexane	40.0	39.4	99	75-125
Methylene Chloride	40.0	37.2	93	75-125
2-Butanone (MEK)	40.0	34.8	87	75-125
4-Methyl-2-pentanone (MIBK)	40.0	37.6	94	75-125
Styrene	40.0	39.1	98	75-125
1,1,2,2-Tetrachloroethane	40.0	38.5	96	75-125
Tetrachloroethene	40.0	39.2	98	75-125
Toluene	40.0	39.0	98	75-125
1,2,4-Trichlorobenzene	40.0	38.6	97	75-125
1,1,1-Trichloroethane	40.0	39.8	100	75-125
1,1,2-Trichloroethane	40.0	40.0	100	75-125
Trichloroethene	40.0	38.6	97	75-125
Trichlorofluoromethane	40.0	35.0	88	75-125
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	39.3	98	75-125
Vinyl Chloride	40.0	34.8	87	75-125
Xylene (Total)	120	118	98	75-125
Dibromofluoromethane	40.0	40.2	101	75-125
1,2-Dichloroethane-d4	40.0	40.4	101	75-125
Toluene-d8	40.0	40.1	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\1\DATA\04-30-12\
InstName : 224
Data File : SCV0430.D
Acq On : 30 Apr 2012 13:43
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 30 14:01:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration



00905

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : SCV0430.D
Acq On : 30 Apr 2012 13:43
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 30 14:01:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	882026	40.00	ug/L	0.00 98.97%
51) Chlorobenzene-d5	10.94	117	690178	40.00	ug/L	0.00 99.07%
66) 1,4-Dichlorobenzene-d4	13.89	152	391448	40.00	ug/L	0.00 98.94%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	214106	40.18	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.45%		
37) #1,2-Dichloroethane-d4	6.21	65	248624	40.42	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.05%		
47) #Toluene-d8	9.06	98	873541	40.11	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.28%		
65) #4-Bromofluorobenzene	12.44	95	337296	40.16	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.40%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	162983	25.44	ug/L	99
3) chloromethane	1.40	50	198245	33.38	ug/L	100
4) vinyl chloride	1.45	62	227212	34.79	ug/L	99
5) bromomethane	1.71	94	156133	40.62	ug/L	100
6) chloroethane	1.79	64	142007	34.60	ug/L	99
7) dichlorofluoromethane	1.95	67	348031	39.99	ug/L	100
8) trichlorofluoromethane	1.99	101	292201	34.98	ug/L	100
9) ethyl ether	2.24	74	110616	44.87	ug/L	99
10) acrolein	2.36	56	22142	38.69	ug/L #	99
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	185220	39.33	ug/L	99
12) 1,1-dichloroethene	2.46	96	166913	35.59	ug/L	98
13) acetone	2.52	43	37831	35.06	ug/L	99
14) iodomethane	2.61	142	209736	29.71	ug/L	100
15) carbon disulfide	2.67	76	420827	38.19	ug/L	99
16) methyl acetate	2.86	43	100413	34.38	ug/L	99
17) methylene chloride	2.96	49	230682	37.21	ug/L	99
18) acrylonitrile	3.25	53	50452	38.15	ug/L	98
19) trans-1,2-dichloroethene	3.27	96	188313	38.03	ug/L	98
20) methyl (tert) butyl ether	3.28	73	489204	38.90	ug/L	100
21) 1,1-dichloroethane	3.83	63	336800	38.91	ug/L	99
22) vinyl acetate	3.94	43	324501	39.51	ug/L	99
23) 2,2-dichloropropane	4.75	77	285152	40.31	ug/L	99
24) cis-1,2-dichloroethene	4.77	96	212288	39.61	ug/L	99
25) 2-butanone (MEK)	4.83	43	49795	34.82	ug/L	97
26) bromochloromethane	5.21	49	147692	39.08	ug/L	99
27) tetrahydrofuran	5.30	71	14261	37.19	ug/L	98
28) chloroform	5.39	83	331479	38.83	ug/L	100
30) 1,1,1-trichloroethane	5.66	97	324965	39.79	ug/L	99
31) cyclohexane	5.74	56	341310	39.44	ug/L	99
32) carbon tetrachloride	5.94	117	270719	39.39	ug/L	100
33) 1,1-dichloropropene	5.96	75	273157	38.69	ug/L	99
34) benzene	6.28	78	799086	39.54	ug/L	100
35) 1,2-dichloroethane	6.34	62	257214	38.81	ug/L	99
36) heptane	6.76	57	28604	No Calib	#	

00906

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-30-12\
InstName : 224
Data File : SCV0430.D
Acq On : 30 Apr 2012 13:43
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 30 14:01:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	231330	38.63	ug/L		100
39) methylcyclohexane	7.58	83	333183	39.38	ug/L		100
40) 1,2-dichloropropane	7.64	63	182584	39.04	ug/L		99
41) dibromomethane	7.81	93	98864	38.77	ug/L		100
42) 1,4-dioxane	0.00	88	0	N.D.			
43) bromodichloromethane	8.08	83	226978	38.20	ug/L		99
44) 2-chloroethyl vinyl ether	8.56	63	76645	40.37	ug/L		99
45) cis-1,3-dichloropropene	8.71	75	282063	41.34	ug/L		99
46) 4-methyl-2-pentanone (MIBK	8.96	43	125202	37.63	ug/L		98
48) toluene	9.14	91	877218	38.95	ug/L		100
49) trans-1,3-dichloropropene	9.49	75	228682	36.90	ug/L		98
50) 1,1,2-trichloroethane	9.71	83	119795	39.96	ug/L		99
52) tetrachloroethene	9.86	166	275932	39.21	ug/L		100
53) 1,3-dichloropropane	9.92	76	268408	39.95	ug/L		100
54) 2-hexanone (MBK)	10.09	43	82333	37.06	ug/L		98
55) dibromochloromethane	10.20	129	162413	34.53	ug/L		100
56) 1,2-dibromoethane	10.32	109	143075	40.24	ug/L		98
57) chlorobenzene	10.97	112	562521	38.91	ug/L		98
58) 1-chlorohexane	11.00	55	185035	38.69	ug/L		98
59) 1,1,1,2-tetrachloroethane	11.09	131	188509	40.64	ug/L		99
60) ethylbenzene	11.14	91	966872	39.50	ug/L		99
61) m+p-xylene	11.30	106	779854	78.90	ug/L		100
62) o-xylene	11.79	106	366779	39.49	ug/L		98
63) styrene	11.81	104	621542	39.06	ug/L		97
64) bromoform	12.02	173	101654	33.12	ug/L		100
67) isopropylbenzene	12.27	105	803388	36.91	ug/L		100
68) bromobenzene	12.61	77	338513	38.83	ug/L		99
69) 1,1,2,2-tetrachloroethane	12.67	83	162614	38.52	ug/L	#	99
70) 1,2,3-trichloropropane	12.70	110	56723	38.24	ug/L	#	78
71) 1,4-dichloro-2-butene	12.74	53	43914	33.48	ug/L		95
72) n-propylbenzene	12.79	120	248924	39.01	ug/L		97
73) 2-chlorotoluene	12.87	126	219184	38.95	ug/L		99
74) 1,3,5-trimethylbenzene	13.02	105	719662	40.42	ug/L		99
75) 4-chlorotoluene	13.01	126	224136	38.56	ug/L		99
76) tert-butylbenzene	13.42	119	606371	38.90	ug/L		99
77) 1,2,4-trimethylbenzene	13.48	105	721907	40.07	ug/L		99
78) sec-butylbenzene	13.69	105	799290	39.27	ug/L		100
79) 1,3-dichlorobenzene	13.80	146	429489	38.11	ug/L		99
80) 4-isopropyltoluene	13.89	119	676488	37.72	ug/L		99
81) 1,4-dichlorobenzene	13.92	146	457228	39.39	ug/L		99
82) 1,2-dichlorobenzene	14.37	146	406487	38.76	ug/L		100
83) n-butylbenzene	14.39	91	524212	39.82	ug/L		100
84) hexachloroethane	14.68	201	78621	32.10	ug/L	#	84
85) 1,2-dibromo-3-chloropropan	15.35	157	27346	33.61	ug/L		99
86) 1,2,4-trichlorobenzene	16.37	180	222675	38.61	ug/L		100
87) hexachlorobutadiene	16.61	225	111989	38.23	ug/L		100
88) naphthalene	16.67	128	383618	39.32	ug/L		100
89) 1,2,3-trichlorobenzene	16.97	180	161177	39.06	ug/L		99
90) 2-methylnaphthalene	18.08	142	85217	37.12	ug/L		98

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

CONTINUING CALIBRATION CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D06049-CCV1
Lab File ID: CCV0406.D
Injection Date: 04/06/12
Injection Time: 08:11
Calibration Date: 04/05/12 00:00
Calibration: 2D06026
Sequence: 2D06049
Instrument ID: 328

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	40.0	32.1	0.107341	8.608189E-02		-19.8	40
Benzene	A	40.0	39.6	1.030161	1.020881		-0.9	25
Bromodichloromethane	A	40.0	41.0	0.404729	0.41505		2.6	25
Bromoform	A	40.0	43.1	0.2289258	0.246674	0.1	7.8	25
Bromomethane	L	40.0	40.2	0.2010856	0.1817636		0.5	25
Carbon Disulfide	A	40.0	38.7	0.802853	0.776071		-3.3	25
Carbon Tetrachloride	A	40.0	40.4	0.5276078	0.5335939		1.1	25
Chlorobenzene	A	40.0	39.0	1.000111	0.9739873	0.3	-2.6	25
Chloroethane	A	40.0	36.9	0.1846499	0.1703625		-7.7	25
Chloroform	A	40.0	39.2	0.5657689	0.5546677		-2.0	20
Chloromethane	A	40.0	37.0	0.2320351	0.2145749	0.1	-7.5	25
Cyclohexane	A	40.0	43.2	0.3493148	0.3776967		8.1	25
1,2-Dibromo-3-chloropropane	A	40.0	43.6	9.859687E-02	0.1073507		8.9	25
Dibromochloromethane	A	40.0	42.6	0.3544832	0.3770921		6.4	25
1,2-Dibromoethane	A	40.0	41.1	0.264227	0.2713039		2.7	25
1,2-Dichlorobenzene	A	40.0	40.9	1.148789	1.174227		2.2	25
1,3-Dichlorobenzene	A	40.0	40.1	1.277204	1.279717		0.2	25
1,4-Dichlorobenzene	A	40.0	38.8	1.320126	1.281168		-3.0	25
Dichlorodifluoromethane	A	40.0	35.5	0.2799446	0.2483725		-11.3	25
1,1-Dichloroethane	A	40.0	38.4	0.5163196	0.495348	0.1	-4.1	25
1,2-Dichloroethane	A	40.0	39.2	0.4739068	0.4645693		-2.0	25
1,1-Dichloroethene	A	40.0	38.2	0.2726621	0.2601715		-4.6	20
cis-1,2-Dichloroethene	A	40.0	40.5	0.2922642	0.2957898		1.2	25
trans-1,2-Dichloroethene	A	40.0	39.6	0.2983927	0.295046		-1.1	25
1,2-Dichloropropane	A	40.0	39.8	0.233172	0.2319507		-0.5	20
cis-1,3-Dichloropropene	A	40.0	44.8	0.3608064	0.4036973		11.9	25
trans-1,3-Dichloropropene	L	40.0	39.4	0.3624556	0.4037426		-1.4	25
Ethylbenzene	A	40.0	41.1	1.653626	1.700704		2.8	20
2-Hexanone	L	40.0	36.8	0.1367577	0.1398634		-8.0	40

CONTINUING CALIBRATION CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D06049-CCV1
Lab File ID: CCV0406.D
Injection Date: 04/06/12
Injection Time: 08:11
Calibration Date: 04/05/12 00:00
Calibration: 2D06026
Sequence: 2D06049
Instrument ID: 328

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropylbenzene	A	40.0	43.8	2.200169	2.411644		9.6	25
Methyl Acetate	A	40.0	37.2	0.1659929	0.1545519		-6.9	25
Methyl tert-Butyl Ether	A	40.0	39.5	0.6994547	0.6901508		-1.3	25
Methylcyclohexane	A	40.0	45.8	0.35899	0.4111774		14.5	25
Methylene Chloride	L	40.0	45.1	0.4022761	0.36485		12.7	25
2-Butanone (MEK)	A	40.0	37.4	9.380433E-02	8.771178E-02		-6.5	40
4-Methyl-2-pentanone (MIBK)	L	40.0	38.6	0.1628687	0.17234		-3.5	40
Styrene	A	40.0	43.0	1.018772	1.096187		7.6	25
1,1,2,2-Tetrachloroethane	A	40.0	39.6	0.5043443	0.4998825	0.3	-0.9	25
Tetrachloroethene	A	40.0	39.1	0.46602	0.4553094		-2.3	25
Toluene	A	40.0	40.1	1.161617	1.163922		0.2	20
1,2,4-Trichlorobenzene	A	40.0	43.2	0.6134893	0.6619376		7.9	25
1,1,1-Trichloroethane	A	40.0	40.2	0.5482425	0.5506479		0.4	25
1,1,2-Trichloroethane	A	40.0	39.9	0.1768998	0.1766557		-0.1	25
Trichloroethene	A	40.0	39.8	0.3263942	0.3248044		-0.5	25
Trichlorofluoromethane	A	40.0	37.7	0.6524394	0.6154199		-5.7	25
1,1,2-Trichloro-1,2,2-trifluoroethane	A	40.0	37.8	0.2741565	0.2593759		-5.4	25
Vinyl Chloride	A	40.0	36.8	0.2764005	0.2542728		-8.0	20
Xylene (Total)	A	120	127	0.6143178	0.6471944		5.4	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\04-06-12\
InstName : 328
Data File : CCV0406.D
Acq On : 6 Apr 2012 8:11
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 06 08:42:14 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 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	99	-0.01
2		dichlorodifluoromethane	0.280	0.248	11.4	90	0.00
3	P	chloromethane	0.232	0.215	7.3	92	0.00
4	C	vinyl chloride	0.276	0.254	8.0	89	0.00
5		bromomethane	0.201	0.182	9.5	99	0.00
6		chloroethane	0.185	0.170	8.1	93	0.00
7		dichlorofluoromethane	0.588	0.561	4.6	96	0.00
8		trichlorofluoromethane	0.652	0.615	5.7	95	0.00
9		ethyl ether	0.123	0.118	4.1	93	0.00
10		acrolein	0.032	0.032	0.0	90	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.274	0.259	5.5	95	0.00
12	C	1,1-dichloroethene	0.273	0.260	4.8	94	0.00
13		acetone	0.107	0.086	19.6	83	0.00
14		iodomethane	0.389	0.379	2.6	87	0.00
15		carbon disulfide	0.803	0.776	3.4	96	0.00
16		methyl acetate	0.166	0.155	6.6	94	0.00
17		methylene chloride	0.402	0.365	9.2	106	-0.01
18		acrylonitrile	0.083	0.083	0.0	100	0.00
19		trans-1,2-dichloroethene	0.298	0.295	1.0	102	0.00
20		methyl (tert) butyl ether	0.699	0.690	1.3	95	0.00
21	P	1,1-dichloroethane	0.516	0.495	4.1	95	0.00
22		vinyl acetate	0.416	0.475	-14.2	98	0.00
23		2,2-dichloropropane	0.417	0.449	-7.7	102	0.00
24		cis-1,2-dichloroethene	0.292	0.296	-1.4	97	-0.01
25		2-butanone (MEK)	0.094	0.088	6.4	85	0.00
26		bromochloromethane	0.205	0.200	2.4	97	-0.01
27		tetrahydrofuran	0.019	0.020	-5.3	93	0.00
28	C	chloroform	0.566	0.555	1.9	98	-0.01
29	S	#Dibromofluoromethane	0.311	0.312	-0.3	100	-0.02
30		1,1,1-trichloroethane	0.548	0.551	-0.5	98	-0.01
31		cyclohexane	0.349	0.378	-8.3	98	-0.01
32		carbon tetrachloride	0.528	0.534	-1.1	98	-0.01
33		1,1-dichloropropene	0.399	0.412	-3.3	97	-0.01
34		benzene	1.030	1.021	0.9	97	-0.01
35		1,2-dichloroethane	0.474	0.465	1.9	99	-0.01
36		heptane	0.000	0.034	0.0	0#	-0.01
37	s	#1,2-Dichloroethane-d4	0.189	0.186	1.6	98	-0.01
38		trichloroethene	0.326	0.325	0.3	97	-0.01
39		methylcyclohexane	0.359	0.411	-14.5	104	-0.01
40	C	1,2-dichloropropane	0.233	0.232	0.4	98	0.00
41		dibromomethane	0.170	0.168	1.2	98	-0.01
42		1,4-dioxane	0.000	0.000	0.0	0#	-6.99#
43		bromodichloromethane	0.405	0.415	-2.5	100	0.00
44		2-chloroethyl vinyl ether	0.033	0.037	-12.1	98	0.00
45		cis-1,3-dichloropropene	0.361	0.404	-11.9	100	-0.01
46		4-methyl-2-pentanone (MIBK)	0.163	0.172	-5.5	92	0.00
47	s	#Toluene-d8	1.031	1.041	-1.0	99	0.00

00910

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : CCV0406.D
Acq On : 6 Apr 2012 8:11
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 06 08:42:14 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 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	1.162	1.164	-0.2	97	0.00
49		trans-1,3-dichloropropene	0.362	0.404	-11.6	100	0.00
50		1,1,2-trichloroethane	0.177	0.177	0.0	98	0.00
51		Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
52		tetrachloroethene	0.466	0.455	2.4	99	0.00
53		1,3-dichloropropane	0.461	0.472	-2.4	99	0.00
54		2-hexanone (MBK)	0.137	0.140	-2.2	88	0.00
55		dibromochloromethane	0.354	0.377	-6.5	100	-0.01
56		1,2-dibromoethane	0.264	0.271	-2.7	98	0.00
57	P	chlorobenzene	1.000	0.974	2.6	98	-0.01
58		1-chlorohexane	0.316	0.330	-4.4	100	-0.01
59		1,1,1,2-tetrachloroethane	0.379	0.386	-1.8	98	0.00
60	C	ethylbenzene	1.654	1.701	-2.8	98	0.00
61		m+p-xylene	0.632	0.657	-4.0	98	0.00
62		o-xylene	0.579	0.628	-8.5	99	0.00
63		styrene	1.019	1.096	-7.6	98	-0.01
64	P	bromoform	0.229	0.247	-7.9	101	0.00
65	S	#4-Bromofluorobenzene	0.556	0.559	-0.5	100	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
67		isopropylbenzene	2.200	2.412	-9.6	99	0.00
68		bromobenzene	0.971	0.955	1.6	98	0.00
69	P	1,1,2,2-tetrachloroethane	0.504	0.500	0.8	97	0.00
70		1,2,3-trichloropropane	0.195	0.194	0.5	98	0.00
71		1,4-dichloro-2-butene	0.165	0.182	-10.3	99	0.00
72		n-propylbenzene	0.669	0.719	-7.5	100	0.00
73		2-chlorotoluene	0.621	0.633	-1.9	98	0.00
74		1,3,5-trimethylbenzene	2.040	2.174	-6.6	99	0.00
75		4-chlorotoluene	2.066	2.147	-3.9	99	0.00
76		tert-butylbenzene	1.679	1.866	-11.1	100	0.00
77		1,2,4-trimethylbenzene	2.016	2.190	-8.6	100	0.00
78		sec-butylbenzene	2.320	2.588	-11.6	102	0.00
79		1,3-dichlorobenzene	1.277	1.280	-0.2	99	0.00
80		4-isopropyltoluene	2.171	2.287	-5.3	102	0.00
81		1,4-dichlorobenzene	1.320	1.281	3.0	99	0.00
82		1,2-dichlorobenzene	1.149	1.174	-2.2	100	0.00
83		n-butylbenzene	1.617	1.831	-13.2	103	0.00
84		hexachloroethane	0.286	0.318	-11.2	102	0.00
85		1,2-dibromo-3-chloropropane	0.099	0.107	-8.1	98	0.00
86		1,2,4-trichlorobenzene	0.613	0.662	-8.0	99	0.00
87		hexachlorobutadiene	0.340	0.349	-2.6	105	0.00
88		naphthalene	1.211	1.305	-7.8	95	0.00
89		1,2,3-trichlorobenzene	0.554	0.569	-2.7	96	0.00
90		2-methylnaphthalene	0.334	0.345	-3.3	82	0.00

00911

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : CCV0406.D
Acq On : 6 Apr 2012 8:11
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 06 08:42:14 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 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)

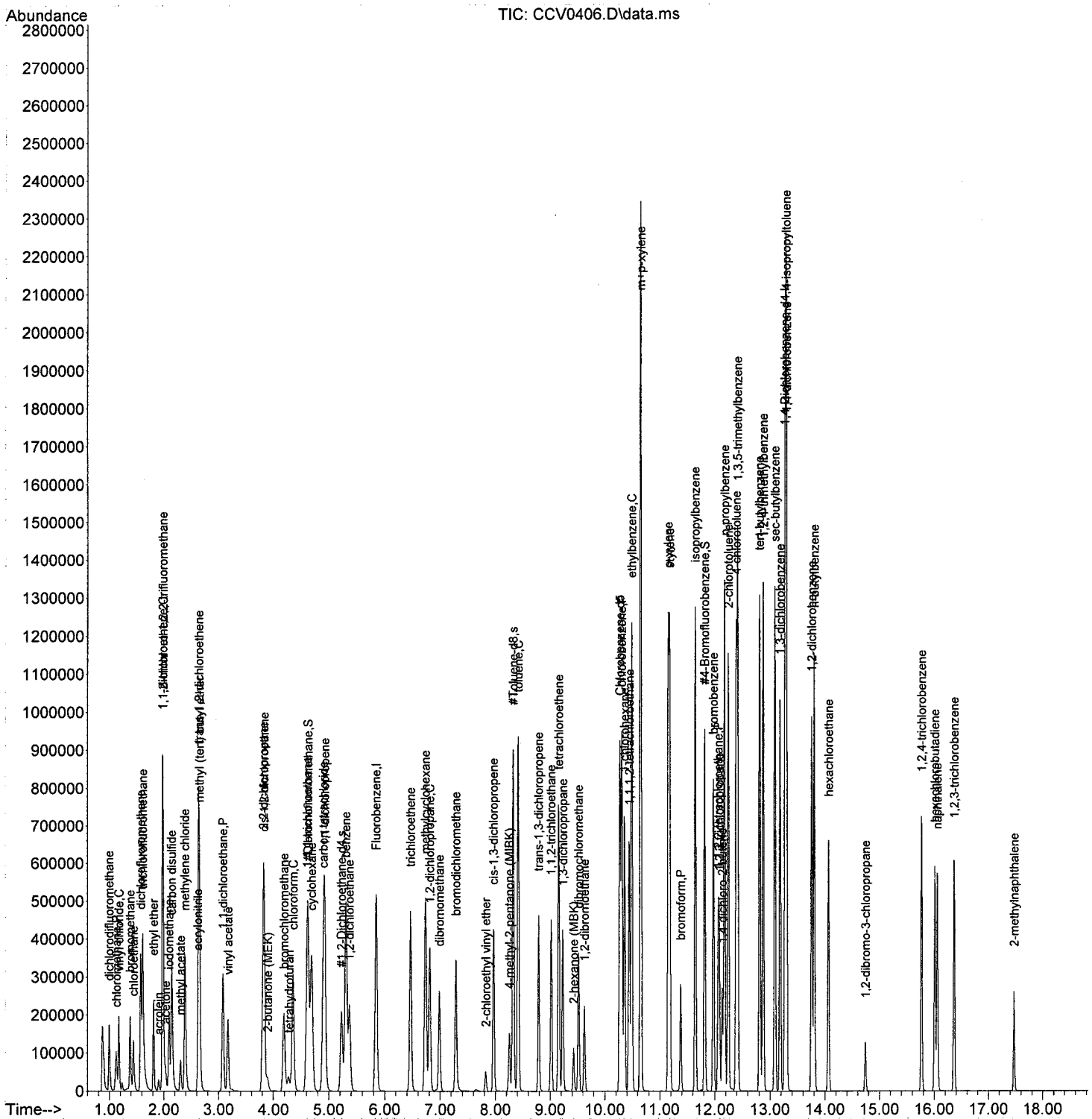
(#) = Out of Range SPCC's out = 0 CCC's out = 0

00912

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : CCV0406.D
Acq On : 6 Apr 2012 8:11
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 06 08:42:14 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration



00913

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : CCV0406.D
Acq On : 6 Apr 2012 8:11
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 06 08:42:14 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.842	96	618446	40.00	ug/L		-0.01
51) Chlorobenzene-d5	10.274	117	524283	40.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4	13.273	152	348838	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	4.623	111	193042	40.18	ug/L		-0.02
Spiked Amount 40.000			Recovery = 100.45%				
37) #1,2-Dichloroethane-d4	5.226	67	115324	39.39	ug/L		-0.01
Spiked Amount 40.000			Recovery = 98.47%				
47) #Toluene-d8	8.323	98	643975	40.40	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.00%				
65) #4-Bromofluorobenzene	11.816	95	292868	40.22	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.55%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.995	85	153605	35.49	ug/L		99
3) chloromethane	1.123	50	132703	36.99	ug/L		100
4) vinyl chloride	1.172	62	157254	36.80	ug/L		99
5) bromomethane	1.379	94	112411	40.19	ug/L		99
6) chloroethane	1.440	64	105360	36.90	ug/L		99
7) dichlorofluoromethane	1.575	67	347226	38.19	ug/L		100
8) trichlorofluoromethane	1.611	101	380604	37.73	ug/L		100
9) ethyl ether	1.812	74	72832	38.38	ug/L		99
10) acrolein	1.904	56	19974	39.93	ug/L	#	98
11) 1,1,2-trichloro-1,2,2-...	1.977	101	160410	37.84	ug/L		98
12) 1,1-dichloroethene	1.977	96	160902	38.17	ug/L		98
13) acetone	2.032	43	53237	32.08	ug/L		98
14) iodomethane	2.093	142	234153	38.95	ug/L		99
15) carbon disulfide	2.142	76	479958	38.67	ug/L		100
16) methyl acetate	2.300	43	95582	37.24	ug/L		100
17) methylene chloride	2.379	49	225640	45.08	ug/L		99
18) acrylonitrile	2.617	53	51183	39.89	ug/L		98
19) trans-1,2-dichloroethene	2.635	96	182470	39.55	ug/L		98
20) methyl (tert) butyl ether	2.648	73	426821	39.47	ug/L		100
21) 1,1-dichloroethane	3.080	63	306346	38.38	ug/L		100
22) vinyl acetate	3.172	43	293675	45.62	ug/L		99
23) 2,2-dichloropropane	3.818	77	277979	43.12	ug/L		99
24) cis-1,2-dichloroethene	3.830	96	182930	40.48	ug/L		98
25) 2-butanone (MEK)	3.897	43	54245	37.40	ug/L		99
26) bromochloromethane	4.190	49	123559	38.96	ug/L		98
27) tetrahydrofuran	4.281	71	12217	41.50	ug/L		96
28) chloroform	4.354	83	343032	39.22	ug/L		100
30) 1,1,1-trichloroethane	4.611	97	340546	40.18	ug/L		99
31) cyclohexane	4.690	56	233585	43.25	ug/L		98
32) carbon tetrachloride	4.903	117	329999	40.45	ug/L		100
33) 1,1-dichloropropene	4.928	75	254984	41.31	ug/L		99
34) benzene	5.306	78	631360	39.64	ug/L		100
35) 1,2-dichloroethane	5.366	62	287311	39.21	ug/L		100
36) heptane	5.842	57	21250	No Calib			
38) trichloroethene	6.464	130	200874	39.81	ug/L		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : CCV0406.D
Acq On : 6 Apr 2012 8:11
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 06 08:42:14 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	6.732	83	254291	45.81	ug/L		99
40) 1,2-dichloropropane	6.811	63	143449	39.79	ug/L		100
41) dibromomethane	6.988	93	104130	39.52	ug/L		100
42) 1,4-dioxane	0.000		0	N.D.			
43) bromodichloromethane	7.287	83	256686	41.02	ug/L		100
44) 2-chloroethyl vinyl ether	7.823	63	22821	39.26	ug/L		98
45) cis-1,3-dichloropropene	7.964	75	249665	44.76	ug/L		100
46) 4-methyl-2-pentanone (...	8.250	43	106583	38.59	ug/L		99
48) toluene	8.415	91	719823	40.08	ug/L		100
49) trans-1,3-dichloropropene	8.787	75	249693	39.45	ug/L		100
50) 1,1,2-trichloroethane	9.018	83	109252	39.94	ug/L		99
52) tetrachloroethene	9.158	166	238711	39.08	ug/L		100
53) 1,3-dichloropropane	9.232	76	247626	40.99	ug/L		100
54) 2-hexanone (MBK)	9.427	43	73328	36.80	ug/L		100
55) dibromochloromethane	9.518	129	197703	42.55	ug/L		100
56) 1,2-dibromoethane	9.628	109	142240	41.07	ug/L	#	100
57) chlorobenzene	10.305	112	510645	38.96	ug/L		99
58) 1-chlorohexane	10.353	55	173096	41.74	ug/L		99
59) 1,1,1,2-tetrachloroethane	10.445	131	202267	40.75	ug/L		100
60) ethylbenzene	10.487	91	891650	41.14	ug/L		100
61) m+p-xylene	10.652	106	688872	83.18	ug/L		99
62) o-xylene	11.152	106	329067	43.34	ug/L		100
63) styrene	11.176	104	574712	43.04	ug/L		99
64) bromoform	11.378	173	129327	43.10	ug/L		99
67) isopropylbenzene	11.646	105	841273	43.84	ug/L		100
68) bromobenzene	11.975	77	332969	39.33	ug/L		99
69) 1,1,2,2-tetrachloroethane	12.060	83	174378	39.65	ug/L	#	100
70) 1,2,3-trichloropropane	12.079	110	67619	39.68	ug/L		100
71) 1,4-dichloro-2-butene	12.133	53	63652	39.77	ug/L		100
72) n-propylbenzene	12.176	120	250835	42.97	ug/L		100
73) 2-chlorotoluene	12.243	126	220974	40.78	ug/L		97
74) 1,3,5-trimethylbenzene	12.414	105	758435	42.63	ug/L		100
75) 4-chlorotoluene	12.390	91	749078	41.57	ug/L		100
76) tert-butylbenzene	12.810	119	651075	44.47	ug/L		99
77) 1,2,4-trimethylbenzene	12.877	105	763875	43.44	ug/L		100
78) sec-butylbenzene	13.091	105	902809	44.62	ug/L		100
79) 1,3-dichlorobenzene	13.182	146	446414	40.08	ug/L		100
80) 4-isopropyltoluene	13.292	119	797710	42.13	ug/L		100
81) 1,4-dichlorobenzene	13.304	146	446920	38.82	ug/L		100
82) 1,2-dichlorobenzene	13.755	146	409615	40.89	ug/L		99
83) n-butylbenzene	13.804	91	638827	45.30	ug/L		100
84) hexachloroethane	14.066	201	110962	44.55	ug/L		98
85) 1,2-dibromo-3-chloropr...	14.743	157	37448	43.55	ug/L		98
86) 1,2,4-trichlorobenzene	15.767	180	230909	43.16	ug/L		100
87) hexachlorobutadiene	16.011	225	121712	41.00	ug/L		99
88) naphthalene	16.053	128	455098	39.67	ug/L		100
89) 1,2,3-trichlorobenzene	16.364	180	198509	41.05	ug/L		99
90) 2-methylnaphthalene	17.468	142	120199	35.15	ug/L		100

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

00915

CONTINUING CALIBRATION CHECK
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D17013-CCV1
Lab File ID: CCV0416C.D
Injection Date: 04/16/12
Injection Time: 18:23
Calibration Date: 04/16/12 00:00
Calibration: 2D17013
Sequence: 2D17013
Instrument ID: 224

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	40.0	34.0	6.360068E-02	5.409435E-02		-14.9	40
Benzene	A	40.0	43.1	0.972635	1.048192		7.8	25
Bromodichloromethane	A	40.0	41.6	0.3240714	0.3372543		4.1	25
Bromoform	A	40.0	41.9	0.1679122	0.1759613	0.1	4.8	25
Bromomethane	L	40.0	44.8	0.1919603	0.1927492		12.0	25
Carbon Disulfide	A	40.0	43.2	0.5951382	0.6433257		8.1	25
Carbon Tetrachloride	A	40.0	42.8	0.3677768	0.3938855		7.1	25
Chlorobenzene	A	40.0	41.7	0.8445067	0.8794649	0.3	4.1	25
Chloroethane	A	40.0	42.1	0.1854198	0.1953259		5.3	25
Chloroform	A	40.0	41.3	0.445684	0.4605155		3.3	20
Chloromethane	A	40.0	40.5	0.2470799	0.2503707	0.1	1.3	25
Cyclohexane	A	40.0	43.2	0.3703046	0.3995433		7.9	25
1,2-Dibromo-3-chloropropane	L	40.0	34.6	8.339278E-02	8.204755E-02		-13.4	25
Dibromochloromethane	A	40.0	42.7	0.2681313	0.2862357		6.8	25
1,2-Dibromoethane	A	40.0	41.6	0.2119824	0.2202434		3.9	25
1,2-Dichlorobenzene	A	40.0	41.1	1.056103	1.084193		2.7	25
1,3-Dichlorobenzene	A	40.0	41.6	1.118937	1.16466		4.1	25
1,4-Dichlorobenzene	A	40.0	40.3	1.17455	1.184348		0.8	25
Dichlorodifluoromethane	A	40.0	37.2	0.199619	0.1854944		-7.1	25
1,1-Dichloroethane	A	40.0	43.0	0.4206659	0.4527668	0.1	7.6	25
1,2-Dichloroethane	A	40.0	41.0	0.3567191	0.3654969		2.5	25
1,1-Dichloroethene	A	40.0	42.9	0.214075	0.2295648		7.2	20
cis-1,2-Dichloroethene	A	40.0	42.8	0.2463977	0.2638754		7.1	25
trans-1,2-Dichloroethene	A	40.0	42.2	0.235325	0.2480622		5.4	25
1,2-Dichloropropane	A	40.0	42.0	0.2248489	0.2363695		5.1	20
cis-1,3-Dichloropropene	A	40.0	43.5	0.3197827	0.3476367		8.7	25
trans-1,3-Dichloropropene	L	40.0	37.5	0.2875035	0.3149775		-6.2	25
Ethylbenzene	A	40.0	43.5	1.43527	1.559352		8.6	20
2-Hexanone	A	40.0	38.7	0.1331978	0.1287216		-3.4	40

CONTINUING CALIBRATION CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D17013-CCV1
Lab File ID: CCV0416C.D
Injection Date: 04/16/12
Injection Time: 18:23
Calibration Date: 04/16/12 00:00
Calibration: 2D17013
Sequence: 2D17013
Instrument ID: 224

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropylbenzene	A	40.0	44.6	2.131538	2.377439		11.5	25
Methyl Acetate	A	40.0	36.7	0.125836	0.1155032		-8.2	25
Methyl tert-Butyl Ether	A	40.0	40.7	0.5318013	0.5415435		1.8	25
Methylcyclohexane	A	40.0	43.1	0.3874591	0.4173942		7.7	25
Methylene Chloride	A	40.0	40.1	0.3066821	0.3076404		0.3	25
2-Butanone (MEK)	A	40.0	34.0	0.0754101	6.415813E-02		-14.9	40
4-Methyl-2-pentanone (MIBK)	L	40.0	36.4	0.1602851	0.1646805		-9.1	40
Styrene	A	40.0	44.2	0.8757763	0.9672459		10.4	25
1,1,2,2-Tetrachloroethane	A	40.0	38.6	0.477267	0.4608558	0.3	-3.4	25
Tetrachloroethene	A	40.0	41.2	0.4078404	0.4196913		2.9	25
Toluene	A	40.0	42.6	1.089632	1.159372		6.4	20
1,2,4-Trichlorobenzene	A	40.0	42.9	0.5877355	0.6303264		7.2	25
1,1,1-Trichloroethane	A	40.0	43.0	0.4054285	0.435354		7.4	25
1,1,2-Trichloroethane	A	40.0	41.0	0.1535083	0.1574682		2.6	25
Trichloroethene	A	40.0	42.9	0.2854645	0.3063687		7.3	25
Trichlorofluoromethane	A	40.0	40.1	0.5045049	0.5059824		0.3	25
1,1,2-Trichloro-1,2,2-trifluoroethane	A	40.0	40.8	0.2087033	0.2128701		2.0	25
Vinyl Chloride	A	40.0	41.7	0.2927686	0.3055071		4.4	20
Xylene (Total)	A	120	132	0.5375073	0.5902482		9.8	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\04-16-12\
InstName : 224
Data File : CCV0416C.D
Acq On : 16 Apr 2012 18:23
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 18:42:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 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	101	0.00
2		dichlorodifluoromethane	0.200	0.185	7.5	93	0.00
3	P	chloromethane	0.247	0.250	-1.2	100	0.00
4	C	vinyl chloride	0.293	0.306	-4.4	103	0.00
5		bromomethane	0.192	0.193	-0.5	118	0.00
6		chloroethane	0.185	0.195	-5.4	106	0.00
7		dichlorofluoromethane	0.508	0.529	-4.1	104	0.00
8		trichlorofluoromethane	0.505	0.506	-0.2	100	0.00
9		ethyl ether	0.118	0.106	10.2	96	0.00
10		acrolein	0.025	0.026	-4.0	98	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.209	0.213	-1.9	101	0.00
12	C	1,1-dichloroethene	0.214	0.230	-7.5	103	0.00
13		acetone	0.064	0.054	15.6	89	-0.01
14		iodomethane	0.295	0.348	-18.0	93	0.00
15		carbon disulfide	0.595	0.643	-8.1	108	0.00
16		methyl acetate	0.126	0.116	7.9	99	-0.01
17		methylene chloride	0.307	0.308	-0.3	105	0.00
18		acrylonitrile	0.066	0.066	0.0	97	0.00
19		trans-1,2-dichloroethene	0.235	0.248	-5.5	106	0.00
20		methyl (tert) butyl ether	0.532	0.542	-1.9	100	0.00
21	P	1,1-dichloroethane	0.421	0.453	-7.6	106	0.00
22		vinyl acetate	0.352	0.373	-6.0	107	0.00
23		2,2-dichloropropane	0.285	0.312	-9.5	107	0.00
24		cis-1,2-dichloroethene	0.246	0.264	-7.3	105	0.00
25		2-butanone (MEK)	0.075	0.064	14.7	92	-0.03
26		bromochloromethane	0.184	0.190	-3.3	102	0.00
27		tetrahydrofuran	0.016	0.017	-6.3	98	0.00
28	C	chloroform	0.446	0.461	-3.4	104	0.00
29	S	#Dibromofluoromethane	0.266	0.262	1.5	99	0.00
30		1,1,1-trichloroethane	0.405	0.435	-7.4	104	0.00
31		cyclohexane	0.370	0.400	-8.1	102	0.00
32		carbon tetrachloride	0.368	0.394	-7.1	102	0.00
33		1,1-dichloropropene	0.353	0.387	-9.6	106	-0.02
34		benzene	0.973	1.048	-7.7	106	0.00
35		1,2-dichloroethane	0.357	0.365	-2.2	102	-0.01
36		heptane	0.000	0.035	0.0	0#	0.00
37	s	#1,2-Dichloroethane-d4	0.321	0.315	1.9	101	0.00
38		trichloroethene	0.285	0.306	-7.4	104	0.00
39		methylcyclohexane	0.387	0.417	-7.8	102	0.00
40	C	1,2-dichloropropane	0.225	0.236	-4.9	105	0.00
41		dibromomethane	0.134	0.134	0.0	100	-0.01
42		1,4-dioxane	0.001	0.000	100.0#	0#	-7.89#
43		bromodichloromethane	0.324	0.337	-4.0	103	0.00
44		2-chloroethyl vinyl ether	0.102	0.108	-5.9	99	-0.02
45		cis-1,3-dichloropropene	0.320	0.348	-8.7	103	0.00
46		4-methyl-2-pentanone (MIBK)	0.160	0.165	-3.1	99	0.00
47	s	#Toluene-d8	1.059	1.070	-1.0	102	0.00
48	C	toluene	1.090	1.159	-6.3	105	0.00
49		trans-1,3-dichloropropene	0.288	0.315	-9.4	103	0.00

00918

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : CCV0416C.D
Acq On : 16 Apr 2012 18:23
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 18:42:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 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%

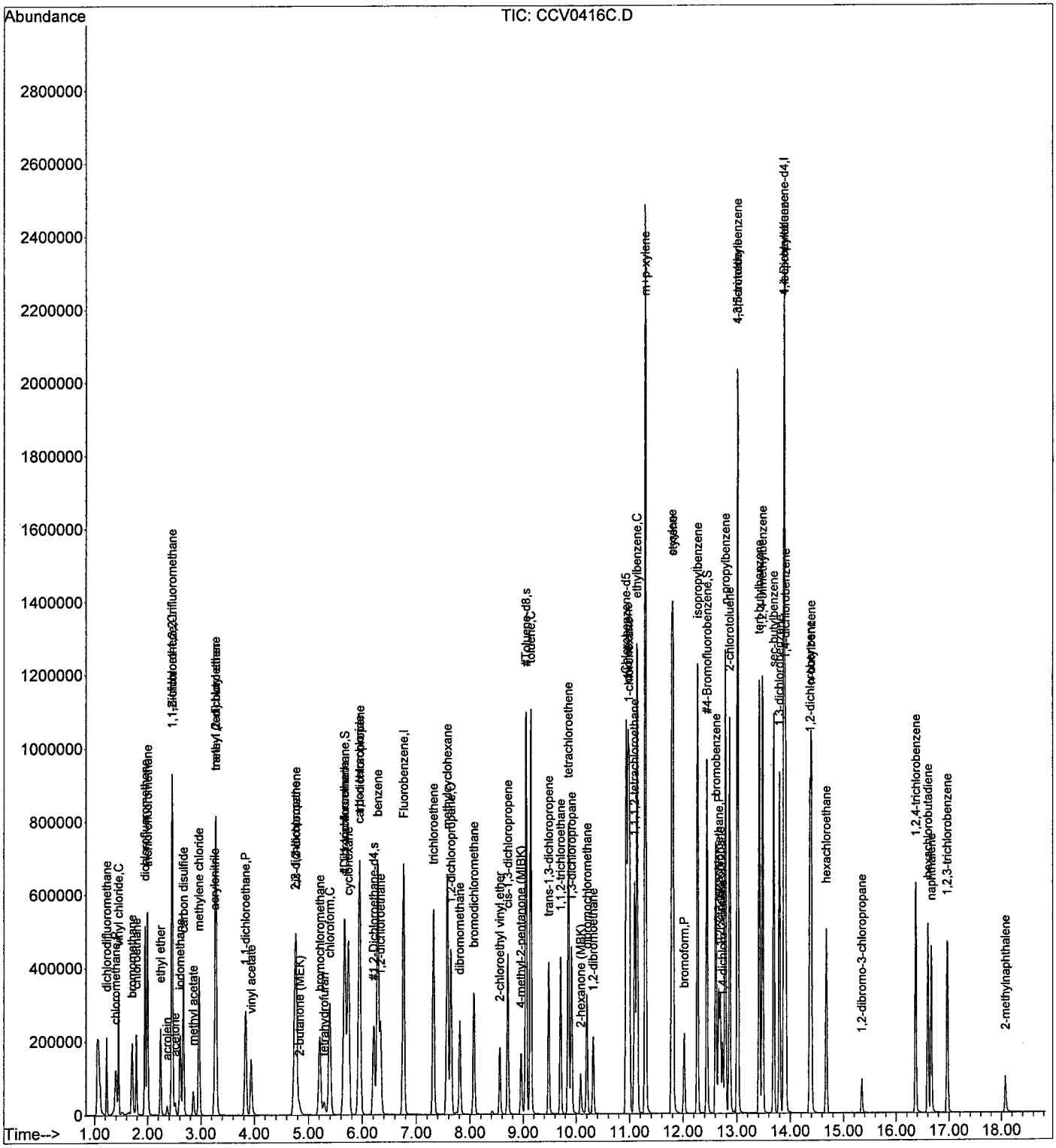
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50		1,1,2-trichloroethane	0.154	0.157	-1.9	102	0.00
51		Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
52		tetrachloroethene	0.408	0.420	-2.9	102	0.00
53		1,3-dichloropropane	0.414	0.422	-1.9	101	0.00
54		2-hexanone (MBK)	0.133	0.129	3.0	94	-0.02
55		dibromochloromethane	0.268	0.286	-6.7	104	0.00
56		1,2-dibromoethane	0.212	0.220	-3.8	101	0.00
57		chlorobenzene	0.845	0.879	-4.0	105	0.00
58		1-chlorohexane	0.292	0.306	-4.8	102	0.00
59		1,1,1,2-tetrachloroethane	0.287	0.308	-7.3	103	-0.01
60	C	ethylbenzene	1.435	1.559	-8.6	105	0.00
61		m+p-xylene	0.552	0.604	-9.4	104	0.00
62		o-xylene	0.509	0.562	-10.4	104	0.00
63		styrene	0.876	0.967	-10.4	104	-0.01
64	P	bromoform	0.168	0.176	-4.8	100	-0.01
65	S	#4-Bromofluorobenzene	0.512	0.514	-0.4	101	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
67		isopropylbenzene	2.132	2.377	-11.5	105	0.00
68		bromobenzene	0.913	0.937	-2.6	103	0.00
69	P	1,1,2,2-tetrachloroethane	0.477	0.461	3.4	100	0.00
70		1,2,3-trichloropropane	0.165	0.161	2.4	100	0.00
71		1,4-dichloro-2-butene	0.124	0.127	-2.4	96	-0.02
72		n-propylbenzene	0.612	0.685	-11.9	105	0.00
73		2-chlorotoluene	0.559	0.602	-7.7	106	0.00
74		1,3,5-trimethylbenzene	1.790	1.962	-9.6	103	0.00
75		4-chlorotoluene	0.568	0.614	-8.1	103	0.00
76		tert-butylbenzene	1.541	1.703	-10.5	104	0.00
77		1,2,4-trimethylbenzene	1.793	1.989	-10.9	104	-0.01
78		sec-butylbenzene	2.024	2.216	-9.5	103	0.00
79		1,3-dichlorobenzene	1.119	1.165	-4.1	102	0.00
80		4-isopropyltoluene	1.810	1.971	-8.9	104	0.00
81		1,4-dichlorobenzene	1.175	1.184	-0.8	102	0.00
82		1,2-dichlorobenzene	1.056	1.084	-2.7	100	-0.01
83		n-butylbenzene	1.321	1.492	-12.9	104	0.00
84		hexachloroethane	0.220	0.245	-11.4	103	0.00
85		1,2-dibromo-3-chloropropane	0.083	0.082	1.2	92	-0.02
86		1,2,4-trichlorobenzene	0.588	0.630	-7.1	101	-0.01
87		hexachlorobutadiene	0.318	0.334	-5.0	106	0.00
88		naphthalene	1.026	1.080	-5.3	96	-0.02
89		1,2,3-trichlorobenzene	0.464	0.476	-2.6	98	-0.01
90		2-methylnaphthalene	0.186	0.170	8.6	84	-0.02

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

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : CCV0416C.D
Acq On : 16 Apr 2012 18:23
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 18:42:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration



00920

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : CCV0416C.D
Acq On : 16 Apr 2012 18:23
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 18:42:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	753295	40.00	ug/L	0.00 101.04%
51) Chlorobenzene-d5	10.94	117	638362	40.00	ug/L	0.00 100.52%
66) 1,4-Dichlorobenzene-d4	13.89	152	364435	40.00	ug/L	0.00 100.04%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	197462	39.44	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.60%			
37) #1,2-Dichloroethane-d4	6.21	65	237412	39.31	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.28%			
47) #Toluene-d8	9.06	98	805784	40.42	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.05%			
65) #4-Bromofluorobenzene	12.44	95	328355	40.21	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.52%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	139732	37.17	ug/L	99
3) chloromethane	1.40	50	188603	40.53	ug/L	100
4) vinyl chloride	1.45	62	230137	41.74	ug/L	99
5) bromomethane	1.71	94	145197	44.80	ug/L	99
6) chloroethane	1.79	64	147138	42.14	ug/L	100
7) dichlorofluoromethane	1.95	67	398620	41.66	ug/L	99
8) trichlorofluoromethane	2.00	101	381154	40.12	ug/L	99
9) ethyl ether	2.24	74	79639	35.87	ug/L	97
10) acrolein	2.37	56	19607	37.75	ug/L #	98
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	160354	40.80	ug/L	98
12) 1,1-dichloroethene	2.46	96	172930	42.89	ug/L	99
13) acetone	2.52	43	40749	34.02	ug/L	95
14) iodomethane	2.61	142	261864	38.13	ug/L	99
15) carbon disulfide	2.67	76	484614	43.24	ug/L	100
16) methyl acetate	2.85	43	87008	36.72	ug/L	99
17) methylene chloride	2.96	49	231744	40.12	ug/L	99
18) acrylonitrile	3.25	53	50079	40.17	ug/L	99
19) trans-1,2-dichloroethene	3.28	96	186864	42.17	ug/L	99
20) methyl (tert) butyl ether	3.28	73	407942	40.73	ug/L	100
21) 1,1-dichloroethane	3.83	63	341067	43.05	ug/L	99
22) vinyl acetate	3.94	43	280826	36.82	ug/L	100
23) 2,2-dichloropropane	4.75	77	235079	43.79	ug/L	100
24) cis-1,2-dichloroethene	4.77	96	198776	42.84	ug/L	100
25) 2-butanone (MEK)	4.84	43	48330	34.03	ug/L	100
26) bromochloromethane	5.21	49	143122	41.26	ug/L	100
27) tetrahydrofuran	5.29	71	12643	37.23	ug/L	98
28) chloroform	5.39	83	346904	41.33	ug/L	99
30) 1,1,1-trichloroethane	5.66	97	327950	42.95	ug/L	99
31) cyclohexane	5.74	56	300974	43.16	ug/L	98
32) carbon tetrachloride	5.94	117	296712	42.84	ug/L	99
33) 1,1-dichloropropene	5.95	75	291480	43.82	ug/L	99
34) benzene	6.28	78	789598	43.11	ug/L	99
35) 1,2-dichloroethane	6.33	62	275327	40.98	ug/L	100
36) heptane	6.76	57	26310	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : CCV0416C.D
Acq On : 16 Apr 2012 18:23
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 18:42:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	230786	42.93	ug/L		99
39) methylcyclohexane	7.58	83	314421	43.09	ug/L		100
40) 1,2-dichloropropane	7.64	63	178056	42.05	ug/L		99
41) dibromomethane	7.81	93	101252	40.27	ug/L		99
42) 1,4-dioxane	0.00	88	0	N.D.			
43) bromodichloromethane	8.08	83	254052	41.63	ug/L		99
44) 2-chloroethyl vinyl ether	8.56	63	81029	42.28	ug/L		99
45) cis-1,3-dichloropropene	8.71	75	261873	43.48	ug/L		99
46) 4-methyl-2-pentanone (MIBK	8.96	43	124053	36.35	ug/L		99
48) toluene	9.14	91	873349	42.56	ug/L		100
49) trans-1,3-dichloropropene	9.49	75	237271	37.54	ug/L		100
50) 1,1,2-trichloroethane	9.71	83	118620	41.03	ug/L		100
52) tetrachloroethene	9.86	166	267915	41.16	ug/L		100
53) 1,3-dichloropropane	9.92	76	269278	40.78	ug/L		100
54) 2-hexanone (MBK)	10.09	43	82171	38.66	ug/L		99
55) dibromochloromethane	10.20	129	182722	42.70	ug/L		100
56) 1,2-dibromoethane	10.32	109	140595	41.56	ug/L		98
57) chlorobenzene	10.97	112	561417	41.66	ug/L		100
58) 1-chlorohexane	11.00	55	195589	41.96	ug/L		98
59) 1,1,1,2-tetrachloroethane	11.09	131	196792	43.02	ug/L		100
60) ethylbenzene	11.14	91	995431	43.46	ug/L		100
61) m+p-xylene	11.30	106	771426	87.57	ug/L		99
62) o-xylene	11.79	106	358950	44.23	ug/L		100
63) styrene	11.81	104	617453	44.18	ug/L		99
64) bromoform	12.02	173	112327	41.92	ug/L		99
67) isopropylbenzene	12.27	105	866422	44.61	ug/L		100
68) bromobenzene	12.61	77	341624	41.08	ug/L		98
69) 1,1,2,2-tetrachloroethane	12.67	83	167952	38.62	ug/L	#	100
70) 1,2,3-trichloropropane	12.70	110	58517	38.97	ug/L	#	71
71) 1,4-dichloro-2-butene	12.74	53	46346	34.91	ug/L		87
72) n-propylbenzene	12.79	120	249503	44.72	ug/L		96
73) 2-chlorotoluene	12.87	126	219364	43.05	ug/L		95
74) 1,3,5-trimethylbenzene	13.02	105	714984	43.83	ug/L		99
75) 4-chlorotoluene	13.02	126	223702	43.22	ug/L		97
76) tert-butylbenzene	13.42	119	620805	44.22	ug/L		100
77) 1,2,4-trimethylbenzene	13.48	105	724989	44.39	ug/L		100
78) sec-butylbenzene	13.69	105	807689	43.81	ug/L		100
79) 1,3-dichlorobenzene	13.80	146	424443	41.63	ug/L		100
80) 4-isopropyltoluene	13.89	119	718149	43.55	ug/L		100
81) 1,4-dichlorobenzene	13.92	146	431618	40.33	ug/L		99
82) 1,2-dichlorobenzene	14.37	146	395118	41.06	ug/L		99
83) n-butylbenzene	14.40	91	543744	39.85	ug/L		99
84) hexachloroethane	14.68	201	89439	38.02	ug/L	#	91
85) 1,2-dibromo-3-chloropropan	15.35	157	29901	34.62	ug/L		96
86) 1,2,4-trichlorobenzene	16.37	180	229713	42.90	ug/L		100
87) hexachlorobutadiene	16.61	225	121705	41.96	ug/L		99
88) naphthalene	16.67	128	393428	36.59	ug/L		100
89) 1,2,3-trichlorobenzene	16.97	180	173604	41.06	ug/L		99
90) 2-methylnaphthalene	18.08	142	62096	30.70	ug/L		98

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

CONTINUING CALIBRATION CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D24048-CCV1
Lab File ID: CCV0423A.D
Injection Date: 04/23/12
Injection Time: 09:53
Calibration Date: 04/19/12 00:00
Calibration: 2D20002
Sequence: 2D24048
Instrument ID: 323

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	40.0	38.6	8.083672E-02	6.966674E-02		-3.6	40
Benzene	A	40.0	39.5	1.00507	0.9935231		-1.1	25
Bromodichloromethane	A	40.0	40.0	0.2883873	0.2886133		0.08	25
Bromoform	A	40.0	42.3	0.1892285	0.2000295	0.1	5.7	25
Bromomethane	A	40.0	48.9	5.546973E-02	6.781726E-02		22.3	25
Carbon Disulfide	A	40.0	38.0	0.7033186	0.6685345		-4.9	25
Carbon Tetrachloride	A	40.0	39.8	0.320148	0.3182198		-0.6	25
Chlorobenzene	A	40.0	39.2	0.9430586	0.9231159	0.3	-2.1	25
Chloroethane	A	40.0	36.4	0.1345332	0.1224802		-9.0	25
Chloroform	A	40.0	38.8	0.4119014	0.3993741		-3.0	20
Chloromethane	A	40.0	37.8	0.2200214	0.2081119	0.1	-5.4	25
Cyclohexane	A	40.0	40.2	0.3901495	0.3924613		0.6	25
1,2-Dibromo-3-chloropropane	L	40.0	38.4	9.880136E-02	0.1097185		-4.1	25
Dibromochloromethane	A	40.0	41.8	0.2796939	0.2919252		4.4	25
1,2-Dibromoethane	A	40.0	41.8	0.2204365	0.2305886		4.6	25
1,2-Dichlorobenzene	A	40.0	40.8	1.153283	1.177173		2.1	25
1,3-Dichlorobenzene	A	40.0	39.7	1.291196	1.280672		-0.8	25
1,4-Dichlorobenzene	A	40.0	39.4	1.310742	1.290496		-1.5	25
Dichlorodifluoromethane	A	40.0	30.1	0.2408467	0.181359		-24.7	25
1,1-Dichloroethane	A	40.0	39.6	0.4055446	0.4014583	0.1	-1.0	25
1,2-Dichloroethane	A	40.0	39.2		0.2556784			25
1,1-Dichloroethene	A	40.0	39.3	0.2110474	0.2072755		-1.8	20
cis-1,2-Dichloroethene	A	40.0	40.4	0.2769138	0.2798836		1.1	25
trans-1,2-Dichloroethene	A	40.0	37.6	0.2591626	0.2437541		-5.9	25
1,2-Dichloropropane	A	40.0	40.2	0.2190049	0.2200837		0.5	20
cis-1,3-Dichloropropene	L	40.0	39.7	0.3143847	0.3513203		-0.8	25
trans-1,3-Dichloropropene	L	40.0	39.4	0.2364258	0.2721091		-1.5	25
Ethylbenzene	A	40.0	40.6	1.464446	1.487994		1.6	20
2-Hexanone	L	40.0	35.2	0.1328545	0.127972		-11.9	40

CONTINUING CALIBRATION CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D24048-CCV1
Lab File ID: CCV0423A.D
Injection Date: 04/23/12
Injection Time: 09:53
Calibration Date: 04/19/12 00:00
Calibration: 2D20002
Sequence: 2D24048
Instrument ID: 323

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropylbenzene	A	40.0	42.5	1.982891	2.106638		6.2	25
Methyl Acetate	L	40.0	44.4	0.1048665	0.0966543		11.0	25
Methyl tert-Butyl Ether	A	40.0	40.1	0.4470213	0.447835		0.2	25
Methylcyclohexane	A	40.0	41.2	0.4321907	0.4452836		3.0	25
Methylene Chloride	L	40.0	44.3	0.2443189	0.2298139		10.7	25
2-Butanone (MEK)	A	40.0	37.0	0.0916267	8.469878E-02		-7.6	40
4-Methyl-2-pentanone (MIBK)	A	40.0	40.7	0.1193726	0.1215673		1.8	40
Styrene	A	40.0	42.5	0.9623235	1.021964		6.2	25
1,1,2,2-Tetrachloroethane	A	40.0	40.8	0.472546	0.4823083	0.3	2.1	25
Tetrachloroethene	A	40.0	39.3	0.3894453	0.3824561		-1.8	25
Toluene	A	40.0	39.2	1.08971	1.069335		-1.9	20
1,2,4-Trichlorobenzene	A	40.0	43.4	0.7414134	0.8037494		8.4	25
1,1,1-Trichloroethane	A	40.0	39.8	0.3330735	0.3314938		-0.5	25
1,1,2-Trichloroethane	A	40.0	40.5	0.1583697	0.160266		1.2	25
Trichloroethene	A	40.0	39.5	0.2788165	0.2753171		-1.3	25
Trichlorofluoromethane	A	40.0	36.4	0.3532989	0.3217398		-8.9	25
1,1,2-Trichloro-1,2,2-trifluoroethane	A	40.0	39.0	0.2234388	0.2176029		-2.6	25
Vinyl Chloride	A	40.0	38.1	0.2720279	0.2593596		-4.7	20
Xylene (Total)	A	120	126	0.5832286	0.6139838		5.3	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\04-23-12\
Data File : CCV0423A.D
InstName : 323
Acq On : 23 Apr 2012 9:53 am
Operator : LEW
Sample : CCV0423A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 24 08:01:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 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	98	0.00
2		dichlorodifluoromethane	0.241	0.181	24.9	75	0.00
3	P	chloromethane	0.220	0.208	5.5	96	0.00
4	C	vinyl chloride	0.272	0.259	4.8	96	0.00
5		bromomethane	0.055	0.068	-23.6	108	0.00
6		chloroethane	0.135	0.122	9.6	96	0.01
7		dichlorofluoromethane	0.407	0.397	2.5	98	0.00
8		trichlorofluoromethane	0.353	0.322	8.8	93	0.00
9		ethyl ether	0.126	0.125	0.8	98	0.00
10		acrolein	0.019	0.019	0.0	105	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.223	0.218	2.2	96	0.00
12	C	1,1-dichloroethene	0.211	0.207	1.9	98	0.00
13		acetone	0.081	0.070	13.6	90	0.00
14		iodomethane	0.174	0.270	-55.2#	109	0.00
15		carbon disulfide	0.703	0.669	4.8	98	0.00
16		methyl acetate	0.105	0.097	7.6	106	0.00
17		methylene chloride	0.244	0.230	5.7	102	0.00
18		acrylonitrile	0.067	0.066	1.5	90	0.00
19		trans-1,2-dichloroethene	0.259	0.244	5.8	89	0.00
20		methyl (tert) butyl ether	0.447	0.448	-0.2	94	0.00
21	P	1,1-dichloroethane	0.406	0.401	1.2	97	0.00
22		vinyl acetate	0.294	0.348	-18.4	110	0.00
23		2,2-dichloropropane	0.234	0.264	-12.8	107	0.00
24		cis-1,2-dichloroethene	0.277	0.280	-1.1	97	0.00
25		2-butanone (MEK)	0.092	0.085	7.6	93	0.00
26		bromochloromethane	0.175	0.172	1.7	98	0.00
27		tetrahydrofuran	0.017	0.019	-11.8	104	0.00
28	C	chloroform	0.412	0.399	3.2	97	0.00
29		1,1,1-trichloroethane	0.333	0.331	0.6	97	0.00
30	S	#Dibromofluoromethane	0.246	0.240	2.4	97	0.00
31		cyclohexane	0.390	0.392	-0.5	94	-0.01
32		carbon tetrachloride	0.320	0.318	0.6	96	0.00
33		1,1-dichloropropene	0.317	0.323	-1.9	96	0.00
34		benzene	1.005	0.994	1.1	97	0.00
35		1,2-dichloroethane	0.261	0.256	1.9	98	0.00
36		heptane	0.000	0.000	0.0	0#	0.00
37	S	#1,2-Dichloroethane-d4	0.130	0.130	0.0	99	0.00
38		trichloroethene	0.279	0.275	1.4	95	0.00
39		methylcyclohexane	0.432	0.445	-3.0	95	0.00
40	C	1,2-dichloropropane	0.219	0.220	-0.5	97	0.00
41		dibromomethane	0.128	0.128	0.0	100	0.00
42		bromodichloromethane	0.288	0.289	-0.3	98	0.00
43		2-chloroehtyl vinyl ether	0.090	0.106	-17.8	101	0.00
44		cis-1,3-dichloropropene	0.314	0.351	-11.8	100	0.00
45		4-methyl-2-pentanone (MIBK)	0.119	0.122	-2.5	97	0.00
46	s	#Toluene-d8	0.969	0.972	-0.3	98	0.00
47	C	toluene	1.090	1.069	1.9	96	0.00
48		trans-1,3-dichloropropene	0.236	0.272	-15.3	101	0.00
49		1,1,2-trichloroethane	0.158	0.160	-1.3	98	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : CCV0423A.D
InstName : 323
Acq On : 23 Apr 2012 9:53 am
Operator : LEW
Sample : CCV0423A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 24 08:01:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 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%

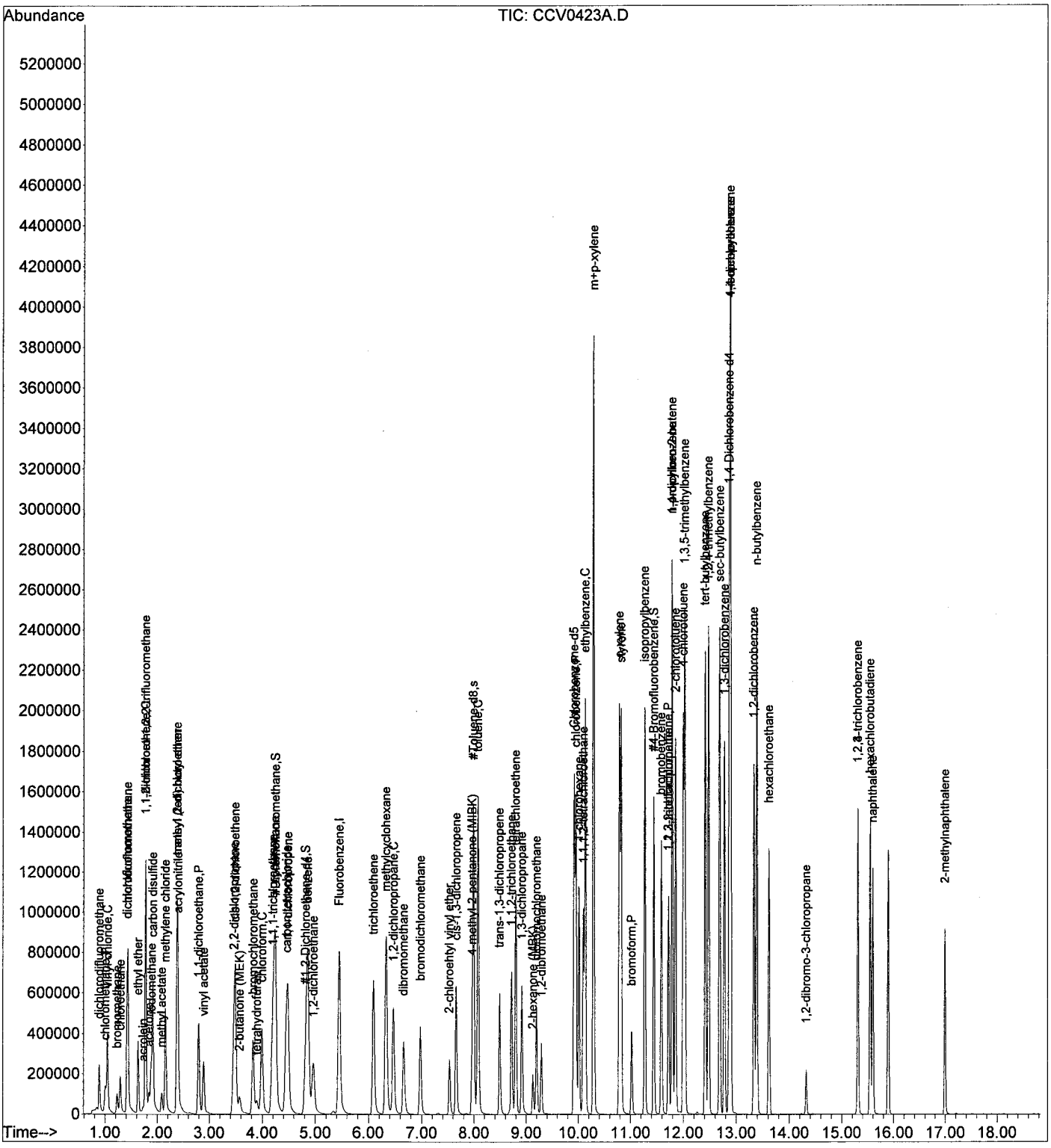
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50		Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
51		tetrachloroethene	0.389	0.382	1.8	96	0.00
52		1,3-dichloropropane	0.418	0.431	-3.1	99	0.00
53		2-hexanone (MBK)	0.133	0.128	3.8	85	0.00
54		dibromochloromethane	0.280	0.292	-4.3	99	0.00
55		1,2-dibromoethane	0.220	0.231	-5.0	99	0.00
56	P	chlorobenzene	0.943	0.923	2.1	98	0.00
57		1-chlorohexane	0.266	0.265	0.4	97	0.00
58		1,1,1,2-tetrachloroethane	0.299	0.309	-3.3	99	0.00
59	C	ethylbenzene	1.464	1.488	-1.6	97	-0.01
60		m+p-xylene	0.594	0.621	-4.5	97	-0.01
61		o-xylene	0.562	0.600	-6.8	98	0.00
62		styrene	0.962	1.022	-6.2	98	0.00
63	P	bromoform	0.189	0.200	-5.8	100	0.00
64	S	#4-Bromofluorobenzene	0.499	0.497	0.4	99	0.00
65		1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
66		isopropylbenzene	1.983	2.107	-6.3	97	0.00
67		bromobenzene	0.892	0.882	1.1	97	0.00
68	P	1,1,2,2-tetrachloroethane	0.473	0.482	-1.9	102	0.00
69		1,2,3-trichloropropane	0.144	0.148	-2.8	100	0.00
70		1,4-dichloro-2-butene	0.117	0.133	-13.7	104	0.00
71		n-propylbenzene	0.701	0.725	-3.4	97	-0.01
72		2-chlorotoluene	0.626	0.619	1.1	98	0.00
73		1,3,5-trimethylbenzene	2.020	2.097	-3.8	98	0.00
74		4-chlorotoluene	1.890	1.929	-2.1	98	0.00
75		tert-butylbenzene	1.753	1.845	-5.2	97	0.00
76		1,2,4-trimethylbenzene	1.996	2.094	-4.9	97	-0.01
77		sec-butylbenzene	2.616	2.728	-4.3	97	0.00
78		1,3-dichlorobenzene	1.291	1.281	0.8	97	0.00
79		4-isopropyltoluene	2.194	2.299	-4.8	97	0.00
80		1,4-dichlorobenzene	1.311	1.290	1.6	95	-0.01
81		1,2-dichlorobenzene	1.153	1.177	-2.1	98	0.00
82		n-butylbenzene	1.982	2.117	-6.8	98	-0.01
83		hexachloroethane	0.376	0.385	-2.4	98	-0.01
84		1,2-dibromo-3-chloropropane	0.099	0.110	-11.1	102	0.00
85		1,2,4-trichlorobenzene	0.741	0.804	-8.5	98	0.00
86		hexachlorobutadiene	0.470	0.476	-1.3	99	0.00
87		naphthalene	1.376	1.514	-10.0	100	0.00
88		1,2,3-trichlorobenzene	0.741	0.804	-8.5	98	0.00
89		2-methylnaphthalene	0.580	0.701	-20.9	103	0.00

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

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : CCV0423A.D
InstName : 323
Acq On : 23 Apr 2012 9:53 am
Operator : LEW
Sample : CCV0423A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 24 08:01:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : CCV0423A.D
InstName : 323
Acq On : 23 Apr 2012 9:53 am
Operator : LEW
Sample : CCV0423A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 24 08:01:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.45	96	1346324	40.00	ug/L		0.00 98.16%
50) Chlorobenzene-d5	9.92	117	1084425	40.00	ug/L		0.00 98.91%
65) 1,4-Dichlorobenzene-d4	12.86	152	688854	40.00	ug/L		0.00 98.35%
System Monitoring Compounds							
30) #Dibromofluoromethane	4.25	111	323402	39.00	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.50%				
37) #1,2-Dichloroethane-d4	4.82	67	174491	39.84	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.60%				
46) #Toluene-d8	7.99	98	1308211	40.12	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.30%				
64) #4-Bromofluorobenzene	11.44	95	538606	39.83	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.57%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.89	85	244168	30.12	ug/L		98
3) chloromethane	1.01	50	280186	37.83	ug/L		98
4) vinyl chloride	1.05	62	349182	38.14	ug/L		97
5) bromomethane	1.23	94	91304	48.90	ug/L		94
6) chloroethane	1.29	64	164898	36.42	ug/L		97
7) dichlorofluoromethane	1.41	67	534844	39.05	ug/L		100
8) trichlorofluoromethane	1.43	101	433166	36.43	ug/L		99
9) ethyl ether	1.62	74	168739	39.88	ug/L		91
10) acrolein	1.72	56	26011	41.14	ug/L	#	96
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	292964	38.96	ug/L		94
12) 1,1-dichloroethene	1.77	96	279060	39.29	ug/L	#	80
13) acetone	1.84	43	93794	38.58	ug/L		73
14) iodomethane	1.88	142	363880	42.56	ug/L		90
15) carbon disulfide	1.91	76	900064	38.02	ug/L		100
16) methyl acetate	2.08	43	130128	44.42	ug/L		93
17) methylene chloride	2.16	49	309404	44.27	ug/L		89
18) acrylonitrile	2.40	53	88231	39.29	ug/L		94
19) trans-1,2-dichloroethene	2.38	96	328172	37.62	ug/L		90
20) methyl (tert) butyl ether	2.39	73	602931	40.07	ug/L		96
21) 1,1-dichloroethane	2.79	63	540493	39.60	ug/L		99
22) vinyl acetate	2.89	43	468057	47.34	ug/L		98
23) 2,2-dichloropropane	3.46	77	355741	45.10	ug/L		91
24) cis-1,2-dichloroethene	3.49	96	376814	40.43	ug/L		91
25) 2-butanone (MEK)	3.58	43	114032	36.98	ug/L		97
26) bromochloromethane	3.83	49	231714	39.36	ug/L	#	83
27) tetrahydrofuran	3.90	71	25678	40.62	ug/L	#	88
28) chloroform	3.99	83	537687	38.78	ug/L		99
29) 1,1,1-trichloroethane	4.19	97	446298	39.81	ug/L		95
31) cyclohexane	4.23	56	528380	40.24	ug/L		91
32) carbon tetrachloride	4.45	117	428427	39.76	ug/L		100
33) 1,1-dichloropropene	4.49	75	434718	40.80	ug/L		98
34) benzene	4.86	78	1337604	39.54	ug/L		91
35) 1,2-dichloroethane	4.97	62	344226	39.20	ug/L		88
36) heptane	4.23	57	23178	No Calib		#	

00928

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : CCV0423A.D
InstName : 323
Acq On : 23 Apr 2012 9:53 am
Operator : LEW
Sample : CCV0423A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 24 08:01:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	370666	39.50	ug/L		99
39) methylcyclohexane	6.34	83	599496	41.21	ug/L		98
40) 1,2-dichloropropane	6.47	63	296304	40.20	ug/L		96
41) dibromomethane	6.66	93	171871	40.03	ug/L		95
42) bromodichloromethane	6.98	83	388567	40.03	ug/L		98
43) 2-chloroehtyl vinyl ether	7.53	63	143144	38.96	ug/L		98
44) cis-1,3-dichloropropene	7.66	75	472991	39.70	ug/L		87
45) 4-methyl-2-pentanone (MIBK	7.96	43	163669	40.74	ug/L	#	93
47) toluene	8.08	91	1439671	39.25	ug/L		98
48) trans-1,3-dichloropropene	8.49	75	366347	39.39	ug/L		92
49) 1,1,2-trichloroethane	8.72	83	215770	40.48	ug/L		96
51) tetrachloroethene	8.80	166	414745	39.28	ug/L		99
52) 1,3-dichloropropane	8.92	76	467635	41.31	ug/L		99
53) 2-hexanone (MBK)	9.13	43	138776	35.24	ug/L		94
54) dibromochloromethane	9.20	129	316571	41.75	ug/L		98
55) 1,2-dibromoethane	9.29	109	250056	41.84	ug/L		98
56) chlorobenzene	9.95	112	1001050	39.15	ug/L		96
57) 1-chlorohexane	10.02	55	286962	39.81	ug/L		95
58) 1,1,1,2-tetrachloroethane	10.10	131	334746	41.27	ug/L		95
59) ethylbenzene	10.13	91	1613618	40.64	ug/L		96
60) m+p-xylene	10.30	106	1347281	83.69	ug/L	#	85
61) o-xylene	10.78	106	650177	42.66	ug/L	#	85
62) styrene	10.82	104	1108243	42.48	ug/L		84
63) bromoform	11.03	173	216917	42.28	ug/L		98
66) isopropylbenzene	11.27	105	1451166	42.50	ug/L		97
67) bromobenzene	11.58	77	607741	39.56	ug/L		96
68) 1,1,2,2-tetrachloroethane	11.72	83	332240	40.83	ug/L	#	98
69) 1,2,3-trichloropropane	11.73	110	102273	41.26	ug/L		94
70) 1,4-dichloro-2-butene	11.78	53	91615	45.30	ug/L	#	81
71) n-propylbenzene	11.79	120	499552	41.37	ug/L		99
72) 2-chlorotoluene	11.85	126	426241	39.55	ug/L		91
73) 1,3,5-trimethylbenzene	12.03	105	1444260	41.52	ug/L		90
74) 4-chlorotoluene	12.00	91	1328680	40.82	ug/L		96
75) tert-butylbenzene	12.41	119	1271218	42.11	ug/L		94
76) 1,2,4-trimethylbenzene	12.48	105	1442151	41.96	ug/L		91
77) sec-butylbenzene	12.69	105	1879186	41.71	ug/L		99
78) 1,3-dichlorobenzene	12.78	146	882196	39.67	ug/L		98
79) 4-isopropyltoluene	12.89	119	1583804	41.93	ug/L		95
80) 1,4-dichlorobenzene	12.89	146	888963	39.38	ug/L		98
81) 1,2-dichlorobenzene	13.33	146	810900	40.83	ug/L		99
82) n-butylbenzene	13.39	91	1458210	42.73	ug/L		98
83) hexachloroethane	13.62	201	264918	40.87	ug/L		96
84) 1,2-dibromo-3-chloropropan	14.32	157	75580	38.37	ug/L		94
85) 1,2,4-trichlorobenzene	15.31	180	553666	43.36	ug/L		98
86) hexachlorobutadiene	15.54	225	327666	40.44	ug/L		98
87) naphthalene	15.60	128	1043023	40.12	ug/L		95
88) 1,2,3-trichlorobenzene	15.31	180	553666	43.36	ug/L		98
89) 2-methylnaphthalene	16.99	142	482769	40.70	ug/L		94

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

CONTINUING CALIBRATION CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2E04020-CCV1
Lab File ID: CCV0503.D
Injection Date: 05/03/12
Injection Time: 08:08
Calibration Date: 04/30/12 00:00
Calibration: 2E03002
Sequence: 2E04020
Instrument ID: 224

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	40.0	45.1	0.0514444	5.621815E-02		12.8	40
Benzene	A	40.0	42.6	0.916454	0.9765519		6.6	25
Bromodichloromethane	A	40.0	43.4	0.2694667	0.2923171		8.5	25
Bromoform	L	40.0	35.9	0.1487092	0.1620088	0.1	-10.2	25
Bromomethane	A	40.0	33.1	0.1878205	0.1430095		-23.9	25
Carbon Disulfide	A	40.0	41.7	0.4996954	0.5204654		4.2	25
Carbon Tetrachloride	A	40.0	40.6	0.3117048	0.3166214		1.6	25
Chlorobenzene	A	40.0	41.3	0.8378615	0.864354	0.3	3.2	25
Chloroethane	A	40.0	35.8	0.1861121	0.16653		-10.5	25
Chloroform	A	40.0	42.5	0.3871802	0.4112673		6.2	20
Chloromethane	A	40.0	39.4	0.2693636	0.2654721	0.1	-1.4	25
Cyclohexane	A	40.0	43.4	0.3924719	0.4253866		8.4	25
1,2-Dibromo-3-chloropropane	L	40.0	38.6	6.760826E-02	8.168545E-02		-3.5	25
Dibromochloromethane	L	40.0	38.2	0.2388775	0.2628761		-4.6	25
1,2-Dibromoethane	A	40.0	43.1	0.2060623	0.222053		7.8	25
1,2-Dichlorobenzene	A	40.0	41.8	1.07153	1.120265		4.5	25
1,3-Dichlorobenzene	A	40.0	41.3	1.151531	1.189551		3.3	25
1,4-Dichlorobenzene	A	40.0	40.8	1.186156	1.208561		1.9	25
Dichlorodifluoromethane	A	40.0	42.3	0.2905717	0.3075779		5.9	25
1,1-Dichloroethane	A	40.0	42.1	0.3925289	0.4134753	0.1	5.3	25
1,2-Dichloroethane	A	40.0	43.9	0.3005548	0.3299945		9.8	25
1,1-Dichloroethene	A	40.0	41.9	0.2126897	0.2227481		4.7	20
cis-1,2-Dichloroethene	A	40.0	41.7	0.2430515	0.2533965		4.3	25
trans-1,2-Dichloroethene	A	40.0	42.5	0.224572	0.2387802		6.3	25
1,2-Dichloropropane	A	40.0	42.3	0.2121168	0.2240804		5.6	20
cis-1,3-Dichloropropene	A	40.0	38.9	0.3094432	0.300897		-2.8	25
trans-1,3-Dichloropropene	A	40.0	36.6	0.2810866	0.2575493		-8.4	25
Ethylbenzene	A	40.0	41.6	1.418627	1.476965		4.1	20
2-Hexanone	A	40.0	43.8	0.1287733	0.1409565		9.5	40

CONTINUING CALIBRATION CHECK

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2E04020-CCV1
Lab File ID: CCV0503.D
Injection Date: 05/03/12
Injection Time: 08:08
Calibration Date: 04/30/12 00:00
Calibration: 2E03002
Sequence: 2E04020
Instrument ID: 224

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropylbenzene	A	40.0	41.2	2.224352	2.29332		3.1	25
Methyl Acetate	A	40.0	43.2	0.1324607	0.1431863		8.1	25
Methyl tert-Butyl Ether	A	40.0	39.3	0.5703576	0.5605443		-1.7	25
Methylcyclohexane	A	40.0	41.0	0.3837404	0.3938305		2.6	25
Methylene Chloride	L	40.0	44.0	0.3176792	0.3091149		9.9	25
2-Butanone (MEK)	A	40.0	39.9	0.0648447	6.461982E-02		-0.3	40
4-Methyl-2-pentanone (MIBK)	A	40.0	44.5	0.150904	0.1678024		11.2	40
Styrene	A	40.0	41.6	0.9222188	0.9579149		3.9	25
1,1,2,2-Tetrachloroethane	A	40.0	47.8	0.4314243	0.5150318	0.3	19.4	25
Tetrachloroethene	A	40.0	40.7	0.4078559	0.4150101		1.8	25
Toluene	A	40.0	42.0	1.021275	1.07184		5.0	20
1,2,4-Trichlorobenzene	A	40.0	38.2	0.5893704	0.5628058		-4.5	25
1,1,1-Trichloroethane	A	40.0	38.5	0.3703284	0.3566404		-3.7	25
1,1,2-Trichloroethane	A	40.0	43.4	0.1359399	0.1476565		8.6	25
Trichloroethene	A	40.0	41.2	0.2715918	0.2800271		3.1	25
Trichlorofluoromethane	A	40.0	40.3	0.3788361	0.3817466		0.8	25
1,1,2-Trichloro-1,2,2-trifluoroethane	A	40.0	43.6	0.2135978	0.2326965		8.9	25
Vinyl Chloride	A	40.0	38.0	0.2961634	0.2816434		-4.9	20
Xylene (Total)	A	120	122	0.5613321	0.5686709		1.3	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\05-03-12\
InstName : 224
Data File : CCV0503.D
Acq On : 3 May 2012 8:08
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 03 08:27:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 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	81	0.00
2		dichlorodifluoromethane	0.291	0.308	-5.8	83	0.00
3	P	chloromethane	0.269	0.265	1.5	80	0.00
4	C	vinyl chloride	0.296	0.282	4.7	74	0.00
5		bromomethane	0.188	0.143	23.9	72	0.00
6		chloroethane	0.186	0.167	10.2	73	0.00
7		dichlorofluoromethane	0.395	0.383	3.0	78	0.00
8		trichlorofluoromethane	0.379	0.382	-0.8	80	0.00
9		ethyl ether	0.112	0.127	-13.4	88	0.00
10		acrolein	0.026	0.030	-15.4	94	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.214	0.233	-8.9	86	0.00
12	C	1,1-dichloroethene	0.213	0.223	-4.7	82	0.00
13		acetone	0.051	0.056	-9.8	101	0.00
14		iodomethane	0.236	0.338	-43.2#	86	0.00
15		carbon disulfide	0.500	0.520	-4.0	86	0.00
16		methyl acetate	0.132	0.143	-8.3	90	0.00
17		methylene chloride	0.318	0.309	2.8	89	0.00
18		acrylonitrile	0.060	0.075	-25.0	96	0.00
19		trans-1,2-dichloroethene	0.225	0.239	-6.2	84	0.00
20		methyl (tert) butyl ether	0.570	0.561	1.6	77	0.00
21	P	1,1-dichloroethane	0.393	0.413	-5.1	83	0.00
22		vinyl acetate	0.372	0.366	1.6	83	0.00
23		2,2-dichloropropane	0.321	0.238	25.9#	58	0.00
24		cis-1,2-dichloroethene	0.243	0.253	-4.1	83	0.00
25		2-butanone (MEK)	0.065	0.065	0.0	87	0.00
26		bromochloromethane	0.171	0.192	-12.3	87	0.00
27		tetrahydrofuran	0.017	0.018	-5.9	85	0.00
28	C	chloroform	0.387	0.411	-6.2	84	0.00
29	S	#Dibromofluoromethane	0.242	0.246	-1.7	82	0.00
30		1,1,1-trichloroethane	0.370	0.357	3.5	76	0.00
31		cyclohexane	0.392	0.425	-8.4	85	0.00
32		carbon tetrachloride	0.312	0.317	-1.6	78	0.00
33		1,1-dichloropropene	0.320	0.342	-6.9	83	0.00
34		benzene	0.916	0.977	-6.7	84	0.00
35		1,2-dichloroethane	0.301	0.330	-9.6	86	0.00
36		heptane	0.000	0.034	0.0	0#	0.00
37	s	#1,2-Dichloroethane-d4	0.279	0.294	-5.4	84	0.00
38		trichloroethene	0.272	0.280	-2.9	81	0.00
39		methylcyclohexane	0.384	0.394	-2.6	80	0.00
40	C	1,2-dichloropropane	0.212	0.224	-5.7	83	0.00
41		dibromomethane	0.116	0.127	-9.5	85	0.00
42		1,4-dioxane	0.000	0.000	0.0	0#	-7.82#
43		bromodichloromethane	0.269	0.292	-8.6	84	0.00
44		2-chloroethyl vinyl ether	0.086	0.091	-5.8	82	0.00
45		cis-1,3-dichloropropene	0.309	0.301	2.6	74	0.00
46		4-methyl-2-pentanone (MIBK)	0.151	0.168	-11.3	93	0.00
47	s	#Toluene-d8	0.988	1.010	-2.2	82	0.00
48	C	toluene	1.021	1.072	-5.0	84	0.00
49		trans-1,3-dichloropropene	0.281	0.258	8.2	70	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : CCV0503.D
Acq On : 3 May 2012 8:08
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 03 08:27:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 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	0.136	0.148	-8.8	84	0.00
51		Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
52		tetrachloroethene	0.408	0.415	-1.7	79	0.00
53		1,3-dichloropropane	0.389	0.426	-9.5	85	0.00
54		2-hexanone (MBK)	0.129	0.141	-9.3	90	0.00
55		dibromochloromethane	0.239	0.263	-10.0	82	0.00
56		1,2-dibromoethane	0.206	0.222	-7.8	83	0.00
57		chlorobenzene	0.838	0.864	-3.1	81	0.00
58		1-chlorohexane	0.277	0.298	-7.6	85	0.00
59		1,1,1,2-tetrachloroethane	0.269	0.280	-4.1	79	0.00
60	C	ethylbenzene	1.419	1.477	-4.1	81	0.00
61		m+p-xylene	0.573	0.581	-1.4	79	0.00
62		o-xylene	0.538	0.545	-1.3	79	0.00
63		styrene	0.922	0.958	-3.9	80	0.00
64	P	bromoform	0.149	0.162	-8.7	82	0.00
65	S	#4-Bromofluorobenzene	0.487	0.481	1.2	80	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
67		isopropylbenzene	2.224	2.293	-3.1	77	0.00
68		bromobenzene	0.891	0.972	-9.1	82	0.00
69	P	1,1,2,2-tetrachloroethane	0.431	0.515	-19.5	89	0.00
70		1,2,3-trichloropropane	0.152	0.174	-14.5	86	0.00
71		1,4-dichloro-2-butene	0.112	0.135	-20.5	80	0.00
72		n-propylbenzene	0.652	0.664	-1.8	76	0.00
73		2-chlorotoluene	0.575	0.591	-2.8	77	0.00
74		1,3,5-trimethylbenzene	1.819	1.903	-4.6	77	0.00
75		4-chlorotoluene	0.594	0.619	-4.2	78	0.00
76		tert-butylbenzene	1.593	1.585	0.5	74	0.00
77		1,2,4-trimethylbenzene	1.841	1.926	-4.6	77	0.00
78		sec-butylbenzene	2.080	2.080	0.0	74	0.00
79		1,3-dichlorobenzene	1.152	1.190	-3.3	78	0.00
80		4-isopropyltoluene	1.832	1.841	-0.5	74	0.00
81		1,4-dichlorobenzene	1.186	1.209	-1.9	77	0.00
82		1,2-dichlorobenzene	1.072	1.120	-4.5	78	0.00
83		n-butylbenzene	1.345	1.403	-4.3	76	0.00
84		hexachloroethane	0.210	0.189	10.0	64	0.00
85		1,2-dibromo-3-chloropropane	0.068	0.082	-20.6	82	0.00
86		1,2,4-trichlorobenzene	0.589	0.563	4.4	70	0.00
87		hexachlorobutadiene	0.299	0.279	6.7	70	0.00
88		naphthalene	0.997	0.999	-0.2	71	0.00
89		1,2,3-trichlorobenzene	0.422	0.377	10.7	64	0.00
90		2-methylnaphthalene	0.207	0.117	43.5#	38#	0.00

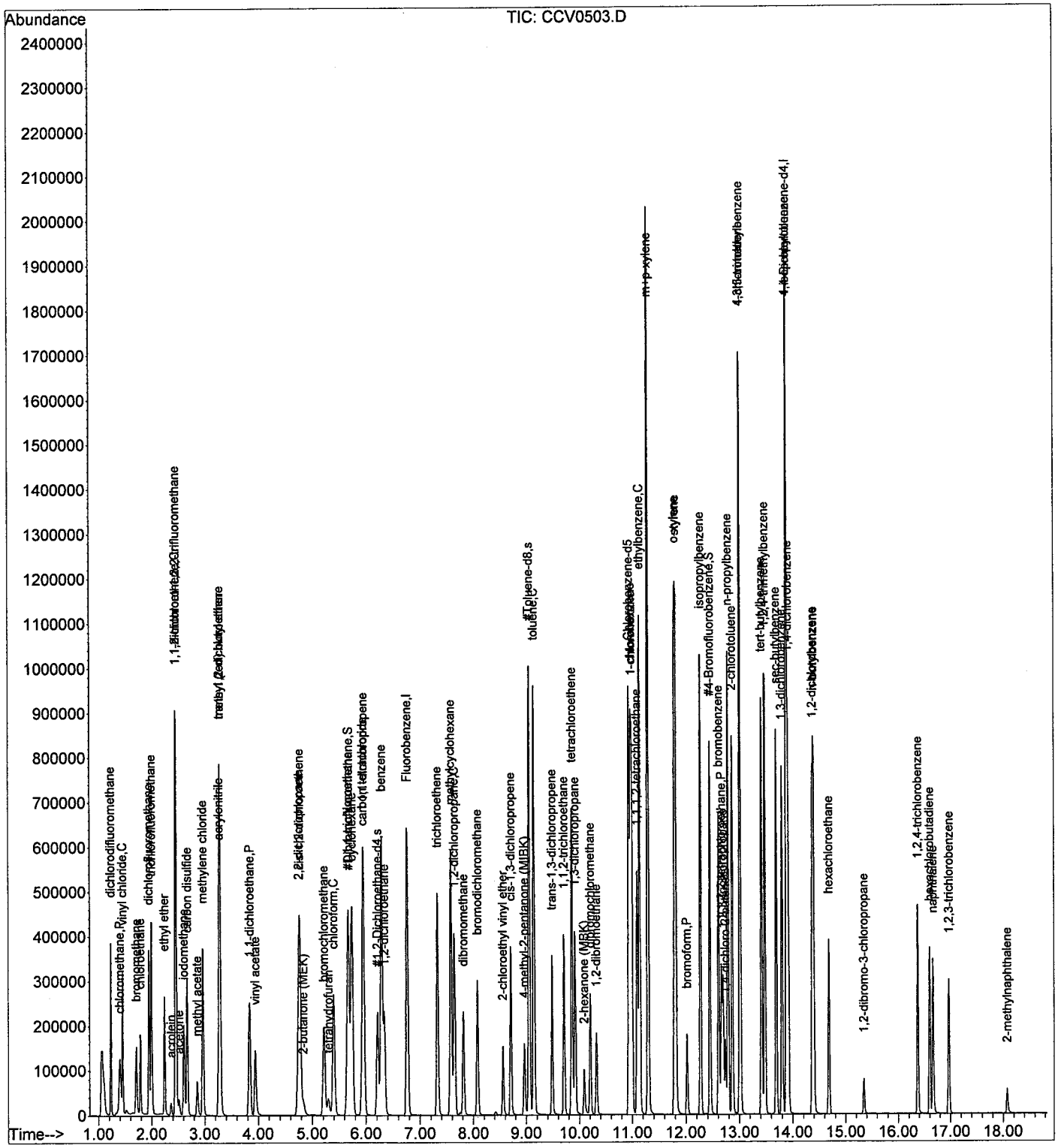
(#) = Out of Range SPCC's out = 0 CCC's out = 0

00933

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : CCV0503.D
Acq On : 3 May 2012 8:08
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 03 08:27:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration



00934

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : CCV0503.D
Acq On : 3 May 2012 8:08
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 03 08:27:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	718309	40.00	ug/L	0.00 80.60%
51) Chlorobenzene-d5	10.94	117	564167	40.00	ug/L	0.00 80.99%
66) 1,4-Dichlorobenzene-d4	13.89	152	306150	40.00	ug/L	0.00 77.38%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	176603	40.70	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.75%		
37) #1,2-Dichloroethane-d4	6.22	65	210852	42.09	ug/L	0.00
Spiked Amount 40.000			Recovery =	105.23%		
47) #Toluene-d8	9.06	98	725795	40.93	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.33%		
65) #4-Bromofluorobenzene	12.45	95	271407	39.54	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.85%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	220936	42.34	ug/L	100
3) chloromethane	1.40	50	190691	39.42	ug/L	99
4) vinyl chloride	1.45	62	202307	38.04	ug/L	99
5) bromomethane	1.71	94	102725	33.13	ug/L	100
6) chloroethane	1.79	64	119620	35.79	ug/L	99
7) dichlorofluoromethane	1.95	67	275162	38.83	ug/L	99
8) trichlorofluoromethane	2.00	101	274212	40.31	ug/L	99
9) ethyl ether	2.24	74	90920	45.29	ug/L	95
10) acrolein	2.37	56	21860	46.90	ug/L #	95
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	167148	43.58	ug/L	98
12) 1,1-dichloroethene	2.46	96	160002	41.89	ug/L	92
13) acetone	2.52	43	40382	45.13	ug/L	99
14) iodomethane	2.61	142	242908	40.48	ug/L	99
15) carbon disulfide	2.67	76	373855	41.66	ug/L	99
16) methyl acetate	2.86	43	102852	43.24	ug/L	98
17) methylene chloride	2.96	49	222040	43.97	ug/L	96
18) acrylonitrile	3.26	53	53644	49.81	ug/L	98
19) trans-1,2-dichloroethene	3.28	96	171518	42.53	ug/L	95
20) methyl (tert) butyl ether	3.29	73	402644	39.31	ug/L	99
21) 1,1-dichloroethane	3.84	63	297003	42.13	ug/L	99
22) vinyl acetate	3.94	43	262681	39.28	ug/L	97
23) 2,2-dichloropropane	4.75	77	170984	29.68	ug/L	99
24) cis-1,2-dichloroethene	4.77	96	182017	41.70	ug/L	97
25) 2-butanone (MEK)	4.84	43	46417	39.86	ug/L	97
26) bromochloromethane	5.21	49	137584	44.70	ug/L	93
27) tetrahydrofuran	5.29	71	13205	42.28	ug/L	90
28) chloroform	5.39	83	295417	42.49	ug/L	99
30) 1,1,1-trichloroethane	5.66	97	256178	38.52	ug/L	96
31) cyclohexane	5.74	56	305559	43.35	ug/L	96
32) carbon tetrachloride	5.94	117	227432	40.63	ug/L	100
33) 1,1-dichloropropene	5.96	75	245354	42.67	ug/L	98
34) benzene	6.29	78	701466	42.62	ug/L	98
35) 1,2-dichloroethane	6.34	62	237038	43.92	ug/L	100
36) heptane	6.76	57	24740	No Calib	#	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : CCV0503.D
Acq On : 3 May 2012 8:08
Operator : DLV
Sample : CCV/BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 03 08:27:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration

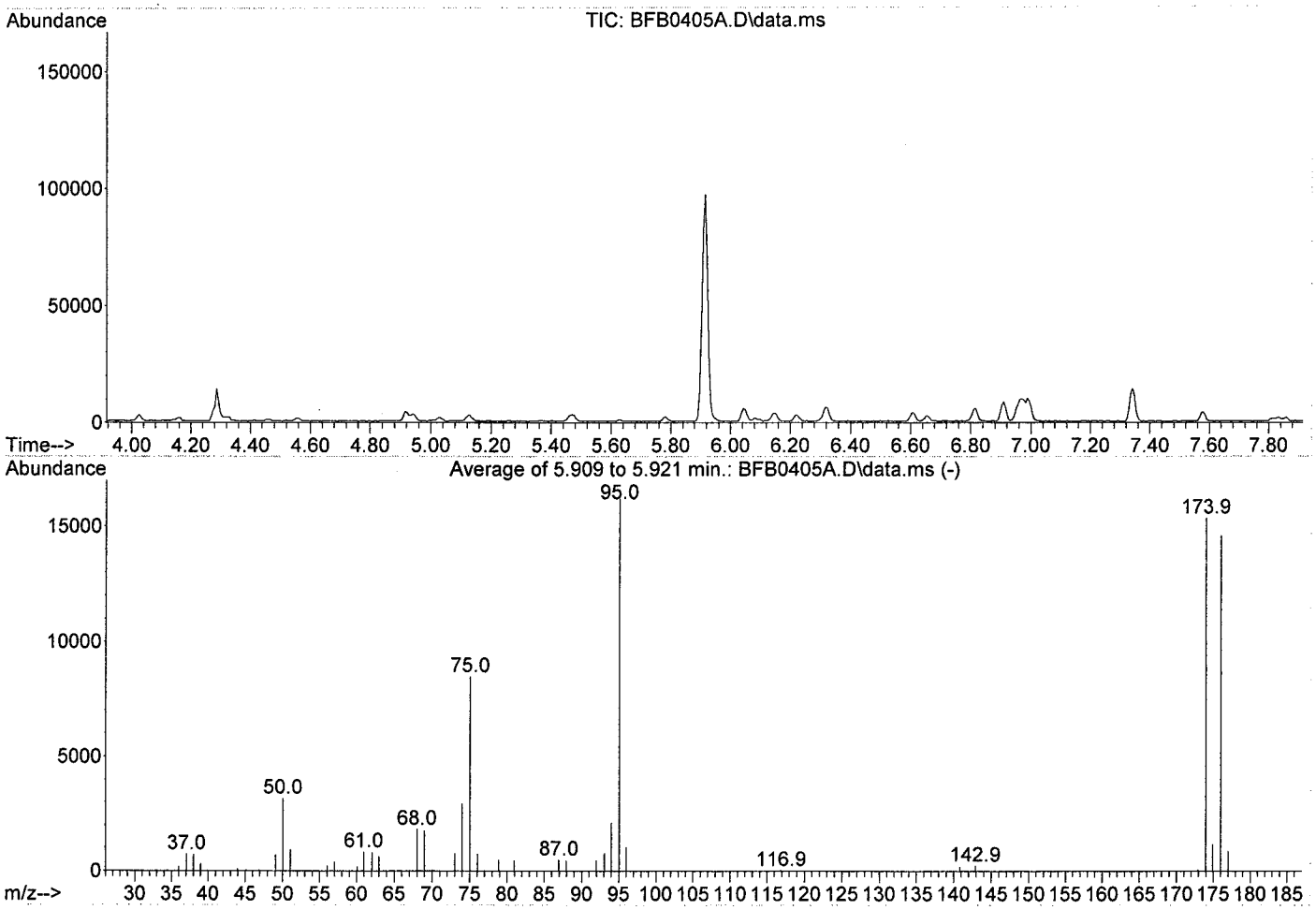
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	201146	41.24 ug/L		99
39) methylcyclohexane	7.58	83	282892	41.05 ug/L		97
40) 1,2-dichloropropane	7.64	63	160959	42.26 ug/L		100
41) dibromomethane	7.81	93	91080	43.86 ug/L		97
42) 1,4-dioxane	0.00	88	0	N.D.		
43) bromodichloromethane	8.08	83	209974	43.39 ug/L		100
44) 2-chloroethyl vinyl ether	8.56	63	65504	42.37 ug/L		98
45) cis-1,3-dichloropropene	8.71	75	216137	38.90 ug/L		98
46) 4-methyl-2-pentanone (MIBK	8.97	43	120534	44.48 ug/L		96
48) toluene	9.14	91	769912	41.98 ug/L		98
49) trans-1,3-dichloropropene	9.49	75	185000	36.65 ug/L		98
50) 1,1,2-trichloroethane	9.71	83	106063	43.45 ug/L		100
52) tetrachloroethene	9.86	166	234135	40.70 ug/L		99
53) 1,3-dichloropropane	9.92	76	240223	43.74 ug/L		100
54) 2-hexanone (MBK)	10.09	43	79523	43.78 ug/L		96
55) dibromochloromethane	10.20	129	148306	38.18 ug/L		100
56) 1,2-dibromoethane	10.32	109	125275	43.10 ug/L		99
57) chlorobenzene	10.97	112	487640	41.26 ug/L		97
58) 1-chlorohexane	11.00	55	168351	43.07 ug/L		87
59) 1,1,1,2-tetrachloroethane	11.09	131	158061	41.69 ug/L		99
60) ethylbenzene	11.14	91	833255	41.64 ug/L		98
61) m+p-xylene	11.30	106	655249	81.10 ug/L		97
62) o-xylene	11.79	106	307227	40.47 ug/L		95
63) styrene	11.81	104	540424	41.55 ug/L		96
64) bromoform	12.02	173	91400	35.94 ug/L		99
67) isopropylbenzene	12.27	105	702100	41.24 ug/L		99
68) bromobenzene	12.61	77	297477	43.63 ug/L		96
69) 1,1,2,2-tetrachloroethane	12.67	83	157677	47.75 ug/L	#	99
70) 1,2,3-trichloropropane	12.70	110	53420	46.05 ug/L	#	75
71) 1,4-dichloro-2-butene	12.74	53	41253	39.61 ug/L	#	72
72) n-propylbenzene	12.79	120	203292	40.73 ug/L		92
73) 2-chlorotoluene	12.87	126	180907	41.11 ug/L		95
74) 1,3,5-trimethylbenzene	13.02	105	582570	41.84 ug/L		97
75) 4-chlorotoluene	13.02	126	189379	41.66 ug/L		95
76) tert-butylbenzene	13.42	119	485124	39.79 ug/L		98
77) 1,2,4-trimethylbenzene	13.48	105	589527	41.83 ug/L		99
78) sec-butylbenzene	13.69	105	636707	40.00 ug/L		99
79) 1,3-dichlorobenzene	13.80	146	364181	41.32 ug/L		99
80) 4-isopropyltoluene	13.89	119	563678	40.19 ug/L		99
81) 1,4-dichlorobenzene	13.92	146	370001	40.76 ug/L		99
82) 1,2-dichlorobenzene	14.37	146	342969	41.82 ug/L		100
83) n-butylbenzene	14.40	91	429515	41.72 ug/L		98
84) hexachloroethane	14.69	201	57868	30.51 ug/L	#	78
85) 1,2-dibromo-3-chloropropan	15.35	157	25008	38.61 ug/L		98
86) 1,2,4-trichlorobenzene	16.37	180	172303	38.20 ug/L		99
87) hexachlorobutadiene	16.61	225	85546	37.34 ug/L		100
88) naphthalene	16.67	128	305821	40.08 ug/L		100
89) 1,2,3-trichlorobenzene	16.97	180	115454	35.77 ug/L		100
90) 2-methylnaphthalene	18.08	142	35888	21.53 ug/L		99

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

Data Path : C:\msdchem\1\DATA\04-05-12\
Data File : BFB0405A.D
Acq On : 5 Apr 2012 19:07
Operator : DLV
Sample : BFBA
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\8260B-WB55.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Wed Apr 04 13:53:16 2012



AutoFind: Scans 873, 874, 875; 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	19.7	3180	PASS
75	95	30	60	52.5	8494	PASS
95	95	100	100	100.0	16183	PASS
96	95	5	9	6.5	1052	PASS
173	174	0.00	2	0.4	61	PASS
174	95	50	100	94.8	15345	PASS
175	174	5	9	7.6	1168	PASS
176	174	95	101	95.2	14601	PASS
177	176	5	9	6.0	873	PASS

00937

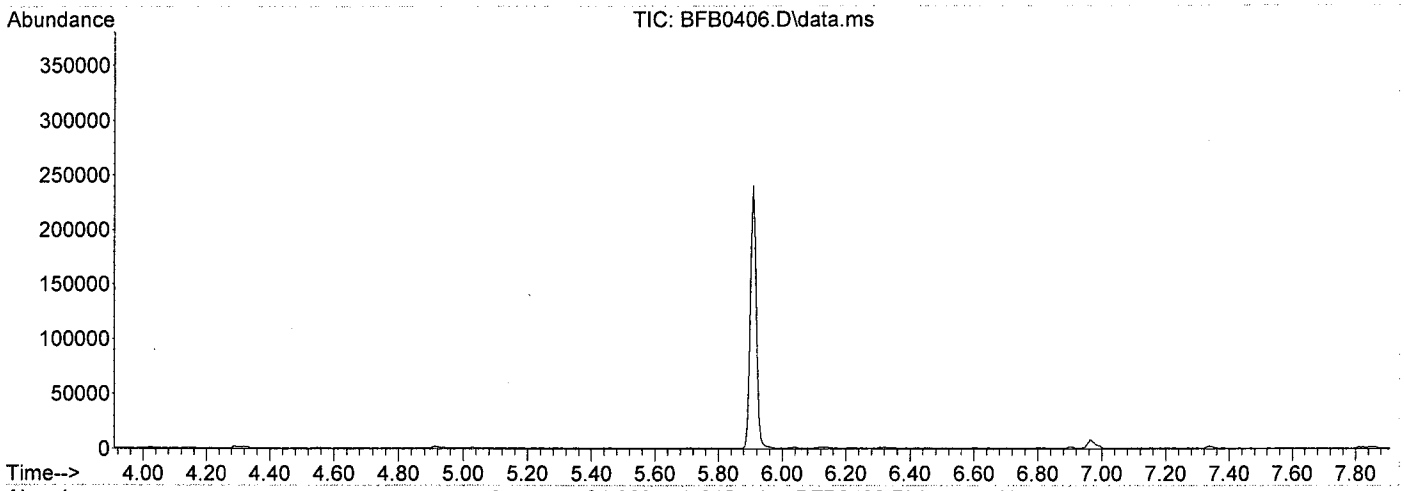
Average of 5.909 to 5.921 min.: BFB0405A.D\data.ms
BFBA
Modified:subtracted

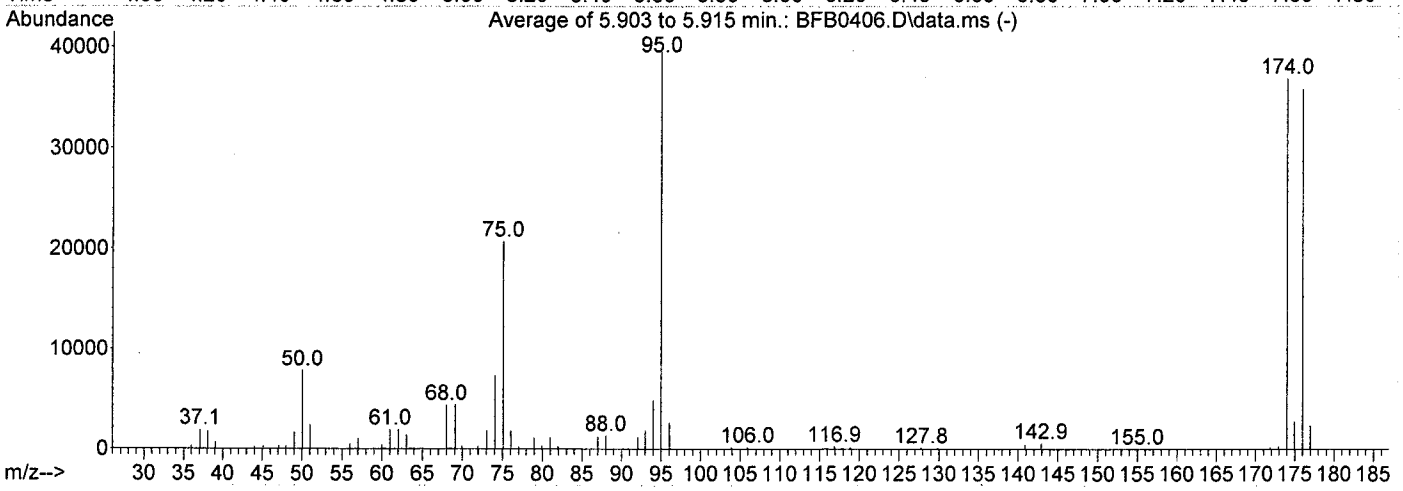
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	202	56.00	243	75.05	8494	116.90	52
37.05	747	57.00	409	76.05	750	140.85	196
38.00	728	60.05	193	78.90	497	142.90	246
39.00	329	60.95	845	80.95	463	172.90	61
40.00	23	62.05	819	86.95	512	173.95	15345
44.00	107	63.00	643	87.95	461	174.90	1168
45.10	71	68.00	1831	91.95	484	176.00	14601
46.90	69	69.00	1760	93.05	794	177.00	873
49.05	706	70.00	52	94.00	2125		
50.05	3180	73.00	778	95.05	16183		
51.05	946	74.00	2938	96.00	1052		

Data Path : C:\msdchem\1\DATA\04-06-12\
Data File : BFB0406.D
Acq On : 6 Apr 2012 7:43
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\8260B-WB56.M
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
Last Update : Fri Apr 06 07:23:47 2012





AutoFind: Scans 872, 873, 874; 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	19.9	7846	PASS
75	95	30	60	52.5	20717	PASS
95	95	100	100	100.0	39483	PASS
96	95	5	9	6.6	2625	PASS
173	174	0.00	2	0.8	303	PASS
174	95	50	100	93.4	36872	PASS
175	174	5	9	7.5	2751	PASS
176	174	95	101	97.1	35803	PASS
177	176	5	9	6.6	2358	PASS

4.6.12

00939

Average of 5.903 to 5.915 min.: BFB0406.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	336	51.05	2373	69.95	280	81.95	256
37.10	1906	56.05	551	71.95	251	87.00	1239
38.10	1766	57.05	1052	73.05	1800	88.00	1324
39.05	689	59.95	414	74.05	7275	90.85	115
40.00	60	61.00	1918	75.05	20717	92.05	1191
44.00	236	62.05	1928	76.05	1811	93.00	1874
45.10	306	63.05	1411	77.00	216	94.00	4833
47.10	344	64.00	65	77.90	57	95.00	39483
48.00	318	67.10	51	78.95	1129	96.05	2625
49.05	1686	68.00	4342	79.95	329	103.90	191
50.05	7846	69.10	4408	80.95	1131	105.95	195

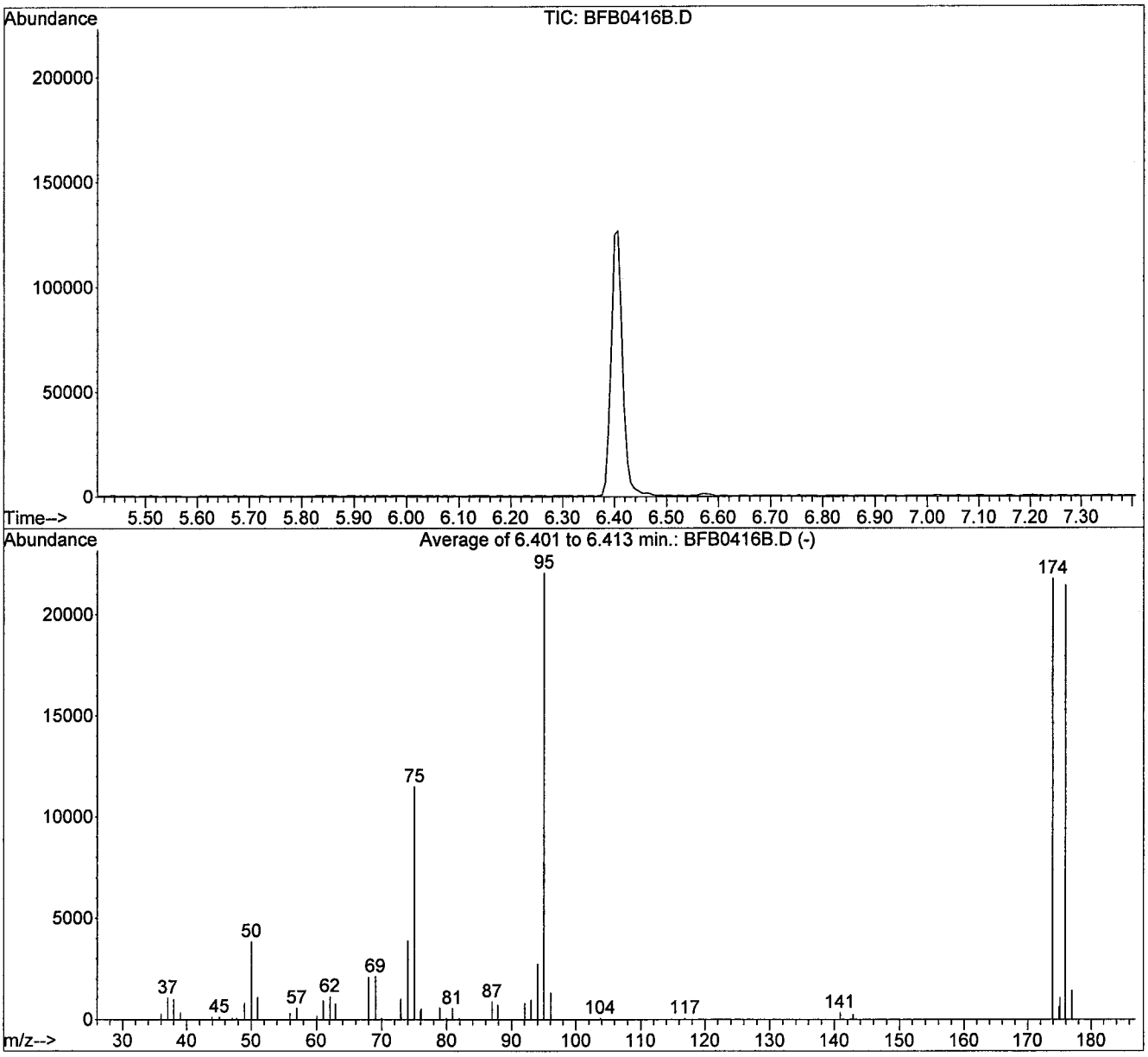
Average of 5.903 to 5.915 min.: BFB0406.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
115.95	124	171.85	188				
116.90	285	172.95	303				
117.80	84	174.00	36872				
118.00	51	174.95	2751				
118.90	182	176.00	35803				
127.80	147	176.95	2358				
129.85	124						
140.90	485						
142.90	580						
147.90	63						
155.00	51						

BFB Tune Evaluation

Data File : C:\MSDCHEM\1\DATA\04-16-12\BFB0416B.D Vial: 1
Acq On : 16 Apr 2012 9:00 Operator: DLV
Sample : TUN Inst : 224
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260B-B19.M (RTE Integrator)
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil



Peak Apex is scan: 915 (6.41 min)
Average of 3 scans: 914,915,916 minus background scan 895 (6.28 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	3863	PASS
75	95	30	60	52.0	11485	PASS
95	95	100	100	100.0	22066	PASS
96	95	5	9	6.1	1345	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	98.7	21776	PASS
175	174	5	9	5.0	1091	PASS
176	174	95	101	98.5	21450	PASS
177	176	5	9	6.8	1449	PASS

BFB0416B.D 8260B-B19.M Tue Apr 17 07:58:18 2012

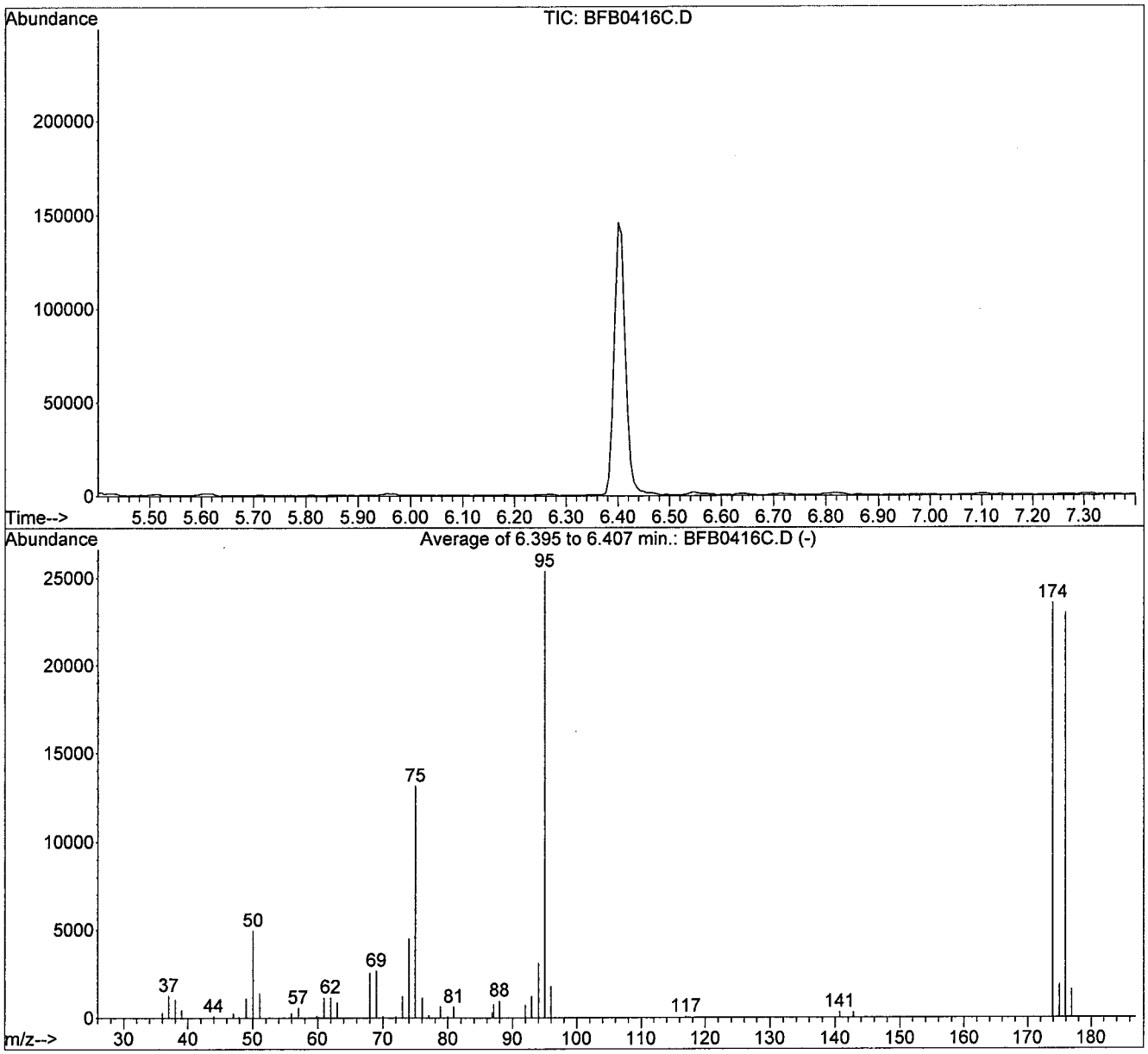
Average of 6.401 to 6.413 min.: BFB0416B.D
TUN
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	287	60.05	180	78.95	577	173.90	21776
37.05	1080	61.05	940	80.85	555	174.90	624
38.00	1004	62.10	1147	87.00	884	175.05	1091
39.05	355	62.95	793	87.90	713	175.90	21450
43.95	128	68.00	2077	92.05	817	176.95	1449
45.10	143	69.05	2136	93.00	969		
49.00	826	72.95	1024	94.00	2761		
50.05	3863	74.00	3906	95.00	22066		
51.00	1102	75.00	11485	96.05	1345		
55.95	319	75.90	414	140.90	352		
57.00	585	76.05	525	142.85	242		

BFB Tune Evaluation

Data File : C:\MSDCHEM\1\DATA\04-16-12\BFB0416C.D Vial: 1
Acq On : 16 Apr 2012 17:56 Operator: DLV
Sample : TUN Inst : 224
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260B-B20.M (RTE Integrator)
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil



Peak Apex is scan: 914 (6.40 min)
Average of 3 scans: 913,914,915 minus background scan 894 (6.28 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	4954	PASS
75	95	30	60	51.7	13133	PASS
95	95	100	100	100.0	25384	PASS
96	95	5	9	7.0	1777	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	92.8	23554	PASS
175	174	5	9	7.9	1871	PASS
176	174	95	101	97.5	22971	PASS
177	176	5	9	6.9	1590	PASS

BFB0416C.D 8260B-B20.M Tue Apr 17 08:04:58 2012

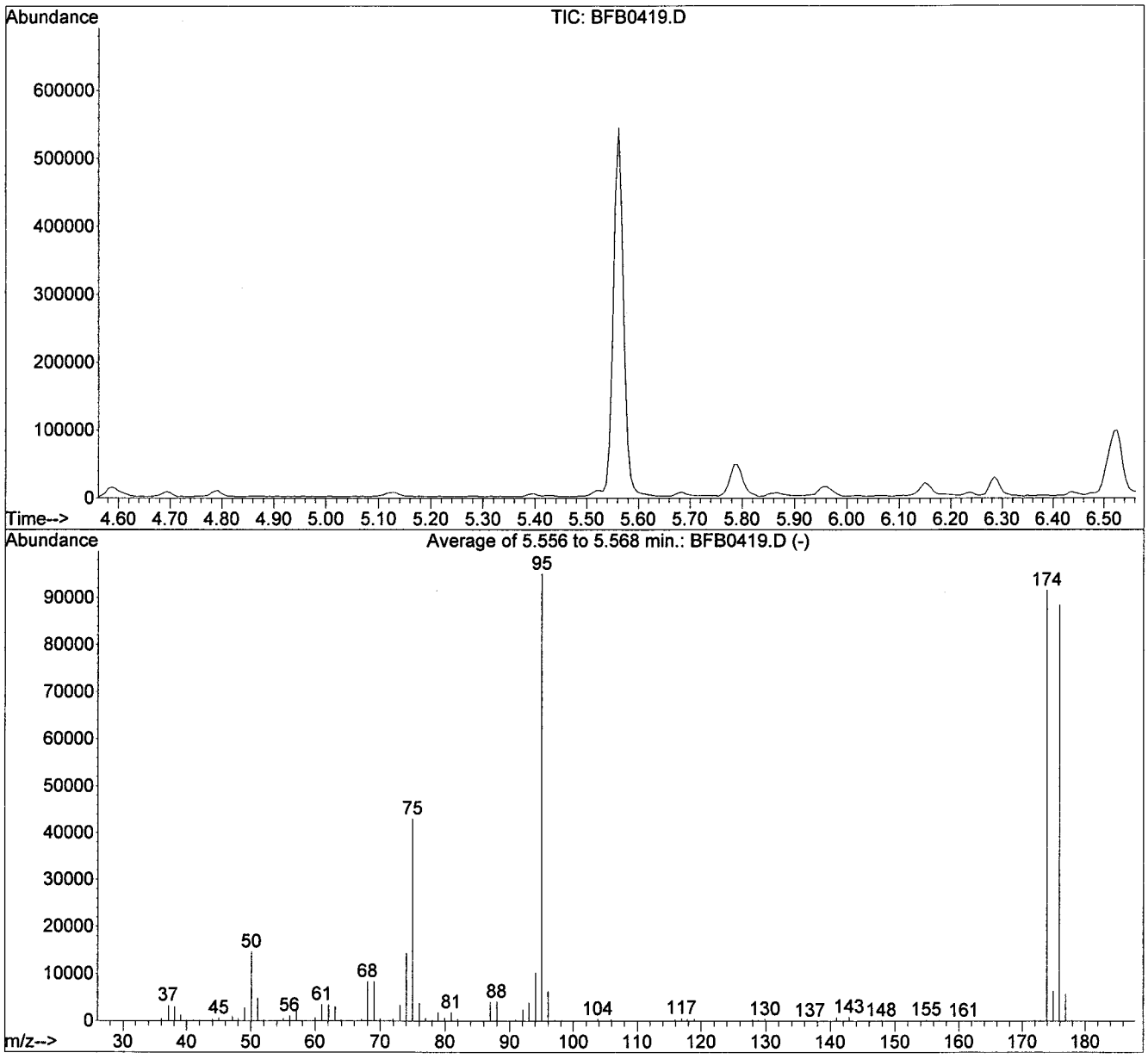
Average of 6.395 to 6.407 min.: BFB0416C.D
TUN
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	309	62.00	1162	86.80	297	174.95	1871
37.00	1264	63.00	896	87.05	764	175.90	22971
38.00	1045	68.00	2550	87.95	969	176.90	1590
39.05	466	69.00	2680	91.95	742		
47.05	253	73.00	1219	92.95	1223		
49.00	1112	74.00	4502	94.00	3105		
50.05	4954	75.00	13133	95.00	25384		
51.05	1391	76.05	1137	96.00	1777		
55.95	274	77.05	152	140.75	322		
57.00	580	78.85	669	142.85	319		
61.00	1148	80.90	632	173.90	23554		

BFB Tune Evaluation

Data File : C:\MSDChem\1\DATA\04-19-12\BFB0419.D Vial: 1
Acq On : 19 Apr 2012 7:46 am Operator: LEW
Sample : BFB0419 Inst : 323
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260B-A159.M (RTE Integrator)
Title : VOLATILE GC/MS BY EPA 8260B/624/524.2



Peak Apex is scan: 848 (5.56 min)
Average of 3 scans: 847,848,849 minus background scan 828 (5.44 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	14676	PASS
75	95	30	60	45.3	43053	PASS
95	95	100	100	100.0	95090	PASS
96	95	5	9	6.6	6299	PASS
173	174	0	2	0.2	188	PASS
174	95	50	100	96.3	91576	PASS
175	174	5	9	7.0	6388	PASS
176	174	95	101	96.5	88373	PASS
177	176	5	9	6.5	5726	PASS

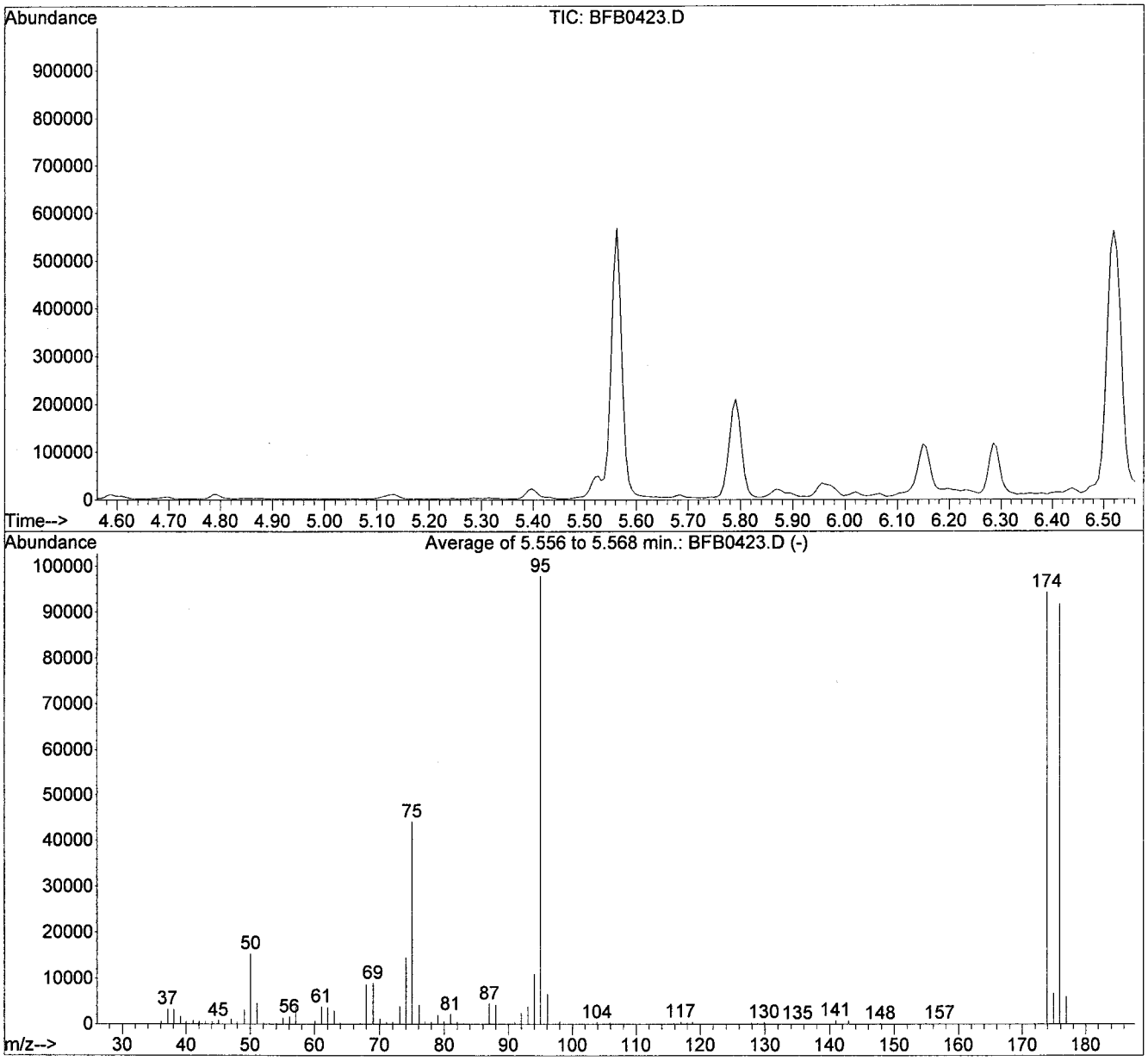
Average of 5.556 to 5.568 min.: BFB0419.D
BFB0419
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	606	56.00	1144	75.00	43053	95.00	95090
37.10	3278	57.05	2312	76.05	3717	96.00	6299
38.10	2985	60.00	707	77.00	594	116.95	623
39.10	1329	61.05	3450	78.95	1850	140.95	819
45.00	631	62.05	3423	79.95	651	142.90	884
47.10	995	63.05	3014	81.00	1829	173.90	91576
48.05	517	68.05	8353	87.00	3992	174.90	6388
49.05	2801	69.05	8299	88.00	4093	175.90	88373
50.10	14676	70.05	494	92.05	2438	176.90	5726
51.05	4807	73.05	3417	93.00	3874		
55.00	516	74.05	14301	94.05	10307		

BFB Tune Evaluation

Data File : C:\MSDChem\1\DATA\04-23-12\BFB0423.D Vial: 1
Acq On : 23 Apr 2012 8:58 am Operator: LEW
Sample : BFB0423 Inst : 323
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260B-A159.M (RTE Integrator)
Title : VOLATILE GC/MS BY EPA 8260B/624/524.2



Peak Apex is scan: 848 (5.56 min)
Average of 3 scans: 847,848,849 minus background scan 828 (5.44 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	15.7	15370	PASS
75	95	30	60	45.1	44160	PASS
95	95	100	100	100.0	97912	PASS
96	95	5	9	6.8	6639	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	96.3	94328	PASS
175	174	5	9	7.2	6782	PASS
176	174	95	101	97.2	91725	PASS
177	176	5	9	6.5	5985	PASS

Average of 5.556 to 5.568 min.: BFB0423.D
BFB0423
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	640	49.05	3167	69.00	8944	87.00	4509
37.10	3310	50.05	15370	70.05	1165	88.00	4221
38.05	3194	51.05	4604	72.00	517	92.00	2439
39.10	1686	55.05	1346	73.05	3941	93.00	3840
40.00	557	56.05	1605	74.05	14575	94.00	11018
41.10	797	57.05	3721	75.00	44160	95.00	97912
42.05	666	60.05	723	76.05	4170	96.05	6639
43.05	570	61.05	3836	77.00	622	98.00	588
44.05	561	62.05	3609	79.00	2000	116.95	565
45.05	804	63.05	2951	79.95	638	140.95	854
47.05	1167	68.00	8642	80.95	2194	142.95	802

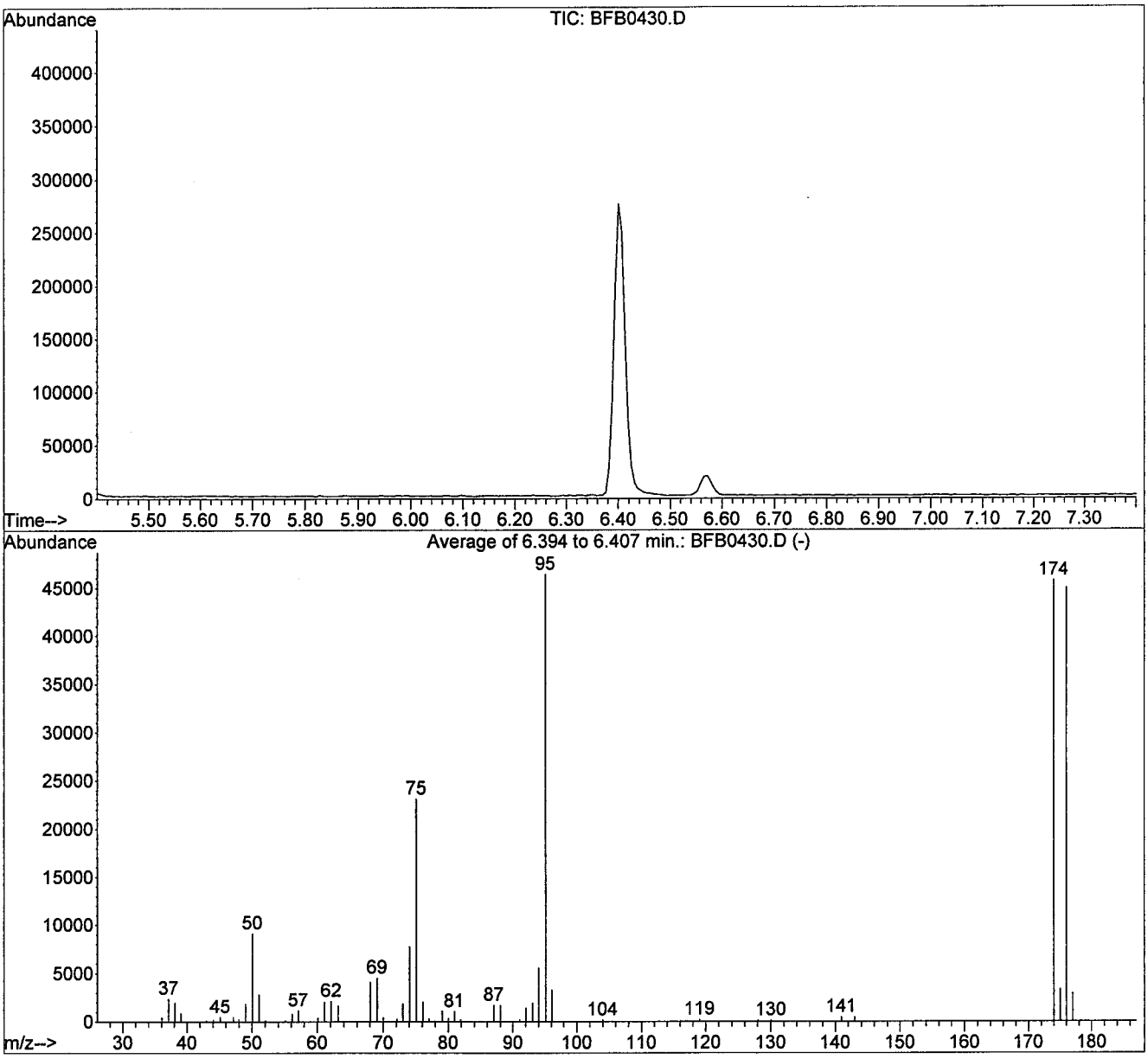
Average of 5.556 to 5.568 min.: BFB0423.D
BFB0423
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.90	94328						
174.95	6782						
175.90	91725						
176.90	5985						

BFB Tune Evaluation

Data File : C:\MSDCHEM\1\DATA\04-30-12\BFB0430.D Vial: 2
Acq On : 30 Apr 2012 8:34 Operator: DLV
Sample : TUN Inst : 224
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260B-B22.M (RTE Integrator)
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil



Peak Apex is scan: 914 (6.40 min)
Average of 3 scans: 913,914,915 minus background scan 894 (6.28 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	9144	PASS
75	95	30	60	49.8	23128	PASS
95	95	100	100	100.0	46416	PASS
96	95	5	9	7.2	3350	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	98.6	45749	PASS
175	174	5	9	7.4	3373	PASS
176	174	95	101	98.3	44986	PASS
177	176	5	9	6.5	2934	PASS

BFB0430.D 8260B-B22.M Tue May 01 09:03:29 2012

Average of 6.394 to 6.407 min.: BFB0430.D
TUN
Modified:subtracted

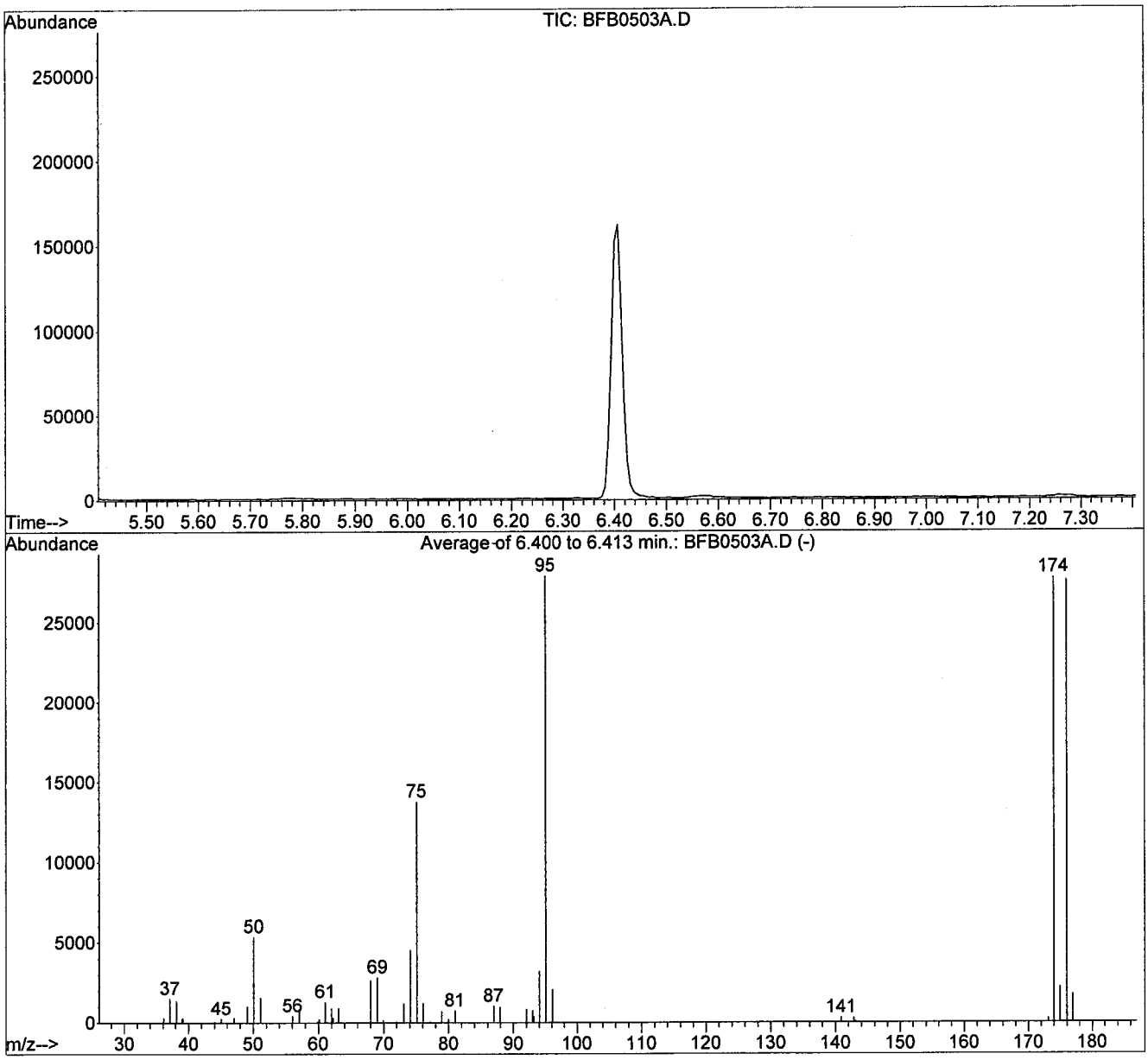
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	458	56.15	810	74.05	7751	93.05	1952
37.10	2418	57.10	1162	75.10	23128	94.05	5563
38.10	2014	60.10	406	76.10	2090	95.10	46416
39.05	912	61.10	2068	77.05	314	96.10	3350
44.05	237	62.10	2149	79.05	1118	119.05	242
45.10	501	63.10	1655	80.00	360	140.95	503
47.15	528	68.05	4134	80.95	1098	142.95	471
48.00	252	69.10	4530	81.95	245	174.00	45749
49.05	1854	70.05	444	87.00	1753	175.00	3373
50.10	9144	72.15	283	88.00	1708	176.00	44986
51.10	2839	73.05	1890	92.05	1416	177.00	2934

BFB Tune Evaluation

Data File : C:\MSDChem\1\DATA\05-03-12\BFB0503A.D
Acq On : 3 May 2012 7:41
Sample : TUN
Misc :
MS Integration Params: RTEINT.P

Vial: 1
Operator: DLV
Inst : 224
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\8260B-B23.M (RTE Integrator)
Title : 8260B/624/524.2 : 5030 wtr : 5035a soil



Peak Apex is scan: 915 (6.41 min)
Average of 3 scans: 914,915,916 minus background scan 895 (6.28 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	5354	PASS
75	95	30	60	49.3	13758	PASS
95	95	100	100	100.0	27898	PASS
96	95	5	9	7.5	2094	PASS
173	174	0	2	1.0	268	PASS
174	95	50	100	99.4	27738	PASS
175	174	5	9	8.0	2211	PASS
176	174	95	101	99.4	27570	PASS
177	176	5	9	6.4	1759	PASS

BFB0503A.D 8260B-B23.M Thu May 03 10:38:53 2012

00951

Average of 6.400 to 6.413 min.: BFB0503A.D
TUN
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	295	57.10	865	75.10	13758	95.05	27898
37.10	1523	60.15	223	76.05	1217	96.10	2094
38.10	1376	61.05	1314	78.95	724	140.90	307
39.00	240	62.00	907	80.00	225	142.85	295
39.15	308	62.20	301	81.00	761	173.10	268
45.05	255	63.05	926	86.95	1047	174.00	27738
47.05	316	68.00	2646	87.95	975	174.95	2211
49.10	1035	69.05	2838	92.00	862	176.00	27570
50.10	5354	69.95	154	93.00	761	176.95	1759
51.10	1610	73.05	1203	93.20	388		
56.05	434	74.10	4549	94.05	3243		

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204318-BLK1 File ID: BLK0406.D

Prepared: 04/06/12 07:00 Analyzed: 04/06/12 09:33

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

QC Batch: 1204318 Sequence: 2D06049 Calibration: 2D06026 Instrument: 328

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
67-64-1	Acetone	2.6	ug/L	1.1	5.0	J
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	1.1	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	1.0	ug/L	0.24	1.0	U
78-93-3	2-Butanone (MEK)	5.0	ug/L	0.63	5.0	U
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

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204318-BLK1 File ID: BLK0406.D

Prepared: 04/06/12 07:00 Analyzed: 04/06/12 09:33

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

QC Batch: 1204318 Sequence: 2D06049 Calibration: 2D06026 Instrument: 328

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
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	0.32	ug/L	0.13	1.0	J
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

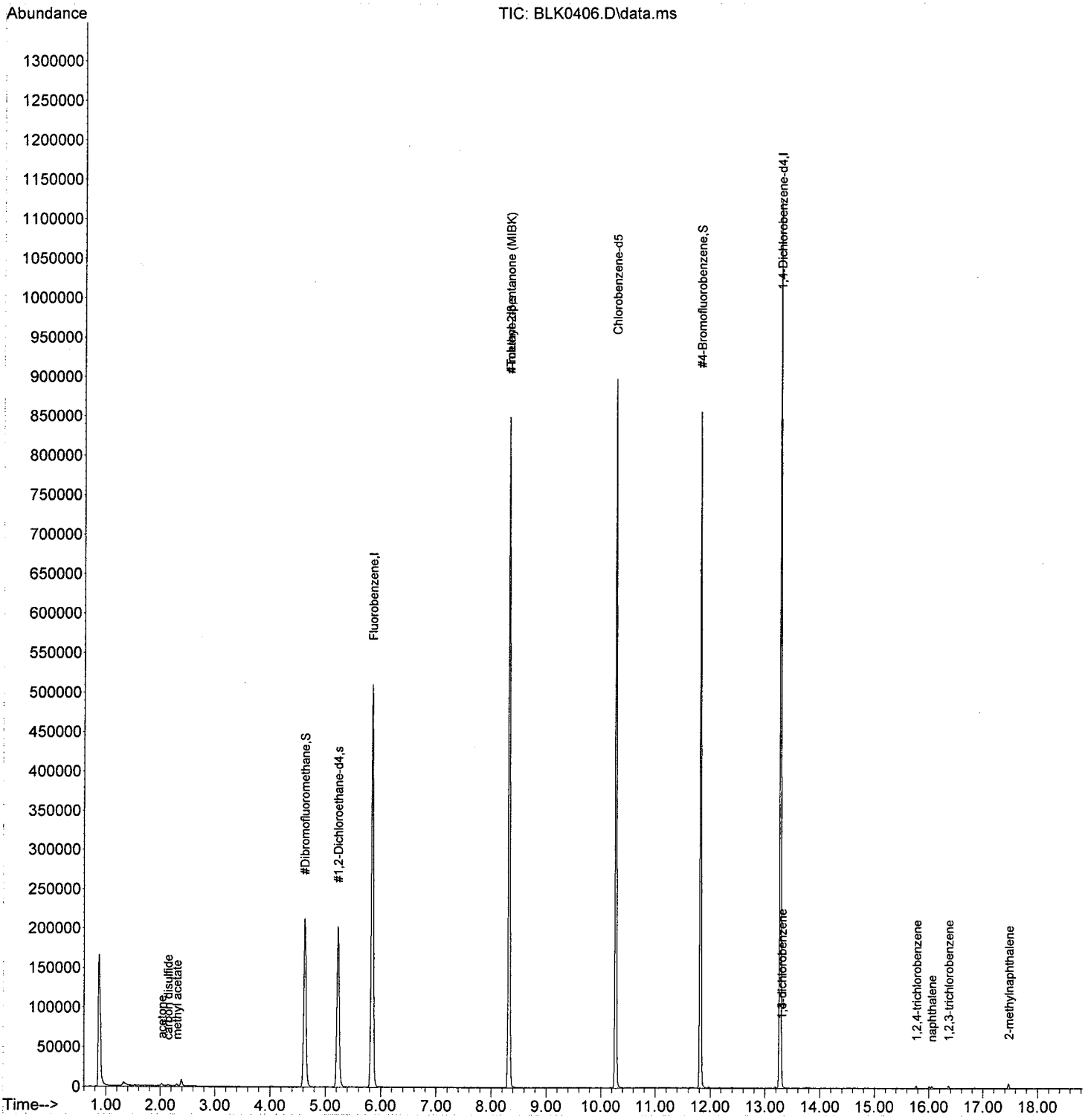
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.2	100	85 - 118	
1,2-Dichloroethane-d4	40.0	40.0	100	87 - 122	
Toluene-d8	40.0	39.1	98	85 - 113	
4-Bromofluorobenzene	40.0	37.4	93	82 - 110	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Fluorobenzene	600591	5.842	97	5.854	
Chlorobenzene-d5	503519	10.274	96	10.28	
1,4-Dichlorobenzene-d4	301931	13.273	87	13.279	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : BLK0406.D
Acq On : 6 Apr 2012 9:33
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 10:02:18 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : BLK0406.D
Acq On : 6 Apr 2012 9:33
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 10:02:18 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.842	96	600591	40.00	ug/L	-0.01
51) Chlorobenzene-d5	10.274	117	503519	40.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.273	152	301931	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	4.623	111	187460	40.18	ug/L	-0.02
Spiked Amount 40.000			Recovery = 100.45%			
37) #1,2-Dichloroethane-d4	5.226	67	113727	40.00	ug/L	-0.01
Spiked Amount 40.000			Recovery = 100.00%			
47) #Toluene-d8	8.323	98	605205	39.10	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.75%			
65) #4-Bromofluorobenzene	11.816	95	261351	37.37	ug/L	0.00
Spiked Amount 40.000			Recovery = 93.42%			
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	2.026	43	4170	2.59	ug/L #	52
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.142	76	1934	0.16	ug/L #	75
16) methyl acetate	2.300	43	2724	1.09	ug/L #	59
17) methylene chloride	2.379	49	4691	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	5.842	57	20473	No Calib	#	
38) trichloroethene	0.000		0	N.D.		

00956

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : BLK0406.D
Acq On : 6 Apr 2012 9:33
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 10:02:18 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 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 (...	8.323	43	2165	~~2.51~~ 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	13.304	146	1661	0.17 ug/L #	49
80) 4-isopropyltoluene	0.000		0	N.D.	
81) 1,4-dichlorobenzene	13.304	146	1661	0.17 ug/L #	49
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	15.773	180	1482	0.32 ug/L #	87
87) hexachlorobutadiene	0.000		0	N.D.	
88) naphthalene	16.053	128	3117	1.57 ug/L #	78
89) 1,2,3-trichlorobenzene	16.364	180	1375	0.33 ug/L #	81
90) 2-methylnaphthalene	17.474	142	3973	4.17 ug/L	99

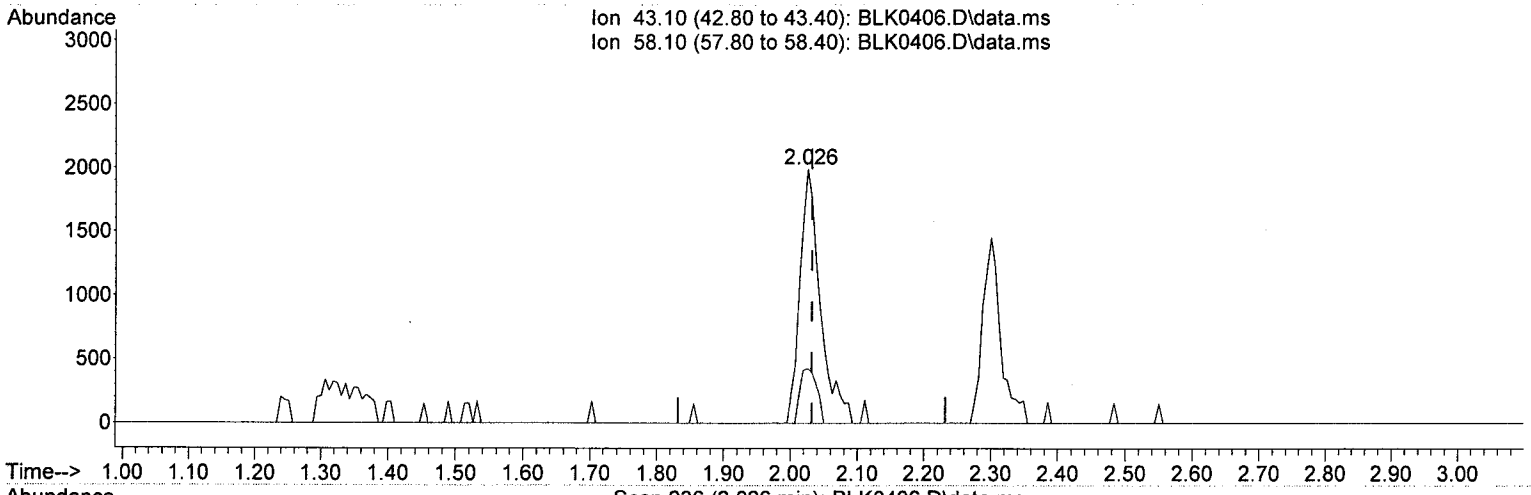
(#) = qualifier out of range (m) = manual integration (+) = signals summed

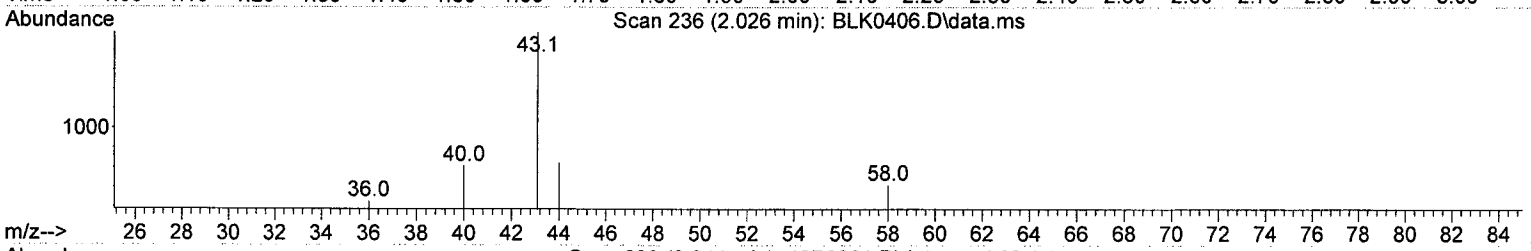
00957

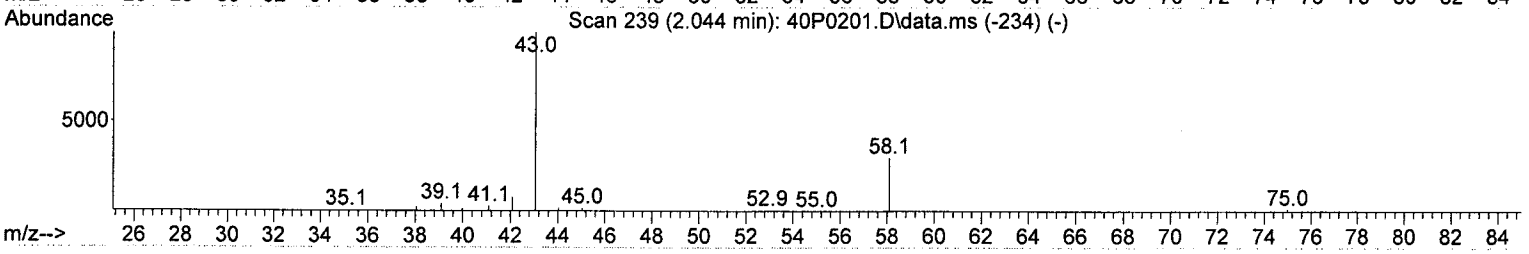
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : BLK0406.D
Acq On : 6 Apr 2012 9:33
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 10:02:18 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration







TIC: BLK0406.D\data.ms

(13) acetone

2.026min (-0.006) 2.59 ug/L

response 4170

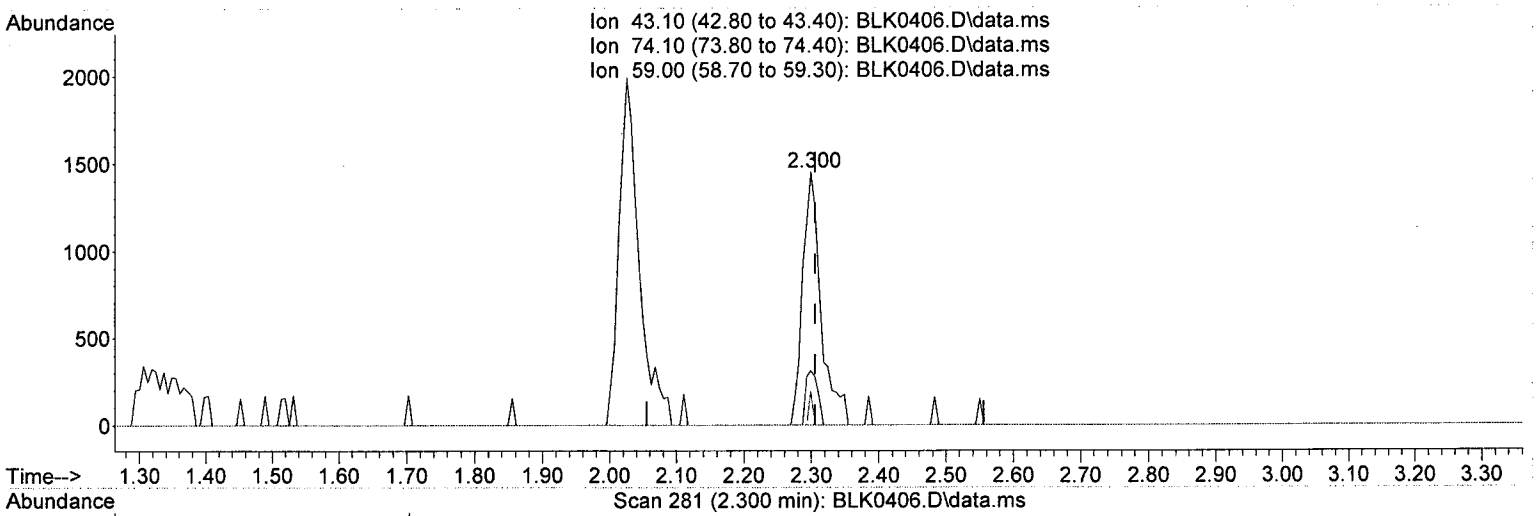
Ion	Exp%	Act%
43.10	100	100
58.10	23.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

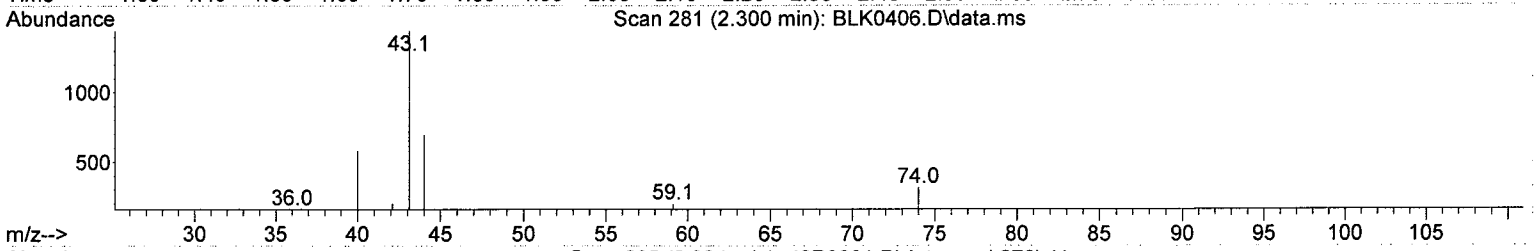
00958

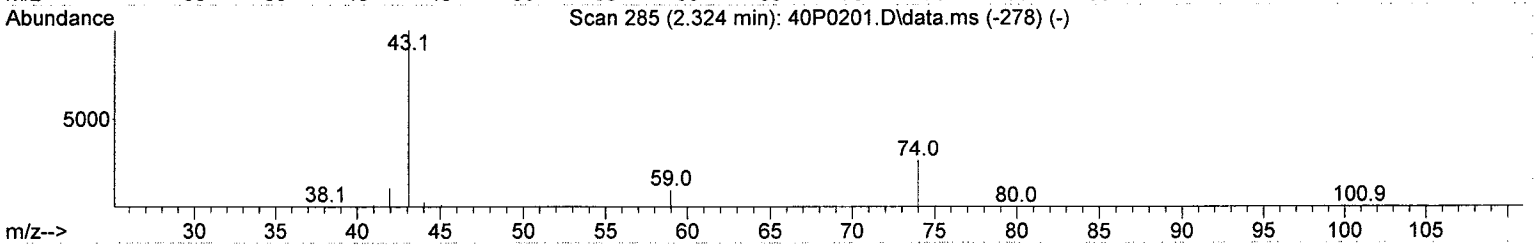
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : BLK0406.D
Acq On : 6 Apr 2012 9:33
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 10:02:18 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration







TIC: BLK0406.D\data.ms

(16) methyl acetate

2.300min (-0.006) 1.09 ug/L

response 2724

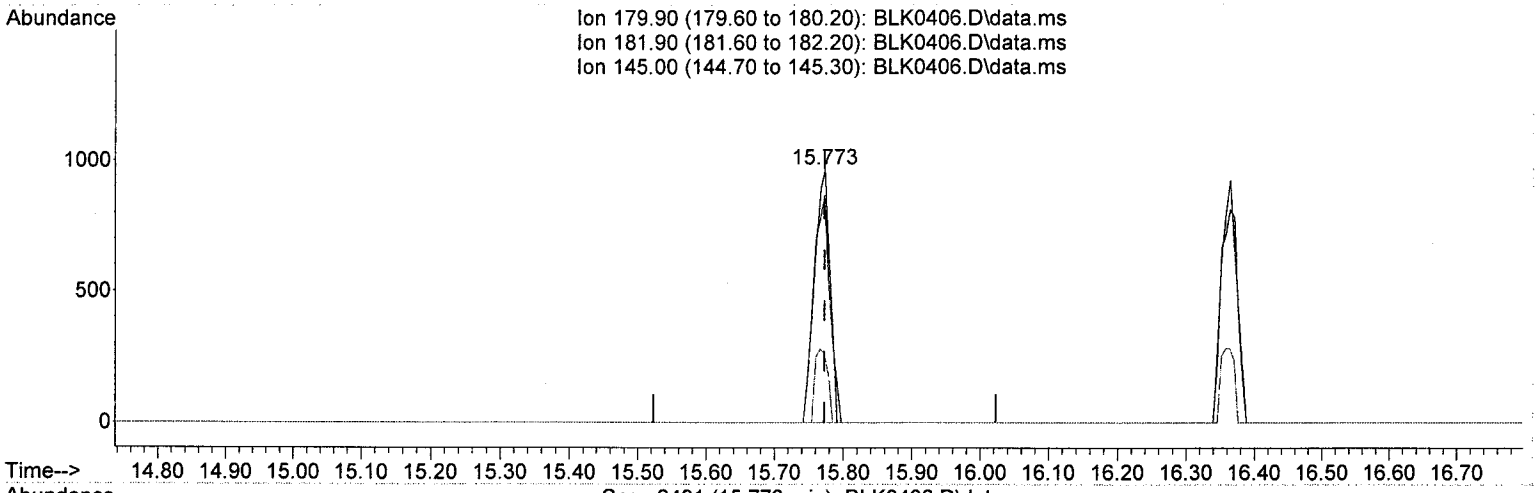
Ion	Exp%	Act%
43.10	100	100
74.10	23.10	0.00#
59.00	9.30	0.00
0.00	0.00	0.00

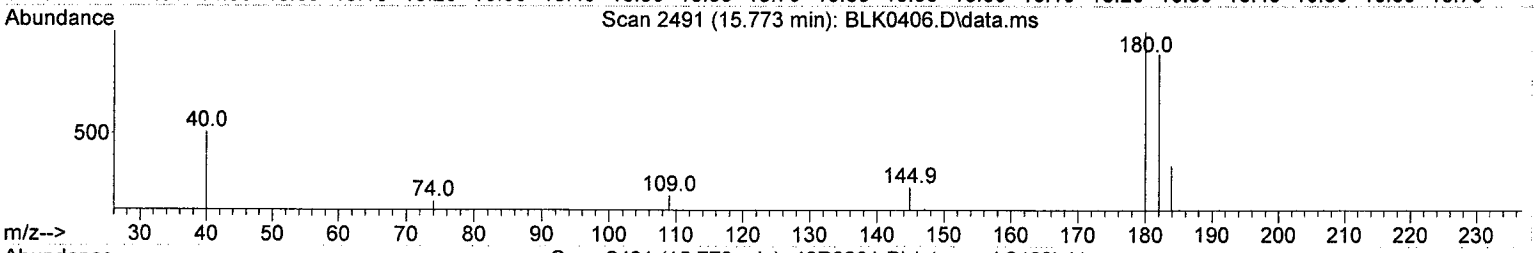
00959

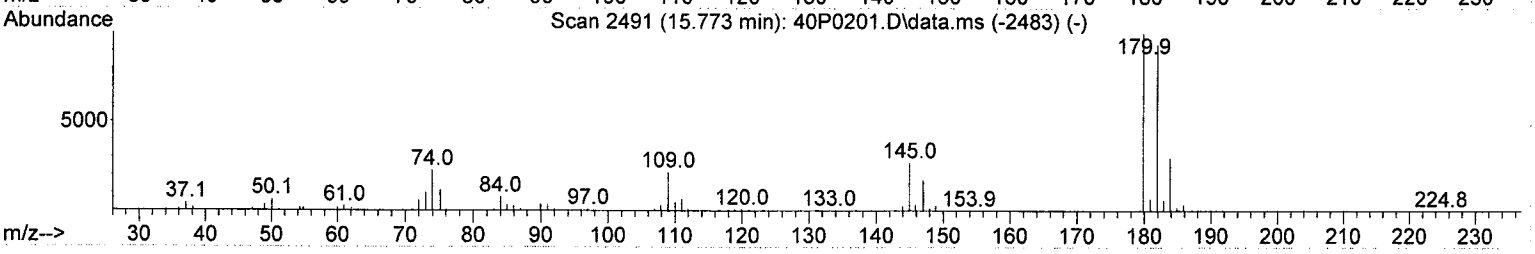
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : BLK0406.D
Acq On : 6 Apr 2012 9:33
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 10:02:18 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration







TIC: BLK0406.D\data.ms

(86) 1,2,4-trichlorobenzene

15.773min (-0.000) 0.32 ug/L

response 1482

Ion	Exp%	Act%
179.90	100	100
181.90	96.10	96.29
145.00	29.30	0.00#
0.00	0.00	0.00

00960

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204730-BLK1 File ID: BLK0416C.D

Prepared: 04/16/12 17:00 Analyzed: 04/16/12 19:46

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

QC Batch: 1204730 Sequence: 2D17013 Calibration: 2D17013 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	0.28	ug/L	0.23	5.0	J
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	0.40	ug/L	0.24	1.0	J
78-93-3	2-Butanone (MEK)	5.0	ug/L	0.63	5.0	U
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

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204730-BLK1 File ID: BLK0416C.D

Prepared: 04/16/12 17:00 Analyzed: 04/16/12 19:46

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

QC Batch: 1204730 Sequence: 2D17013 Calibration: 2D17013 Instrument: 224

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
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

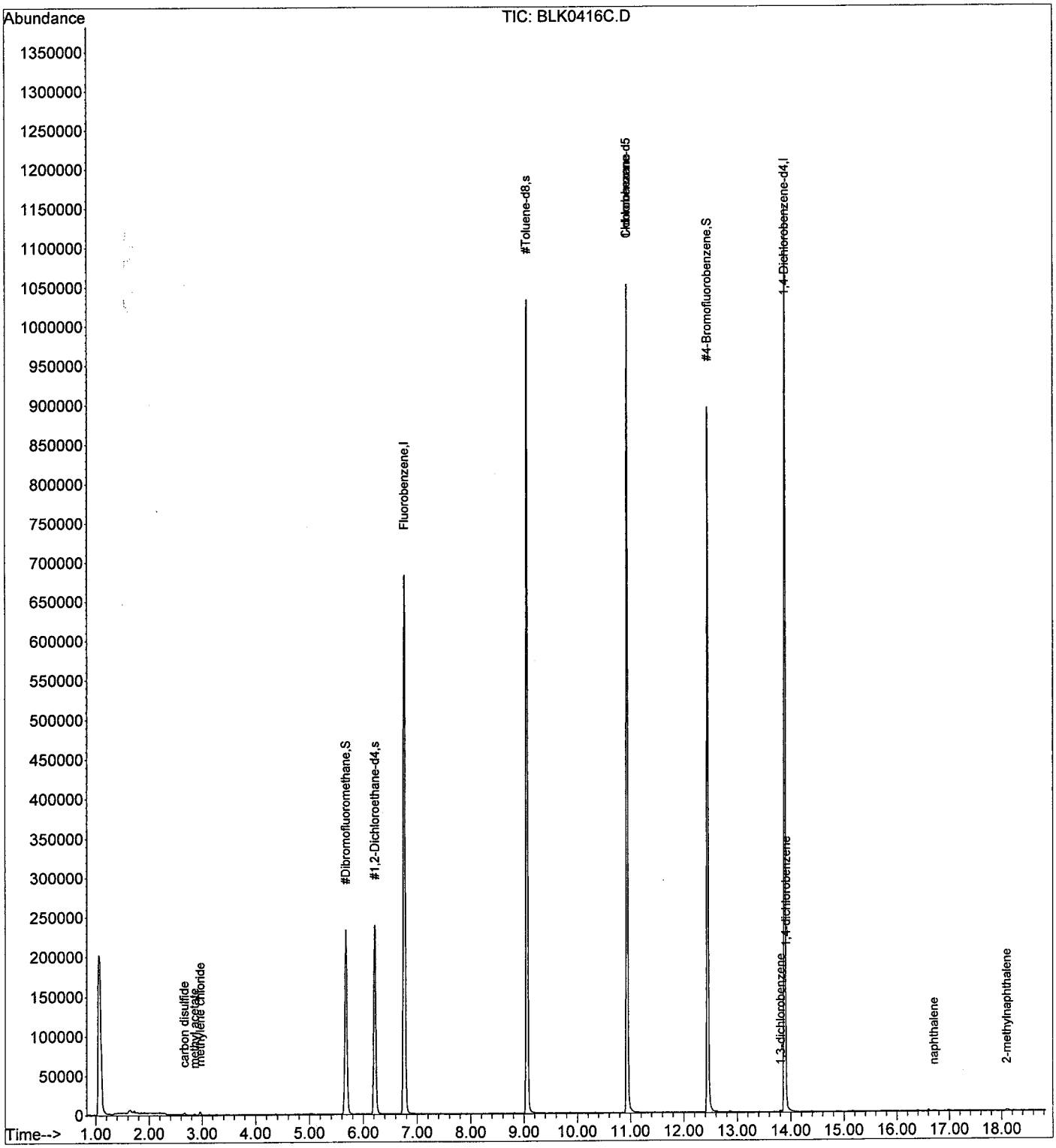
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	39.0	98	85 - 118	
1,2-Dichloroethane-d4	40.0	38.9	97	87 - 122	
Toluene-d8	40.0	38.4	96	85 - 113	
4-Bromofluorobenzene	40.0	39.0	98	82 - 110	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Fluorobenzene	759884	6.76	101	6.76	
Chlorobenzene-d5	632228	10.94	99	10.94	
1,4-Dichlorobenzene-d4	348563	13.89	96	13.89	

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : BLK0416C.D
Acq On : 16 Apr 2012 19:46
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 20:05:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration



00963

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : BLK0416C.D
Acq On : 16 Apr 2012 19:46
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 20:05:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	759884	40.00	ug/L	0.00 101.93%
51) Chlorobenzene-d5	10.94	117	632228	40.00	ug/L	0.00 99.56%
66) 1,4-Dichlorobenzene-d4	13.89	152	348563	40.00	ug/L	0.00 95.68%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	197023	39.01	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.52%		
37) #1,2-Dichloroethane-d4	6.22	65	237055	38.92	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.30%		
47) #Toluene-d8	9.06	98	771289	38.35	ug/L	0.00
Spiked Amount 40.000			Recovery =	95.88%		
65) #4-Bromofluorobenzene	12.44	95	315487	39.01	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.52%		
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	2.66	76	3183	0.28	ug/L #	75
16) methyl acetate	2.86	43	1784	PS ~~0.75~~	ug/L #	59
17) methylene chloride	2.97	49	2327	0.40	ug/L	84
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	6.76	57	25838	No Calib	#	

00964

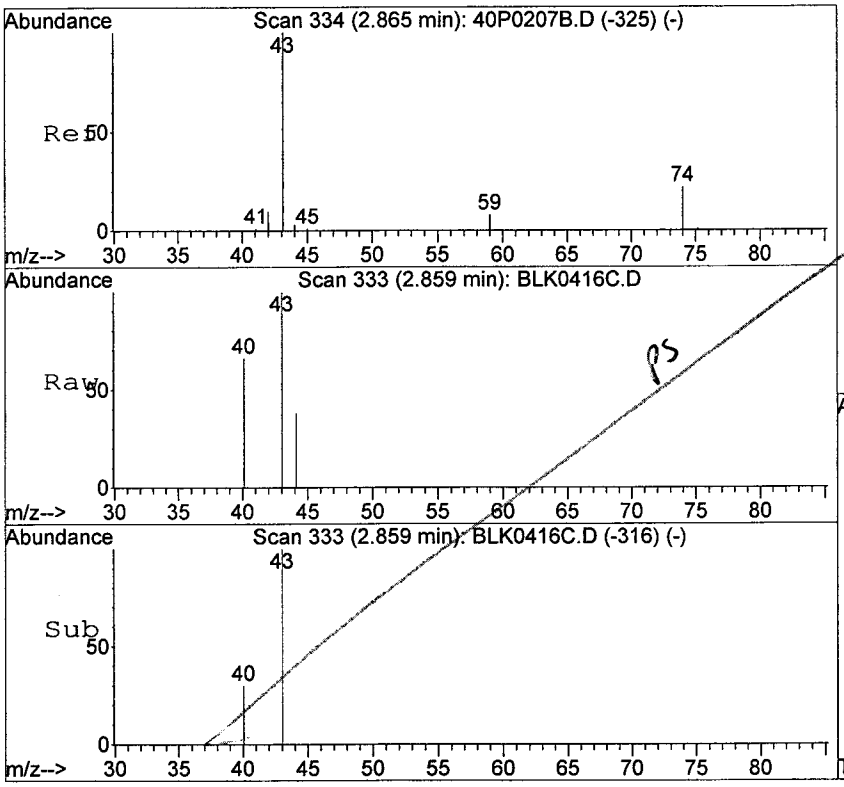
Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : BLK0416C.D
Acq On : 16 Apr 2012 19:46
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 20:05:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 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	10.94	55	6003	1.30	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	13.81	146	1267	0.13	ug/L	#	25
80) 4-isopropyltoluene	0.00	119	0	N.D.			
81) 1,4-dichlorobenzene	13.92	146	2196	0.21	ug/L	#	74
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	16.72	128	1717	~~3.89~~	ug/L	#	78
89) 1,2,3-trichlorobenzene	0.00	180	0	N.D.			
90) 2-methylnaphthalene	18.10	142	1822	6.17	ug/L	#	71

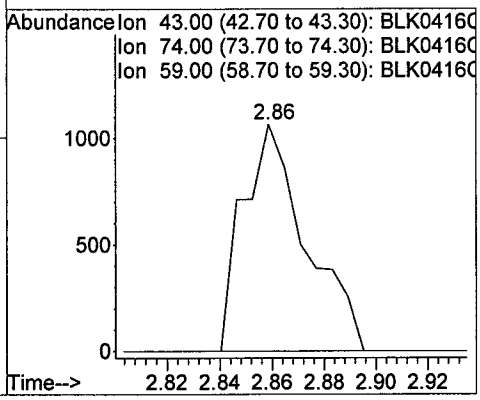
(#) = qualifier out of range (m) = manual integration (+) = signals summed

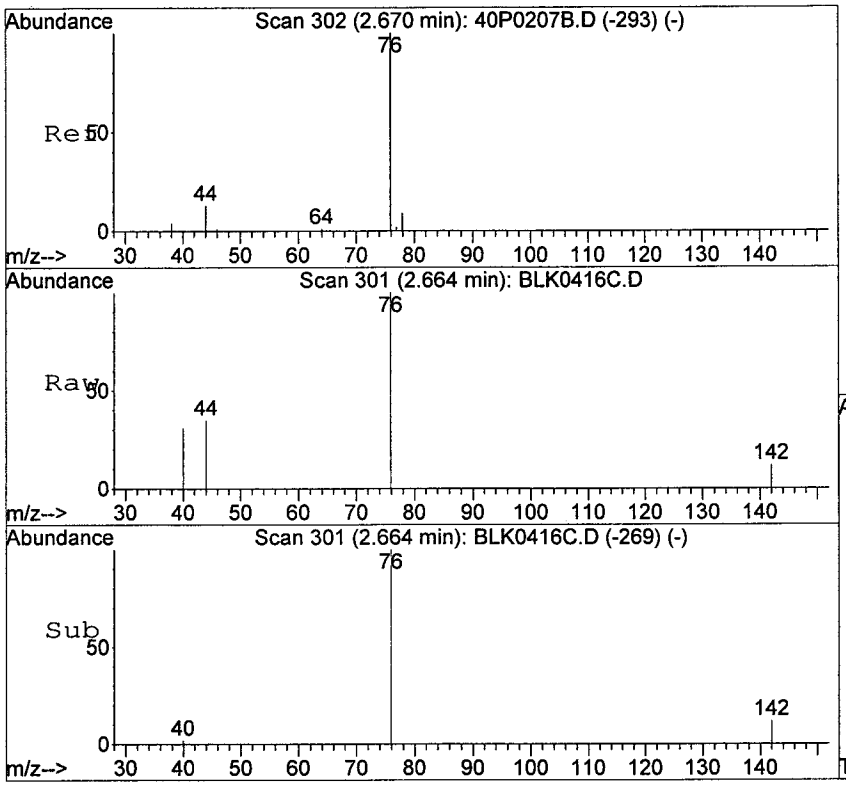


#16
methyl acetate
Concen: 0.75 ug/L
RT: 2.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: BLK0416C.D
Acq: 16 Apr 2012 19:46

Tgt Ion: 43 Resp: 1784

Ion	Ratio	Lower	Upper
43	100		
74	0.0	2.6	42.6#
59	0.0	0.0	28.4

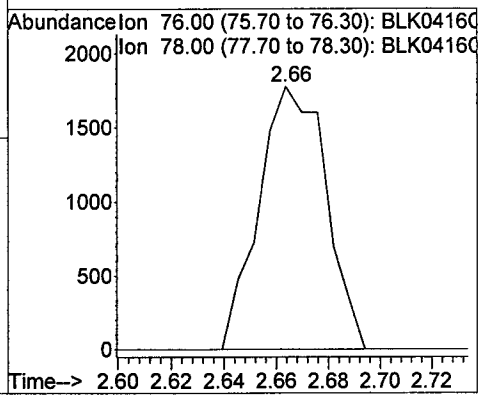


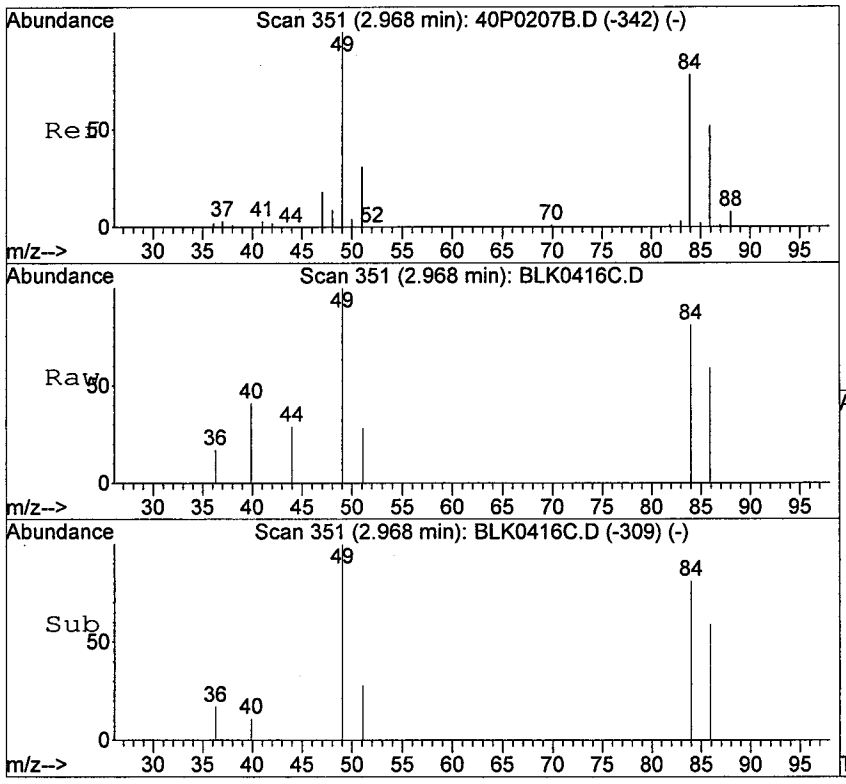


#15
carbon disulfide
Concen: 0.28 ug/L
RT: 2.66 min Scan# 301
Delta R.T. -0.01 min
Lab File: BLK0416C.D
Acq: 16 Apr 2012 19:46

Tgt Ion: 76 Resp: 3183

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.2	10.8#

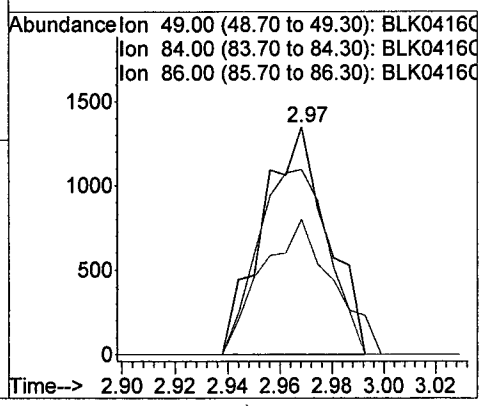




#17
methylene chloride
Concen: 0.40 ug/L
RT: 2.97 min Scan# 351
Delta R.T. 0.01 min
Lab File: BLK0416C.D
Acq: 16 Apr 2012 19:46

Tgt Ion: 49 Resp: 2327

Ion	Ratio	Lower	Upper
49	100		
84	92.0	57.7	97.7
86	60.8	29.4	69.4



METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205092-BLK1 File ID: BLK0423A.D

Prepared: 04/23/12 08:00 Analyzed: 04/23/12 11:15

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

QC Batch: 1205092 Sequence: 2D24048 Calibration: 2D20002 Instrument: 323

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
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

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205092-BLK1 File ID: BLK0423A.D

Prepared: 04/23/12 08:00 Analyzed: 04/23/12 11:15

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

QC Batch: 1205092 Sequence: 2D24048 Calibration: 2D20002 Instrument: 323

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
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	0.14	ug/L	0.13	1.0	J
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

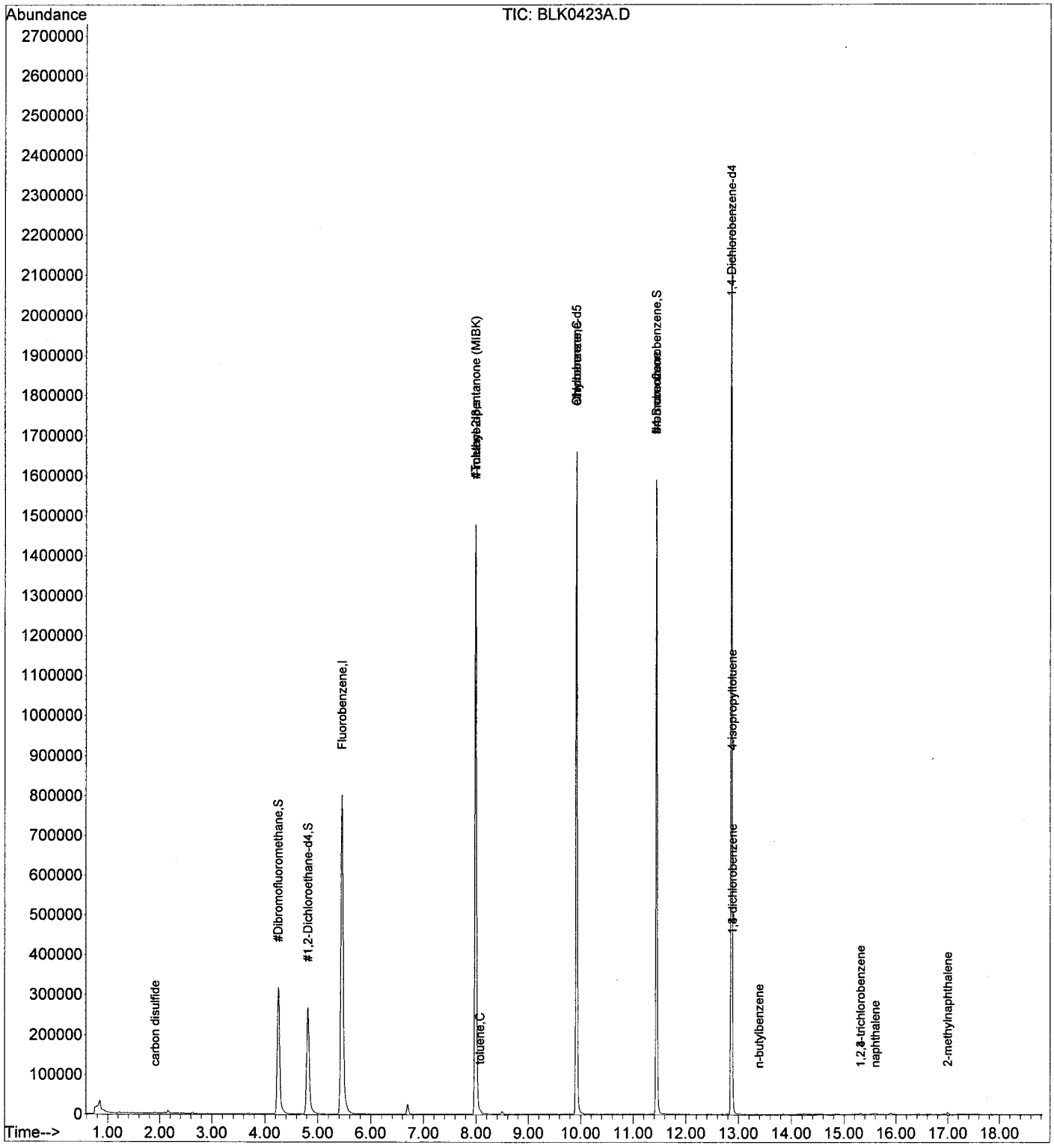
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	41.1	103	85 - 118	
1,2-Dichloroethane-d4	40.0	41.4	104	87 - 122	
Toluene-d8	40.0	39.2	98	85 - 113	
4-Bromofluorobenzene	40.0	40.4	101	82 - 110	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Fluorobenzene	1317874	5.46	98	5.45	
Chlorobenzene-d5	1082398	9.92	100	9.92	
1,4-Dichlorobenzene-d4	691716	12.86	100	12.87	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : BLK0423A.D
InstName : 323
Acq On : 23 Apr 2012 11:15 am
Operator : LEW
Sample : BLK0423A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 23 14:45:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : BLK0423A.D
InstName : 323
Acq On : 23 Apr 2012 11:15 am
Operator : LEW
Sample : BLK0423A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 23 14:45:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.46	96	1317874	40.00	ug/L	0.00 96.09%
50) Chlorobenzene-d5	9.92	117	1082398	40.00	ug/L	0.00 98.72%
65) 1,4-Dichlorobenzene-d4	12.86	152	691716	40.00	ug/L	0.00 98.76%
System Monitoring Compounds						
30) #Dibromofluoromethane	4.25	111	333681	41.10	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.75%		
37) #1,2-Dichloroethane-d4	4.82	67	177484	41.40	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.50%		
46) #Toluene-d8	7.99	98	1252399	39.24	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.10%		
64) #4-Bromofluorobenzene	11.44	95	544782	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	1.84	43	1394	Below Cal	#	50
14) iodomethane	0.00	142	0	N.D.		
15) carbon disulfide	1.91	76	3199	0.14	ug/L #	74
16) methyl acetate	2.08	43	2856	Below Cal	#	54
17) methylene chloride	2.15	49	3721	Below Cal	#	78
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.		
29) 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	0.00	57	0	N.D.		

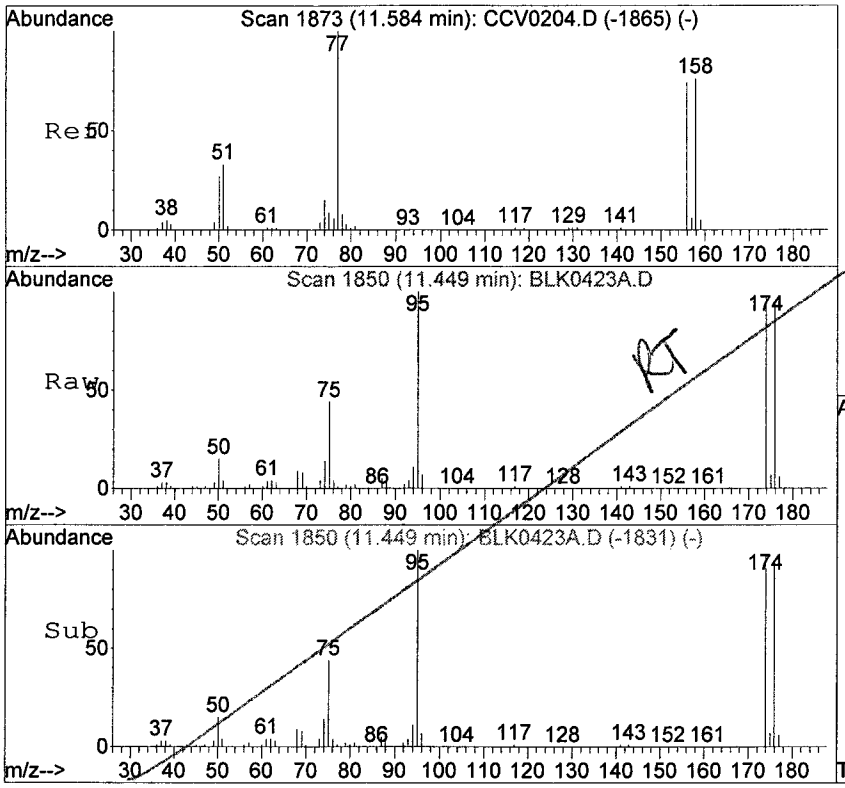
Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : BLK0423A.D
InstName : 323
Acq On : 23 Apr 2012 11:15 am
Operator : LEW
Sample : BLK0423A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 23 14:45:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 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) bromodichloromethane	0.00	83	0	N.D.			
43) 2-chloroehtyl vinyl ethe	0.00	63	0	N.D.			
44) cis-1,3-dichloropropene	0.00	75	0	N.D.			
45) 4-methyl-2-pentanone (MIBK	7.99	43	4133	~~1.05~~	ug/L	#	1
47) toluene	8.08	91	3530	0.10	ug/L		89
48) trans-1,3-dichloropropen	0.00	75	0	N.D.			
49) 1,1,2-trichloroethane	0.00	83	0	N.D.			
51) tetrachloroethene	0.00	166	0	N.D.			
52) 1,3-dichloropropane	0.00	76	0	N.D.			
53) 2-hexanone (MBK)	0.00	43	0	N.D.			
54) dibromochloromethane	0.00	129	0	N.D.			
55) 1,2-dibromoethane	0.00	109	0	N.D.			
56) chlorobenzene	0.00	112	0	N.D.			
57) 1-chlorohexane	0.00	55	0	N.D.			
58) 1,1,1,2-tetrachloroethan	0.00	131	0	N.D.			
59) ethylbenzene	9.92	91	1645	0.04	ug/L	#	43
60) m+p-xylene	0.00	106	0	N.D.			
61) o-xylene	0.00	106	0	N.D.			
62) styrene	0.00	104	0	N.D.			
63) bromoform	0.00	173	0	N.D.			
66) isopropylbenzene	0.00	105	0	~~N.D.~~			
67) bromobenzene	11.45	77	2849	~~0.16~~	ug/L	#	11
68) 1,1,2,2-tetrachloroethan	0.00	83	0	N.D.			
69) 1,2,3-trichloropropane	0.00	110	0	N.D.			
70) 1,4-dichloro-2-butene	0.00	53	0	N.D.			
71) n-propylbenzene	0.00	120	0	N.D.			
72) 2-chlorotoluene	0.00	126	0	N.D.			
73) 1,3,5-trimethylbenzene	0.00	105	0	N.D.			
74) 4-chlorotoluene	0.00	91	0	N.D.			
75) tert-butylbenzene	0.00	119	0	N.D.			
76) 1,2,4-trimethylbenzene	0.00	105	0	N.D.			
77) sec-butylbenzene	0.00	105	0	N.D.			
78) 1,3-dichlorobenzene	12.89	146	1876	0.08	ug/L	#	25
79) 4-isopropyltoluene	12.89	119	1626	0.04	ug/L	#	1
80) 1,4-dichlorobenzene	12.89	146	1876	0.08	ug/L	#	25
81) 1,2-dichlorobenzene	0.00	146	0	N.D.			
82) n-butylbenzene	13.39	91	1231	0.04	ug/L	#	31
83) hexachloroethane	0.00	201	0	N.D.			
84) 1,2-dibromo-3-chloroprop	0.00	157	0	N.D.			
85) 1,2,4-trichlorobenzene	15.32	180	1817	0.14	ug/L	#	82
86) hexachlorobutadiene	0.00	225	0	N.D.			
87) naphthalene	15.60	128	4046	2.84	ug/L	#	77
88) 1,2,3-trichlorobenzene	15.32	180	1817	0.14	ug/L	#	82
89) 2-methylnaphthalene	17.00	142	3895	4.75	ug/L	#	77

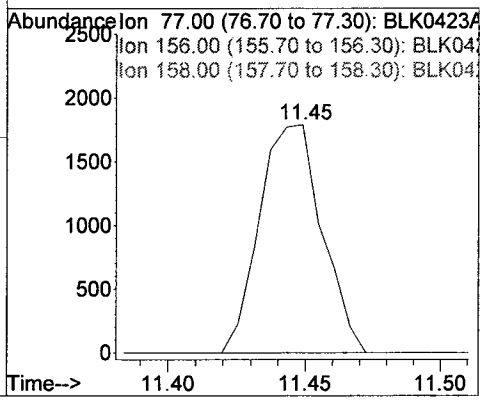
(#) = qualifier out of range (m) = manual integration (+) = signals summed

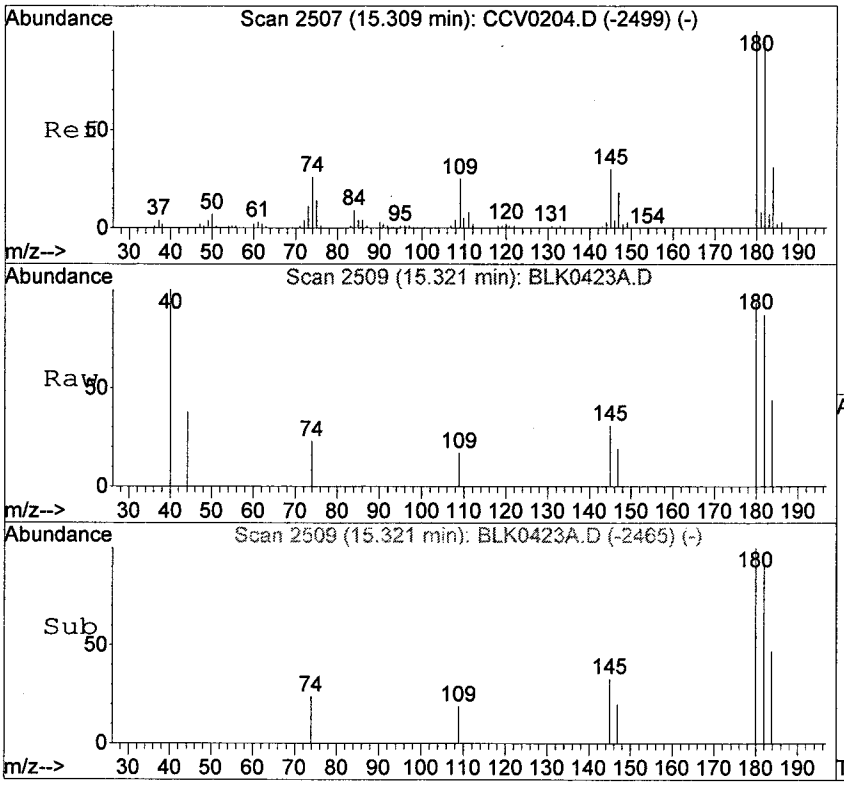


#67
bromobenzene
Concen: 0.18 ug/L
RT: 11.45 min Scan# 1850
Delta R.T. -0.14 min
Lab File: BLK0423A.D
Acq: 23 Apr 2012 11:15 am

Tgt Ion: 77 Resp: 2849

Ion	Ratio	Lower	Upper
77	100		
156	0.0	57.9	97.9#
158	0.0	56.4	96.4#

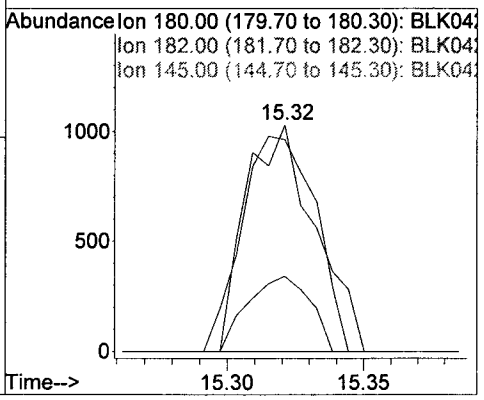




#85
1,2,4-trichlorobenzene
Concen: 0.14 ug/L
RT: 15.32 min Scan# 2509
Delta R.T. 0.01 min
Lab File: BLK0423A.D
Acq: 23 Apr 2012 11:15 am

Tgt Ion:180 Resp: 1817

Ion	Ratio	Lower	Upper
180	100		
182	101.0	74.6	114.6
145	0.0	9.7	49.7#



METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205579-BLK1 File ID: BLK0503.D

Prepared: 05/03/12 07:00 Analyzed: 05/03/12 09:31

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

QC Batch: 1205579 Sequence: 2E04020 Calibration: 2E03002 Instrument: 224

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
67-64-1	Acetone	6.0	ug/L	1.1	5.0	
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	1.0	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	0.49	ug/L	0.24	1.0	J
78-93-3	2-Butanone (MEK)	5.0	ug/L	0.63	5.0	U
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

METHOD BLANK DATA SHEET
USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205579-BLK1 File ID: BLK0503.D

Prepared: 05/03/12 07:00 Analyzed: 05/03/12 09:31

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

QC Batch: 1205579 Sequence: 2E04020 Calibration: 2E03002 Instrument: 224

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
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

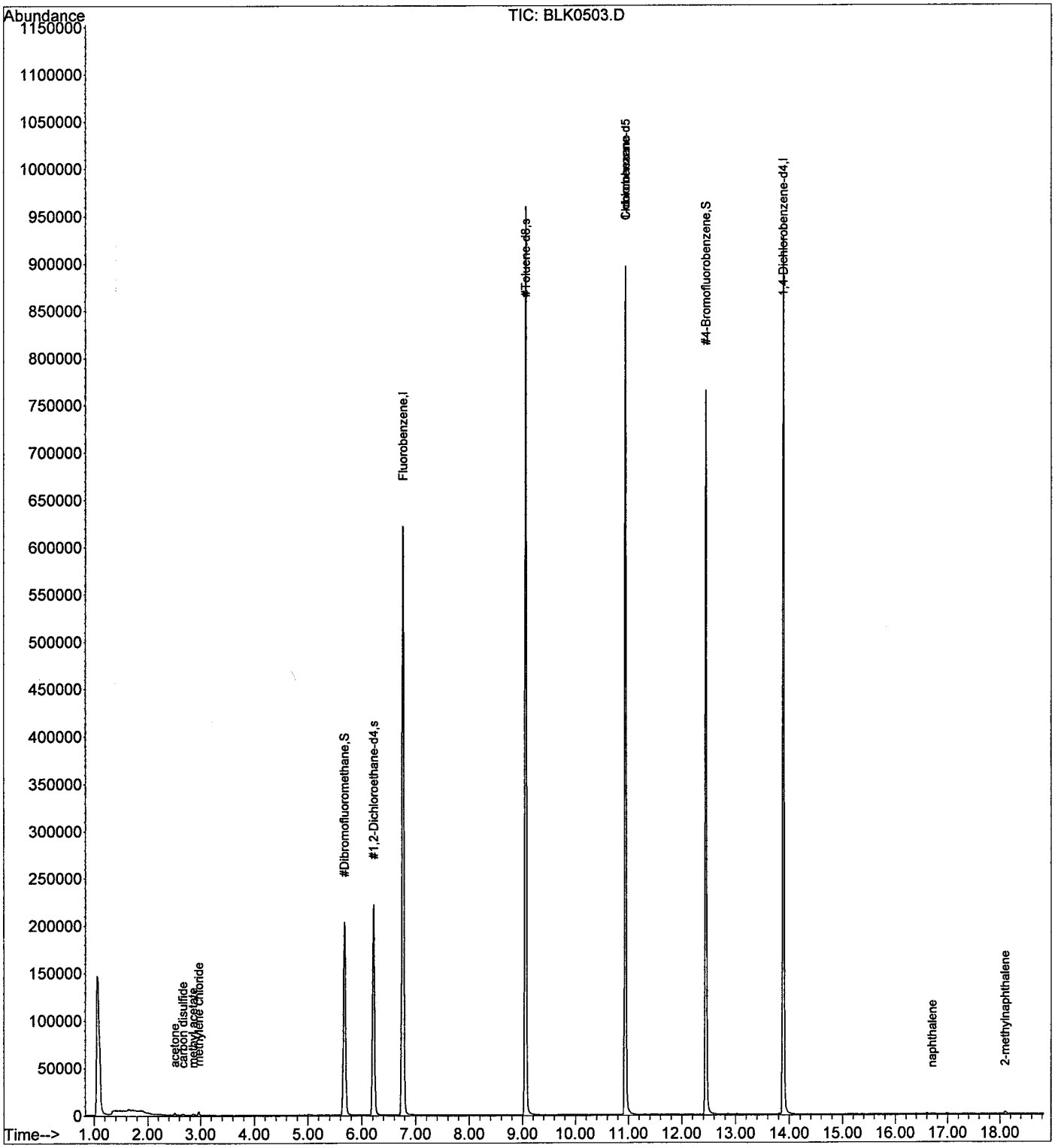
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.5	101	85 - 118	
1,2-Dichloroethane-d4	40.0	42.0	105	87 - 122	
Toluene-d8	40.0	40.6	101	85 - 113	
4-Bromofluorobenzene	40.0	39.5	99	82 - 110	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Fluorobenzene	699124	6.76	97	6.76	
Chlorobenzene-d5	543088	10.94	96	10.94	
1,4-Dichlorobenzene-d4	288936	13.89	94	13.89	

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : BLK0503.D
Acq On : 3 May 2012 9:31
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 09:50:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration



00976

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : BLK0503.D
Acq On : 3 May 2012 9:31
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 09:50:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	699124	40.00	ug/L	0.00 78.44%
51) Chlorobenzene-d5	10.94	117	543088	40.00	ug/L	0.00 77.96%
66) 1,4-Dichlorobenzene-d4	13.89	152	288936	40.00	ug/L	0.00 73.03%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	171201	40.54	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.35%		
37) #1,2-Dichloroethane-d4	6.22	65	204974	42.04	ug/L	0.00
Spiked Amount 40.000			Recovery =	105.10%		
47) #Toluene-d8	9.06	98	700182	40.56	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.40%		
65) #4-Bromofluorobenzene	12.45	95	261155	39.52	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.80%		
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	2.52	43	3120	6.03	ug/L #	46
14) iodomethane	0.00	142	0	N.D.		
15) carbon disulfide	2.67	76	1619	0.19	ug/L #	75
16) methyl acetate	2.86	43	2391	1.03	ug/L #	60
17) methylene chloride	2.97	49	2390	0.49	ug/L #	64
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	6.77	57	24158	No Calib	#	

00977

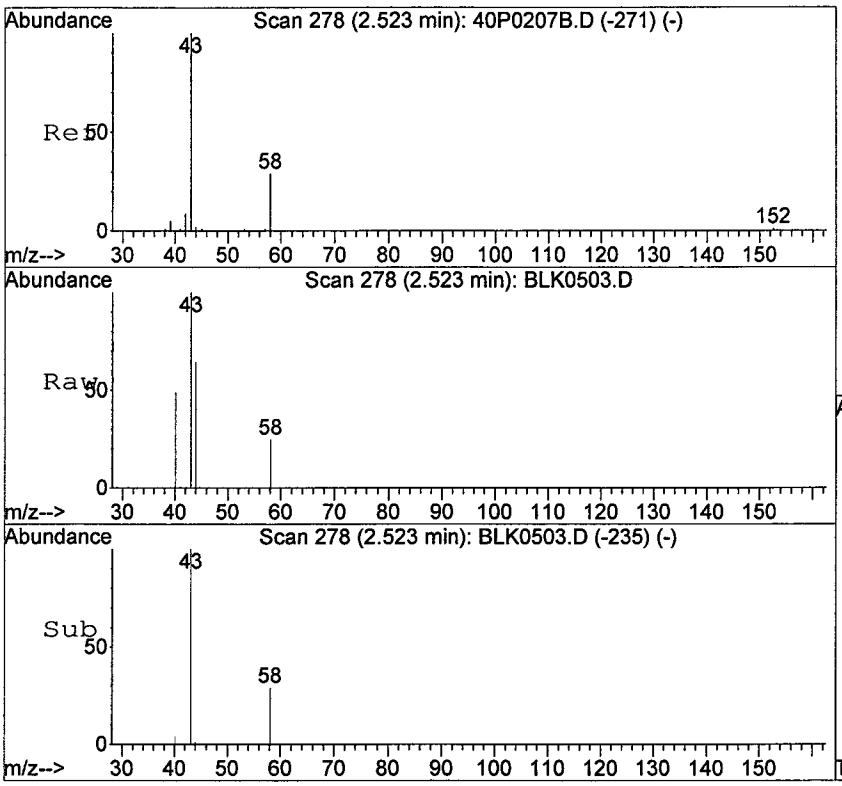
Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : BLK0503.D
Acq On : 3 May 2012 9:31
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 09:50:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 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	10.94	55	5274	1.40	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	16.70	128	1753	0.24	ug/L	#	79
89) 1,2,3-trichlorobenzene	0.00	180	0	N.D.			
90) 2-methylnaphthalene	18.09	142	2763	4.83	ug/L	#	79

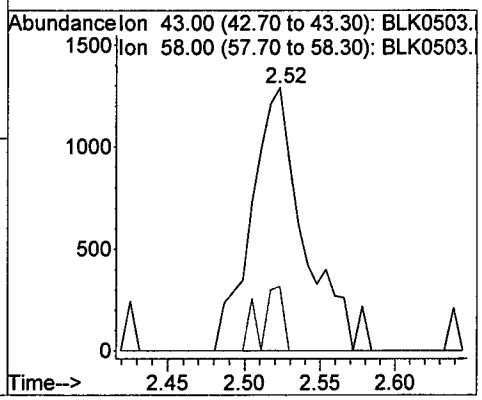
(#) = qualifier out of range (m) = manual integration (+) = signals summed

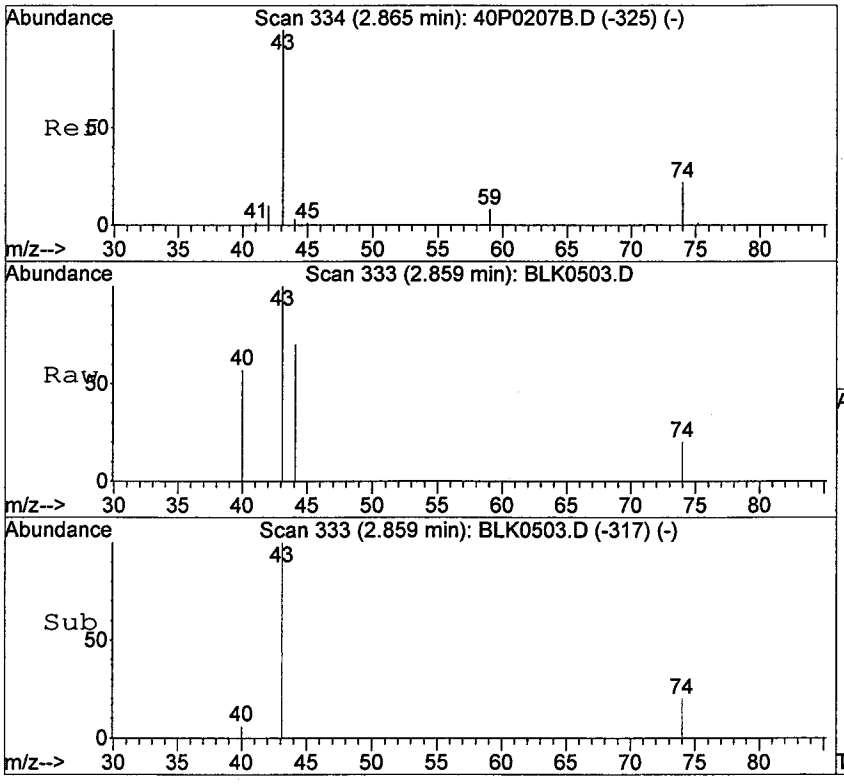


#13
acetone
Concen: 6.03 ug/L
RT: 2.52 min Scan# 278
Delta R.T. 0.01 min
Lab File: BLK0503.D
Acq: 3 May 2012 9:31

Tgt Ion: 43 Resp: 3120

Ion	Ratio	Lower	Upper
43	100		
58	0.0	8.3	48.3#

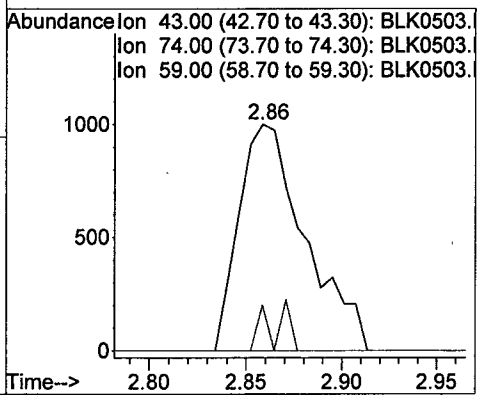


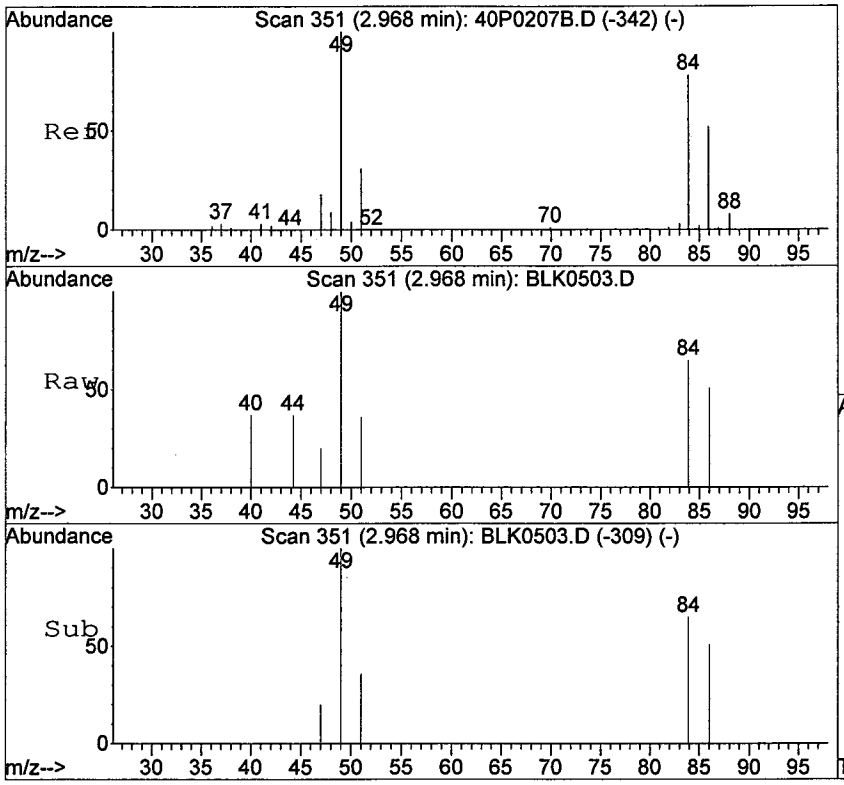


#16
methyl acetate
Concen: 1.03 ug/L
RT: 2.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: BLK0503.D
Acq: 3 May 2012 9:31

Tgt Ion: 43 Resp: 2391

Ion	Ratio	Lower	Upper
43	100		
74	0.0	2.5	42.5#
59	0.0	0.0	28.2

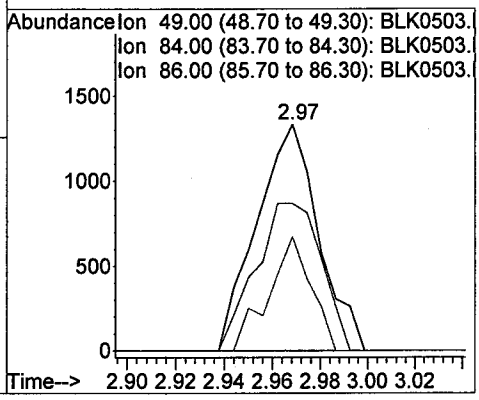




#17
methylene chloride
Concen: 0.49 ug/L
RT: 2.97 min Scan# 351
Delta R.T. 0.01 min
Lab File: BLK0503.D
Acq: 3 May 2012 9:31

Tgt Ion: 49 Resp: 2390

Ion	Ratio	Lower	Upper
49	100		
84	69.4	59.7	99.7
86	0.0	31.1	71.1#



LCS / LCS DUPLICATE RECOVERY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1204318

SDG: KNM040512

Project: KNM

Laboratory ID: 1204318-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 2D06049

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	39.6	99	84 - 119	ug/L
Chlorobenzene	40.0	38.4	96	84 - 118	ug/L
1,1-Dichloroethene	40.0	38.8	97	77 - 123	ug/L
Toluene	40.0	39.7	99	85 - 118	ug/L
Trichloroethene	40.0	39.6	99	82 - 119	ug/L

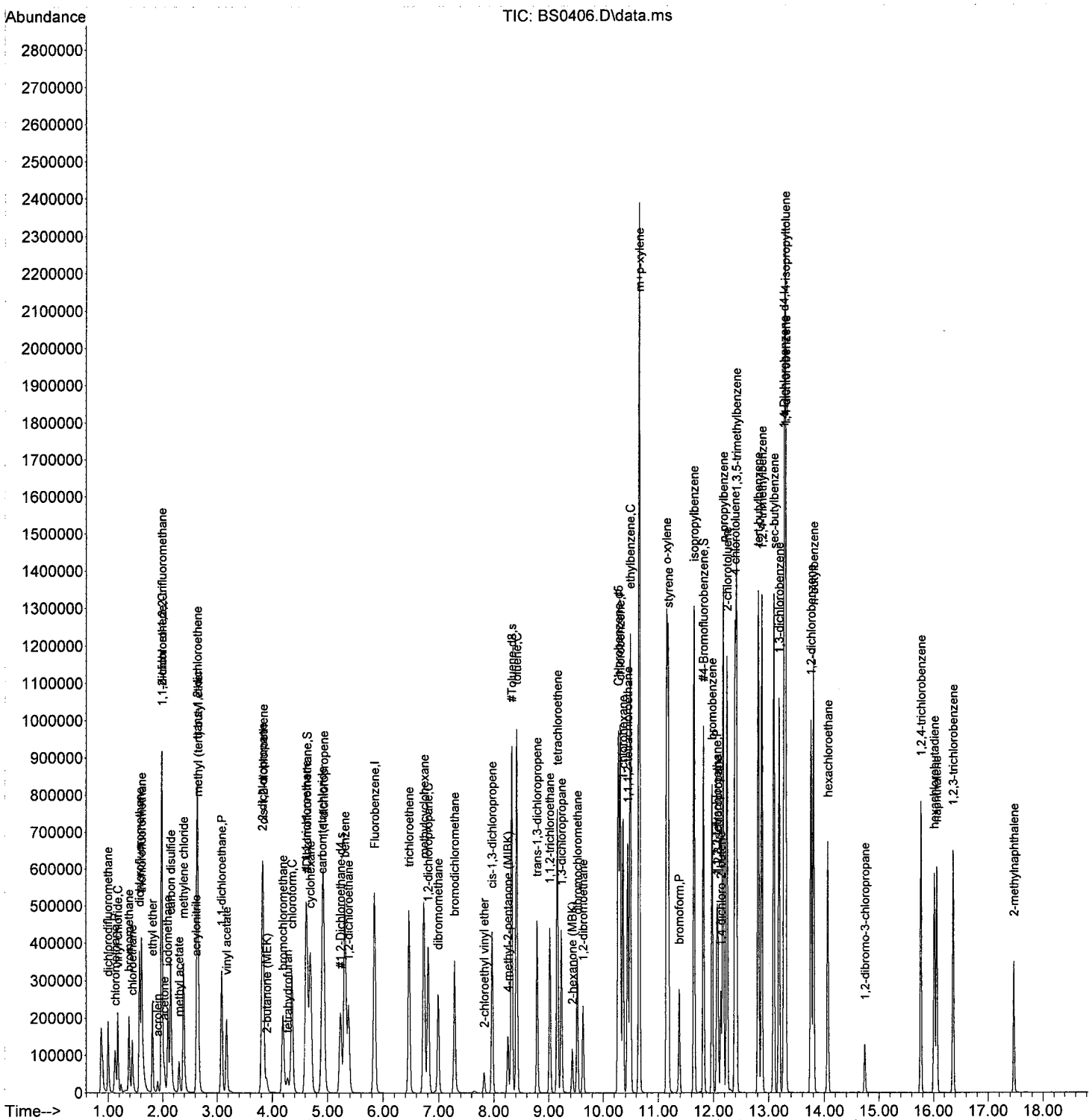
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : BS0406.D
Acq On : 6 Apr 2012 8:38
Operator : DLV
Sample : BS/BSD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 06 09:33:14 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration



00982

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : BS0406.D
Acq On : 6 Apr 2012 8:38
Operator : DLV
Sample : BS/BSD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 06 09:33:14 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.848	96	646969	40.00	ug/L	0.00
51) Chlorobenzene-d5	10.274	117	545544	40.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	13.273	152	358608	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	4.629	111	199404	39.68	ug/L	-0.01
Spiked Amount 40.000			Recovery = 99.20%			
37) #1,2-Dichloroethane-d4	5.232	67	121086	39.54	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.85%			
47) #Toluene-d8	8.323	98	668780	40.11	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.28%			
65) #4-Bromofluorobenzene	11.816	95	300200	39.62	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.05%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.995	85	162687	35.93	ug/L	99
3) chloromethane	1.123	50	144426	38.48	ug/L	99
4) vinyl chloride	1.172	62	175173	39.18	ug/L	99
5) bromomethane	1.379	94	118598	40.54	ug/L	97
6) chloroethane	1.440	64	112118	37.54	ug/L	100
7) dichlorofluoromethane	1.574	67	367285	38.61	ug/L	99
8) trichlorofluoromethane	1.611	101	394330	37.37	ug/L	100
9) ethyl ether	1.812	74	77248	38.91	ug/L	99
10) acrolein	1.904	56	21248	40.60	ug/L #	97
11) 1,1,2-trichloro-1,2,2-...	1.983	101	168208	37.93	ug/L	99
12) 1,1-dichloroethene	1.983	96	170967	38.77	ug/L	99
13) acetone	2.026	43	55211	31.80	ug/L	100
14) iodomethane	2.093	142	258159	41.05	ug/L	100
15) carbon disulfide	2.147	76	508217	39.14	ug/L	100
16) methyl acetate	2.300	43	98571	36.71	ug/L	100
17) methylene chloride	2.385	49	214567	40.74	ug/L	99
18) acrylonitrile	2.617	53	50716	37.78	ug/L	98
19) trans-1,2-dichloroethene	2.635	96	183733	38.07	ug/L	99
20) methyl (tert) butyl ether	2.647	73	448650	39.66	ug/L	100
21) 1,1-dichloroethane	3.080	63	325849	39.02	ug/L	99
22) vinyl acetate	3.172	43	304463	45.21	ug/L	100
23) 2,2-dichloropropane	3.818	77	291824	43.27	ug/L	99
24) cis-1,2-dichloroethene	3.830	96	191647	40.54	ug/L	99
25) 2-butanone (MEK)	3.897	43	57073	37.62	ug/L	99
26) bromochloromethane	4.190	49	128970	38.87	ug/L	100
27) tetrahydrofuran	4.275	71	12981	42.15	ug/L	99
28) chloroform	4.354	83	353710	38.65	ug/L	100
30) 1,1,1-trichloroethane	4.610	97	353350	39.85	ug/L	99
31) cyclohexane	4.690	56	243139	43.03	ug/L	98
32) carbon tetrachloride	4.903	117	339299	39.76	ug/L	99
33) 1,1-dichloropropene	4.927	75	267339	41.41	ug/L	100
34) benzene	5.305	78	659302	39.57	ug/L	100
35) 1,2-dichloroethane	5.372	62	292266	38.13	ug/L	100
36) heptane	5.848	57	22226	No Calib		
38) trichloroethene	6.464	130	208899	39.57	ug/L	99

00983

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\04-06-12\
InstName : 328
Data File : BS0406.D
Acq On : 6 Apr 2012 8:38
Operator : DLV
Sample : BS/BSD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 06 09:33:14 2012
Quant Method : C:\msdchem\1\METHODS\8260B-WB56.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Fri Apr 06 07:23:47 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
39)	methylcyclohexane	6.738	83	260283	44.83 ug/L		99
40)	1,2-dichloropropane	6.811	63	149262	39.58 ug/L		100
41)	dibromomethane	6.988	93	105730	38.36 ug/L		99
42)	1,4-dioxane	0.000		0	N.D.		
43)	bromodichloromethane	7.287	83	262036	40.03 ug/L		99
44)	2-chloroethyl vinyl ether	7.823	63	24337	39.95 ug/L		98
45)	cis-1,3-dichloropropene	7.963	75	256125	43.89 ug/L		99
46)	4-methyl-2-pentanone (...	8.250	43	109107	37.80 ug/L		100
48)	toluene	8.415	91	746381	39.73 ug/L		100
49)	trans-1,3-dichloropropene	8.786	75	256751	38.81 ug/L		99
50)	1,1,2-trichloroethane	9.018	83	111660	39.03 ug/L		99
52)	tetrachloroethene	9.158	166	248122	39.04 ug/L		99
53)	1,3-dichloropropane	9.231	76	252182	40.12 ug/L		100
54)	2-hexanone (MBK)	9.427	43	76543	36.91 ug/L		99
55)	dibromochloromethane	9.524	129	197992	40.95 ug/L		99
56)	1,2-dibromoethane	9.628	109	144856	40.20 ug/L	#	100
57)	chlorobenzene	10.304	112	524169	38.43 ug/L		100
58)	1-chlorohexane	10.353	55	178164	41.29 ug/L		100
59)	1,1,1,2-tetrachloroethane	10.445	131	205518	39.79 ug/L		99
60)	ethylbenzene	10.487	91	917067	40.66 ug/L		100
61)	m+p-xylene	10.652	106	702113	81.47 ug/L		100
62)	o-xylene	11.152	106	337020	42.66 ug/L		99
63)	styrene	11.182	104	587205	42.26 ug/L		100
64)	bromoform	11.377	173	128018	41.00 ug/L		100
67)	isopropylbenzene	11.646	105	858636	43.53 ug/L		100
68)	bromobenzene	11.975	77	341908	39.28 ug/L		100
69)	1,1,2,2-tetrachloroethane	12.060	83	175149	38.74 ug/L	#	99
70)	1,2,3-trichloropropane	12.078	110	67707	38.65 ug/L		99
71)	1,4-dichloro-2-butene	12.133	53	63551	38.67 ug/L		99
72)	n-propylbenzene	12.176	120	256581	42.76 ug/L		100
73)	2-chlorotoluene	12.243	126	225123	40.41 ug/L		96
74)	1,3,5-trimethylbenzene	12.414	105	770530	42.13 ug/L		100
75)	4-chlorotoluene	12.389	91	767229	41.42 ug/L		100
76)	tert-butylbenzene	12.810	119	665370	44.20 ug/L		100
77)	1,2,4-trimethylbenzene	12.877	105	777637	43.02 ug/L		100
78)	sec-butylbenzene	13.090	105	912076	43.85 ug/L		100
79)	1,3-dichlorobenzene	13.182	146	457270	39.93 ug/L		99
80)	4-isopropyltoluene	13.292	119	806479	41.43 ug/L		100
81)	1,4-dichlorobenzene	13.304	146	457234	38.63 ug/L		100
82)	1,2-dichlorobenzene	13.755	146	417939	40.58 ug/L		100
83)	n-butylbenzene	13.804	91	650101	44.84 ug/L		100
84)	hexachloroethane	14.066	201	110769	43.26 ug/L		99
85)	1,2-dibromo-3-chloropr...	14.743	157	37881	42.85 ug/L		99
86)	1,2,4-trichlorobenzene	15.767	180	242306	44.06 ug/L		100
87)	hexachlorobutadiene	16.011	225	122979	40.30 ug/L		100
88)	naphthalene	16.053	128	492087	41.66 ug/L		100
89)	1,2,3-trichlorobenzene	16.358	180	211876	42.62 ug/L		100
90)	2-methylnaphthalene	17.468	142	163176	45.48 ug/L		100

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

LCS / LCS DUPLICATE RECOVERY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

SDG: KNM040512

Project: KNM

Laboratory ID: 1204730-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

QC Batch: 1204730

Sequence: 2D17013

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	40.5	101	84 - 119	ug/L
Chlorobenzene	40.0	40.0	100	84 - 118	ug/L
1,1-Dichloroethene	40.0	40.6	101	77 - 123	ug/L
Toluene	40.0	40.8	102	85 - 118	ug/L
Trichloroethene	40.0	40.5	101	82 - 119	ug/L

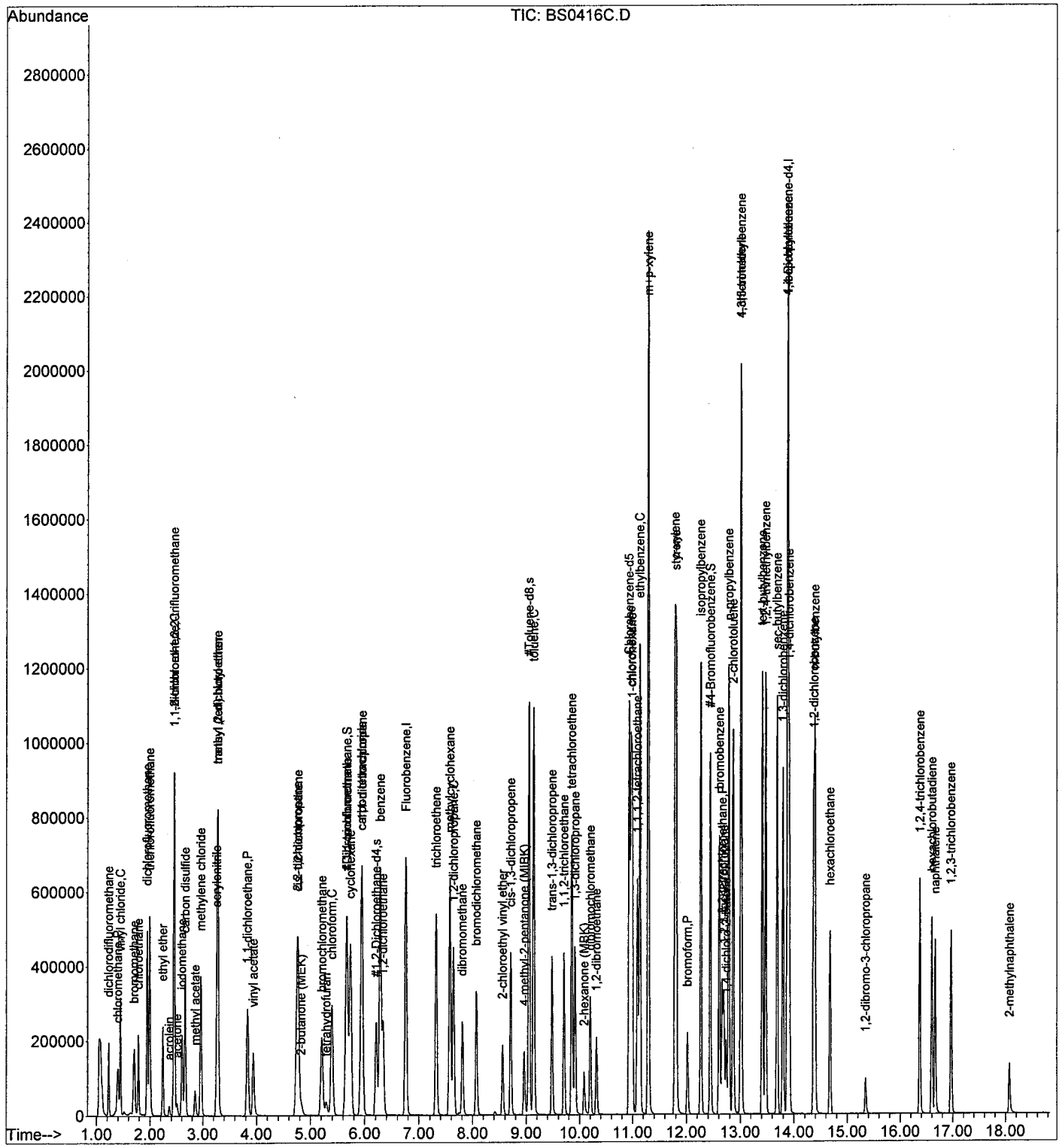
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : BS0416C.D
Acq On : 16 Apr 2012 18:51
Operator : DLV
Sample : BS/BSD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 16 19:10:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration



00986

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : BS0416C.D
Acq On : 16 Apr 2012 18:51
Operator : DLV
Sample : BS/BSD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 16 19:10:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.76	96	778310	40.00	ug/L		0.00 104.40%
51) Chlorobenzene-d5	10.94	117	656771	40.00	ug/L		0.00 103.42%
66) 1,4-Dichlorobenzene-d4	13.89	152	377883	40.00	ug/L		0.00 103.73%
System Monitoring Compounds							
29) #Dibromofluoromethane	5.68	111	204680	39.56	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.90%				
37) #1,2-Dichloroethane-d4	6.22	65	242169	38.81	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.03%				
47) #Toluene-d8	9.06	98	829574	40.28	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.70%				
65) #4-Bromofluorobenzene	12.45	95	333583	39.71	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.28%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.23	85	134746	34.69	ug/L		100
3) chloromethane	1.40	50	187102	38.92	ug/L		100
4) vinyl chloride	1.45	62	222532	39.06	ug/L		100
5) bromomethane	1.71	94	139284	41.58	ug/L		99
6) chloroethane	1.79	64	143385	39.74	ug/L		100
7) dichlorofluoromethane	1.95	67	396052	40.06	ug/L		99
8) trichlorofluoromethane	1.99	101	362435	36.92	ug/L		99
9) ethyl ether	2.24	74	83924	36.59	ug/L		98
10) acrolein	2.36	56	21040	39.14	ug/L	#	94
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	155209	38.22	ug/L		99
12) 1,1-dichloroethene	2.46	96	169058	40.59	ug/L		99
13) acetone	2.51	43	40131	32.43	ug/L		99
14) iodomethane	2.61	142	273201	38.48	ug/L		98
15) carbon disulfide	2.67	76	480446	41.49	ug/L		100
16) methyl acetate	2.86	43	89438	36.53	ug/L		97
17) methylene chloride	2.96	49	230793	38.68	ug/L		99
18) acrylonitrile	3.25	53	51470	39.96	ug/L		98
19) trans-1,2-dichloroethene	3.28	96	185189	40.44	ug/L		99
20) methyl (tert) butyl ether	3.28	73	414708	40.08	ug/L		99
21) 1,1-dichloroethane	3.83	63	335686	41.01	ug/L		99
22) vinyl acetate	3.94	43	308007	38.86	ug/L		100
23) 2,2-dichloropropane	4.75	77	230281	41.52	ug/L		98
24) cis-1,2-dichloroethene	4.77	96	197033	41.10	ug/L		99
25) 2-butanone (MEK)	4.83	43	48843	33.29	ug/L		94
26) bromochloromethane	5.21	49	143652	40.09	ug/L		99
27) tetrahydrofuran	5.30	71	13104	37.34	ug/L		99
28) chloroform	5.39	83	340493	39.26	ug/L		99
30) 1,1,1-trichloroethane	5.66	97	320697	40.65	ug/L		99
31) cyclohexane	5.74	56	292642	40.61	ug/L		100
32) carbon tetrachloride	5.94	117	288229	40.28	ug/L		99
33) 1,1-dichloropropene	5.96	75	283753	41.29	ug/L		99
34) benzene	6.28	78	766662	40.51	ug/L		100
35) 1,2-dichloroethane	6.34	62	270271	38.94	ug/L		100
36) heptane	6.75	57	26091	No Calib		#	

Quantitation Report (Not Edited)

Data Path : C:\MSDCHEM\1\DATA\04-16-12\
InstName : 224
Data File : BS0416C.D
Acq On : 16 Apr 2012 18:51
Operator : DLV
Sample : BS/BSD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 16 19:10:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B20.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 16 16:03:39 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.32	130	225137	40.53 ug/L		99
39) methylcyclohexane	7.58	83	306197	40.61 ug/L		100
40) 1,2-dichloropropane	7.64	63	178594	40.82 ug/L		99
41) dibromomethane	7.81	93	100977	38.87 ug/L		98
42) 1,4-dioxane	0.00	88	0	N.D.		
43) bromodichloromethane	8.07	83	252352	40.02 ug/L		99
44) 2-chloroethyl vinyl ether	8.56	63	83803	42.32 ug/L		98
45) cis-1,3-dichloropropene	8.71	75	263554	42.36 ug/L		99
46) 4-methyl-2-pentanone (MIBK	8.97	43	126414	35.89 ug/L		99
48) toluene	9.14	91	865097	40.80 ug/L		100
49) trans-1,3-dichloropropene	9.49	75	237477	36.47 ug/L		99
50) 1,1,2-trichloroethane	9.71	83	117898	39.47 ug/L		99
52) tetrachloroethene	9.86	166	262998	39.27 ug/L		99
53) 1,3-dichloropropane	9.92	76	271561	39.97 ug/L		99
54) 2-hexanone (MBK)	10.09	43	83678	38.26 ug/L		99
55) dibromochloromethane	10.20	129	180771	41.06 ug/L		100
56) 1,2-dibromoethane	10.32	109	140323	40.32 ug/L		100
57) chlorobenzene	10.97	112	553926	39.95 ug/L		99
58) 1-chlorohexane	11.00	55	192343	40.11 ug/L		98
59) 1,1,1,2-tetrachloroethane	11.09	131	196230	41.70 ug/L		99
60) ethylbenzene	11.14	91	976394	41.43 ug/L		100
61) m+p-xylene	11.30	106	764633	84.37 ug/L		98
62) o-xylene	11.79	106	355913	42.63 ug/L		100
63) styrene	11.81	104	603842	41.99 ug/L		100
64) bromoform	12.02	173	113707	41.24 ug/L		99
67) isopropylbenzene	12.27	105	853488	42.38 ug/L		100
68) bromobenzene	12.61	77	340823	39.52 ug/L		99
69) 1,1,2,2-tetrachloroethane	12.67	83	172305	38.22 ug/L	#	99
70) 1,2,3-trichloropropane	12.70	110	59683	38.33 ug/L	#	70
71) 1,4-dichloro-2-butene	12.74	53	48821	35.40 ug/L		84
72) n-propylbenzene	12.79	120	244154	42.20 ug/L		98
73) 2-chlorotoluene	12.87	126	213489	40.41 ug/L		97
74) 1,3,5-trimethylbenzene	13.02	105	703004	41.57 ug/L		98
75) 4-chlorotoluene	13.01	126	221018	41.18 ug/L		98
76) tert-butylbenzene	13.42	119	614109	42.19 ug/L		99
77) 1,2,4-trimethylbenzene	13.48	105	718069	42.40 ug/L		100
78) sec-butylbenzene	13.69	105	806880	42.21 ug/L		100
79) 1,3-dichlorobenzene	13.80	146	420827	39.81 ug/L		100
80) 4-isopropyltoluene	13.89	119	713699	41.74 ug/L		100
81) 1,4-dichlorobenzene	13.92	146	432714	39.00 ug/L		99
82) 1,2-dichlorobenzene	14.37	146	399580	40.05 ug/L		99
83) n-butylbenzene	14.39	91	537694	38.12 ug/L		99
84) hexachloroethane	14.68	201	87567	36.10 ug/L	#	91
85) 1,2-dibromo-3-chloropropan	15.35	157	32469	36.11 ug/L		98
86) 1,2,4-trichlorobenzene	16.37	180	234288	42.20 ug/L		100
87) hexachlorobutadiene	16.61	225	126408	42.04 ug/L		98
88) naphthalene	16.67	128	419648	37.54 ug/L		99
89) 1,2,3-trichlorobenzene	16.97	180	180099	41.08 ug/L		99
90) 2-methylnaphthalene	18.08	142	80398	37.00 ug/L		97

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

00988

LCS / LCS DUPLICATE RECOVERY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205092

SDG: KNM040512

Project: KNM

Laboratory ID: 1205092-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 2D24048

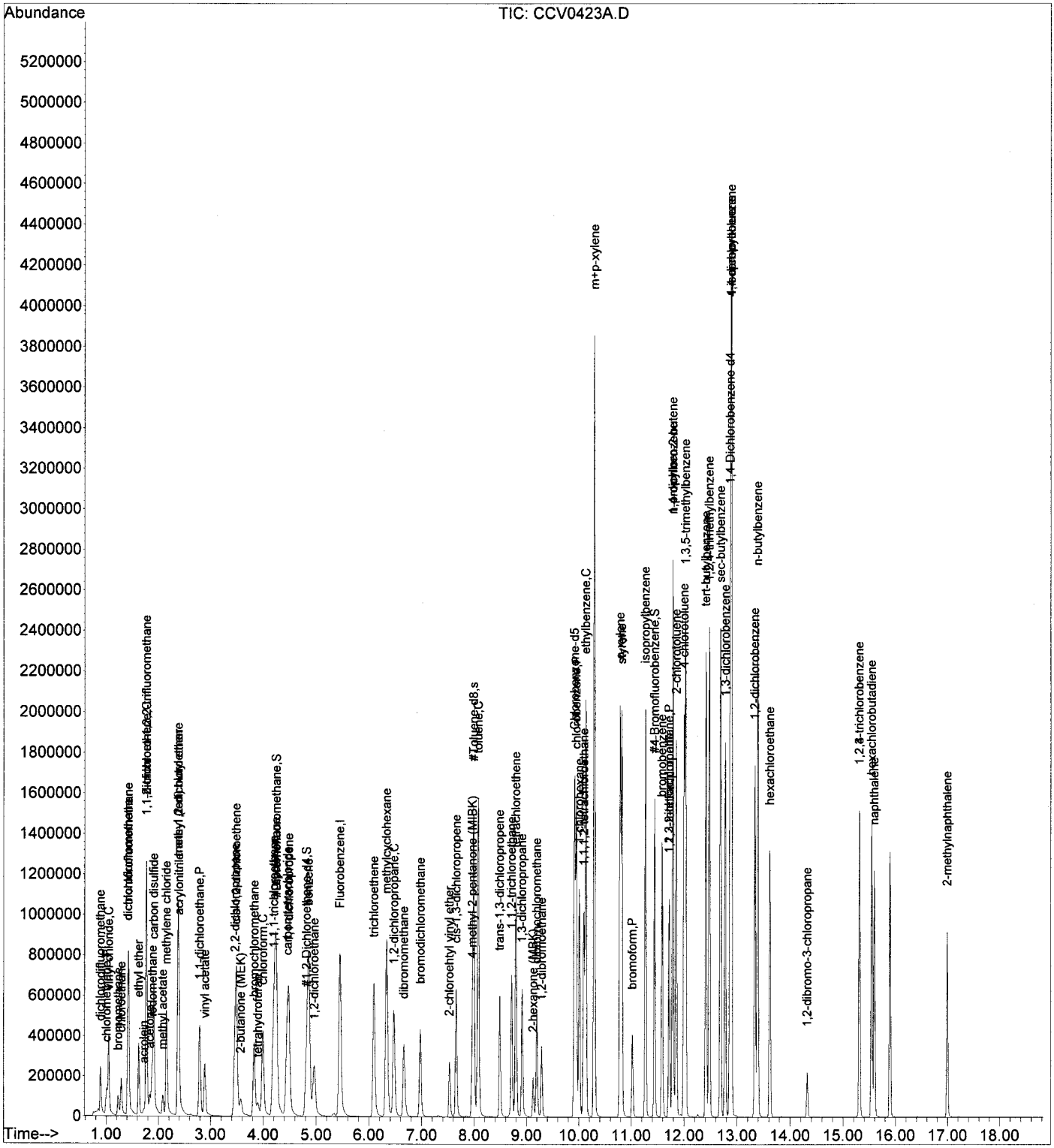
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	39.5	99	84 - 119	ug/L
Chlorobenzene	40.0	39.2	98	84 - 118	ug/L
1,1-Dichloroethene	40.0	39.3	98	77 - 123	ug/L
Toluene	40.0	39.2	98	85 - 118	ug/L
Trichloroethene	40.0	39.5	99	82 - 119	ug/L

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

* Values outside of QC limits

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : CCV0423A.D
InstName : 323
Acq On : 23 Apr 2012 9:53 am
Operator : LEW
Sample : CCV0423A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 24 08:01:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration



00990

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : CCV0423A.D
InstName : 323
Acq On : 23 Apr 2012 9:53 am
Operator : LEW
Sample : CCV0423A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 24 08:01:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.45	96	1346324	40.00	ug/L		0.00 98.16%
50) Chlorobenzene-d5	9.92	117	1084425	40.00	ug/L		0.00 98.91%
65) 1,4-Dichlorobenzene-d4	12.86	152	688854	40.00	ug/L		0.00 98.35%
System Monitoring Compounds							
30) #Dibromofluoromethane	4.25	111	323402	39.00	ug/L		0.00
Spiked Amount 40.000			Recovery =	97.50%			
37) #1,2-Dichloroethane-d4	4.82	67	174491	39.84	ug/L		0.00
Spiked Amount 40.000			Recovery =	99.60%			
46) #Toluene-d8	7.99	98	1308211	40.12	ug/L		0.00
Spiked Amount 40.000			Recovery =	100.30%			
64) #4-Bromofluorobenzene	11.44	95	538606	39.83	ug/L		0.00
Spiked Amount 40.000			Recovery =	99.57%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.89	85	244168	30.12	ug/L		98
3) chloromethane	1.01	50	280186	37.83	ug/L		98
4) vinyl chloride	1.05	62	349182	38.14	ug/L		97
5) bromomethane	1.23	94	91304	48.90	ug/L		94
6) chloroethane	1.29	64	164898	36.42	ug/L		97
7) dichlorofluoromethane	1.41	67	534844	39.05	ug/L		100
8) trichlorofluoromethane	1.43	101	433166	36.43	ug/L		99
9) ethyl ether	1.62	74	168739	39.88	ug/L		91
10) acrolein	1.72	56	26011	41.14	ug/L	#	96
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	292964	38.96	ug/L		94
12) 1,1-dichloroethene	1.77	96	279060	39.29	ug/L	#	80
13) acetone	1.84	43	93794	38.58	ug/L		73
14) iodomethane	1.88	142	363880	42.56	ug/L		90
15) carbon disulfide	1.91	76	900064	38.02	ug/L		100
16) methyl acetate	2.08	43	130128	44.42	ug/L		93
17) methylene chloride	2.16	49	309404	44.27	ug/L		89
18) acrylonitrile	2.40	53	88231	39.29	ug/L		94
19) trans-1,2-dichloroethene	2.38	96	328172	37.62	ug/L		90
20) methyl (tert) butyl ether	2.39	73	602931	40.07	ug/L		96
21) 1,1-dichloroethane	2.79	63	540493	39.60	ug/L		99
22) vinyl acetate	2.89	43	468057	47.34	ug/L		98
23) 2,2-dichloropropane	3.46	77	355741	45.10	ug/L		91
24) cis-1,2-dichloroethene	3.49	96	376814	40.43	ug/L		91
25) 2-butanone (MEK)	3.58	43	114032	36.98	ug/L		97
26) bromochloromethane	3.83	49	231714	39.36	ug/L	#	83
27) tetrahydrofuran	3.90	71	25678	40.62	ug/L	#	88
28) chloroform	3.99	83	537687	38.78	ug/L		99
29) 1,1,1-trichloroethane	4.19	97	446298	39.81	ug/L		95
31) cyclohexane	4.23	56	528380	40.24	ug/L		91
32) carbon tetrachloride	4.45	117	428427	39.76	ug/L		100
33) 1,1-dichloropropene	4.49	75	434718	40.80	ug/L		98
34) benzene	4.86	78	1337604	39.54	ug/L		91
35) 1,2-dichloroethane	4.97	62	344226	39.20	ug/L		88
36) heptane	4.23	57	23178	No Calib		#	

00991

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : CCV0423A.D
InstName : 323
Acq On : 23 Apr 2012 9:53 am
Operator : LEW
Sample : CCV0423A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 24 08:01:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	370666	39.50	ug/L		99
39) methylcyclohexane	6.34	83	599496	41.21	ug/L		98
40) 1,2-dichloropropane	6.47	63	296304	40.20	ug/L		96
41) dibromomethane	6.66	93	171871	40.03	ug/L		95
42) bromodichloromethane	6.98	83	388567	40.03	ug/L		98
43) 2-chloroehtyl vinyl ether	7.53	63	143144	38.96	ug/L		98
44) cis-1,3-dichloropropene	7.66	75	472991	39.70	ug/L		87
45) 4-methyl-2-pentanone (MIBK	7.96	43	163669	40.74	ug/L	#	93
47) toluene	8.08	91	1439671	39.25	ug/L		98
48) trans-1,3-dichloropropene	8.49	75	366347	39.39	ug/L		92
49) 1,1,2-trichloroethane	8.72	83	215770	40.48	ug/L		96
51) tetrachloroethene	8.80	166	414745	39.28	ug/L		99
52) 1,3-dichloropropane	8.92	76	467635	41.31	ug/L		99
53) 2-hexanone (MBK)	9.13	43	138776	35.24	ug/L		94
54) dibromochloromethane	9.20	129	316571	41.75	ug/L		98
55) 1,2-dibromoethane	9.29	109	250056	41.84	ug/L		98
56) chlorobenzene	9.95	112	1001050	39.15	ug/L		96
57) 1-chlorohexane	10.02	55	286962	39.81	ug/L		95
58) 1,1,1,2-tetrachloroethane	10.10	131	334746	41.27	ug/L		95
59) ethylbenzene	10.13	91	1613618	40.64	ug/L		96
60) m+p-xylene	10.30	106	1347281	83.69	ug/L	#	85
61) o-xylene	10.78	106	650177	42.66	ug/L	#	85
62) styrene	10.82	104	1108243	42.48	ug/L		84
63) bromoform	11.03	173	216917	42.28	ug/L		98
66) isopropylbenzene	11.27	105	1451166	42.50	ug/L		97
67) bromobenzene	11.58	77	607741	39.56	ug/L		96
68) 1,1,2,2-tetrachloroethane	11.72	83	332240	40.83	ug/L	#	98
69) 1,2,3-trichloropropane	11.73	110	102273	41.26	ug/L		94
70) 1,4-dichloro-2-butene	11.78	53	91615	45.30	ug/L	#	81
71) n-propylbenzene	11.79	120	499552	41.37	ug/L		99
72) 2-chlorotoluene	11.85	126	426241	39.55	ug/L		91
73) 1,3,5-trimethylbenzene	12.03	105	1444260	41.52	ug/L		90
74) 4-chlorotoluene	12.00	91	1328680	40.82	ug/L		96
75) tert-butylbenzene	12.41	119	1271218	42.11	ug/L		94
76) 1,2,4-trimethylbenzene	12.48	105	1442151	41.96	ug/L		91
77) sec-butylbenzene	12.69	105	1879186	41.71	ug/L		99
78) 1,3-dichlorobenzene	12.78	146	882196	39.67	ug/L		98
79) 4-isopropyltoluene	12.89	119	1583804	41.93	ug/L		95
80) 1,4-dichlorobenzene	12.89	146	888963	39.38	ug/L		98
81) 1,2-dichlorobenzene	13.33	146	810900	40.83	ug/L		99
82) n-butylbenzene	13.39	91	1458210	42.73	ug/L		98
83) hexachloroethane	13.62	201	264918	40.87	ug/L		96
84) 1,2-dibromo-3-chloropropan	14.32	157	75580	38.37	ug/L		94
85) 1,2,4-trichlorobenzene	15.31	180	553666	43.36	ug/L		98
86) hexachlorobutadiene	15.54	225	327666	40.44	ug/L		98
87) naphthalene	15.60	128	1043023	40.12	ug/L		95
88) 1,2,3-trichlorobenzene	15.31	180	553666	43.36	ug/L		98
89) 2-methylnaphthalene	16.99	142	482769	40.70	ug/L		94

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

00992

LCS / LCS DUPLICATE RECOVERY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

SDG: KNM040512

Project: KNM

Laboratory ID: 1205092-BSD1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

QC Batch: 1205092

Sequence: 2D24048

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Benzene	40.0	40.0	100	1	20	84 - 119	ug/L
Chlorobenzene	40.0	39.7	99	1	20	84 - 118	ug/L
1,1-Dichloroethene	40.0	40.2	101	2	20	77 - 123	ug/L
Toluene	40.0	40.2	100	2	20	85 - 118	ug/L
Trichloroethene	40.0	40.7	102	3	20	82 - 119	ug/L

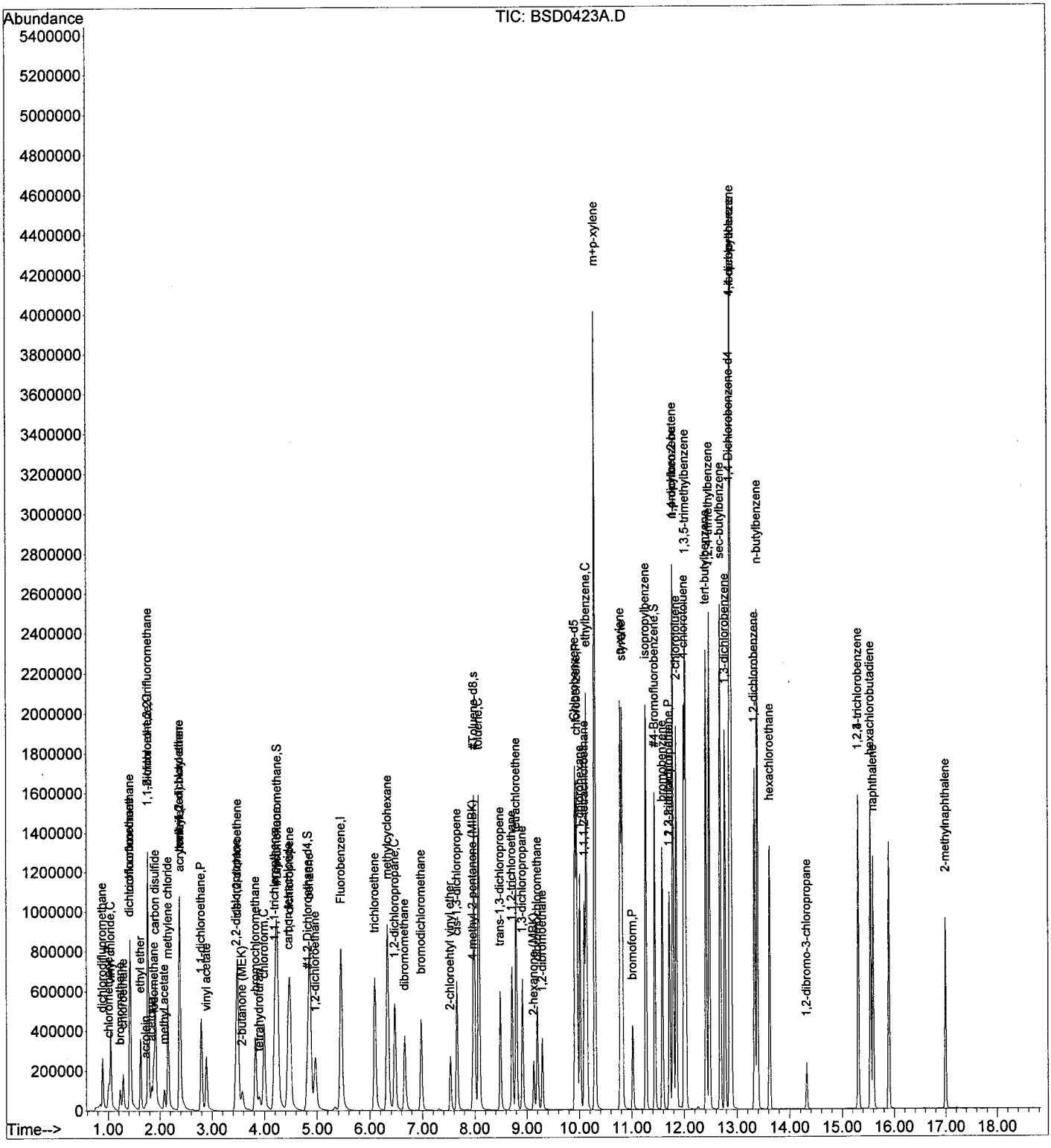
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : BSD0423A.D
InstName : 323
Acq On : 23 Apr 2012 10:20 am
Operator : LEW
Sample : BSD0423A
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 14:45:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration



Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : BSD0423A.D
InstName : 323
Acq On : 23 Apr 2012 10:20 am
Operator : LEW
Sample : BSD0423A
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 14:45:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.46	96	1344254	40.00	ug/L	0.00 98.01%
50) Chlorobenzene-d5	9.92	117	1090043	40.00	ug/L	0.00 99.42%
65) 1,4-Dichlorobenzene-d4	12.86	152	697261	40.00	ug/L	0.00 99.55%
System Monitoring Compounds						
30) #Dibromofluoromethane	4.25	111	322333	38.93	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.32%			
37) #1,2-Dichloroethane-d4	4.82	67	176872	40.45	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.13%			
46) #Toluene-d8	7.99	98	1318198	40.49	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.23%			
64) #4-Bromofluorobenzene	11.44	95	544411	40.05	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.13%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.89	85	267368	33.03	ug/L	100
3) chloromethane	1.01	50	285349	38.59	ug/L	98
4) vinyl chloride	1.05	62	361682	39.56	ug/L	97
5) bromomethane	1.23	94	97394	52.25	ug/L	98
6) chloroethane	1.29	64	166793	36.89	ug/L	97
7) dichlorofluoromethane	1.41	67	542678	39.68	ug/L	99
8) trichlorofluoromethane	1.43	101	454880	38.31	ug/L	97
9) ethyl ether	1.62	74	181289	42.91	ug/L	85
10) acrolein	1.72	56	27507	43.58	ug/L #	88
11) 1,1,2-trichloro-1,2,2-trif	1.77	101	310735	41.38	ug/L	94
12) 1,1-dichloroethene	1.77	96	285158	40.21	ug/L #	82
13) acetone	1.84	43	111032	46.43	ug/L	71
14) iodomethane	1.88	142	370306	43.30	ug/L	91
15) carbon disulfide	1.91	76	928962	39.30	ug/L	100
16) methyl acetate	2.08	43	133724	45.75	ug/L	94
17) methylene chloride	2.16	49	313387	44.95	ug/L	88
18) acrylonitrile	2.39	53	87750	39.14	ug/L	94
19) trans-1,2-dichloroethene	2.38	96	335256	38.49	ug/L	90
20) methyl (tert) butyl ether	2.39	73	618764	41.19	ug/L	96
21) 1,1-dichloroethane	2.79	63	548149	40.22	ug/L	99
22) vinyl acetate	2.89	43	482942	48.92	ug/L	99
23) 2,2-dichloropropane	3.46	77	369024	46.85	ug/L	91
24) cis-1,2-dichloroethene	3.49	96	379228	40.75	ug/L	92
25) 2-butanone (MEK)	3.58	43	131770	42.79	ug/L	95
26) bromochloromethane	3.83	49	233332	39.70	ug/L	84
27) tetrahydrofuran	3.90	71	26228	41.51	ug/L	90
28) chloroform	3.99	83	544530	39.34	ug/L	100
29) 1,1,1-trichloroethane	4.19	97	458724	40.98	ug/L	95
31) cyclohexane	4.23	56	556675	42.46	ug/L	92
32) carbon tetrachloride	4.45	117	441031	40.99	ug/L	99
33) 1,1-dichloropropene	4.49	75	448116	42.13	ug/L	98
34) benzene	4.86	78	1349946	39.97	ug/L	91
35) 1,2-dichloroethane	4.97	62	354950	40.49	ug/L	88
36) heptane	4.23	57	24928	No Calib	#	

00995

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\04-23-12\
Data File : BSD0423A.D
InstName : 323
Acq On : 23 Apr 2012 10:20 am
Operator : LEW
Sample : BSD0423A
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 14:45:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-A159.M
Quant Title : VOLATILE GC/MS BY EPA 8260B/624/524.2
QLast Update : Thu Apr 19 14:50:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
38) trichloroethene	6.10	130	381751	40.74 ug/L		99
39) methylcyclohexane	6.34	83	640736	44.11 ug/L		97
40) 1,2-dichloropropane	6.47	63	300312	40.80 ug/L		96
41) dibromomethane	6.66	93	174507	40.70 ug/L		94
42) bromodichloromethane	6.98	83	395609	40.82 ug/L		98
43) 2-chloroehtyl vinyl ether	7.53	63	146682	39.91 ug/L		98
44) cis-1,3-dichloropropene	7.66	75	478960	40.23 ug/L		87
45) 4-methyl-2-pentanone (MIBK	7.96	43	175134	43.66 ug/L	#	93
47) toluene	8.08	91	1471755	40.19 ug/L		98
48) trans-1,3-dichloropropene	8.49	75	373701	40.18 ug/L		92
49) 1,1,2-trichloroethane	8.72	83	220855	41.50 ug/L		97
51) tetrachloroethene	8.80	166	432132	40.72 ug/L		98
52) 1,3-dichloropropane	8.92	76	472212	41.50 ug/L		99
53) 2-hexanone (MBK)	9.13	43	173523	43.20 ug/L		94
54) dibromochloromethane	9.20	129	322559	42.32 ug/L		98
55) 1,2-dibromoethane	9.29	109	255975	42.61 ug/L		99
56) chlorobenzene	9.95	112	1020377	39.70 ug/L		96
57) 1-chlorohexane	10.02	55	300212	41.43 ug/L		95
58) 1,1,1,2-tetrachloroethane	10.10	131	338083	41.46 ug/L		95
59) ethylbenzene	10.13	91	1652700	41.41 ug/L		96
60) m+p-xylene	10.30	106	1376517	85.07 ug/L	#	85
61) o-xylene	10.78	106	664512	43.38 ug/L	#	85
62) styrene	10.82	104	1133896	43.24 ug/L		85
63) bromoform	11.02	173	222635	43.17 ug/L		99
66) isopropylbenzene	11.27	105	1495664	43.27 ug/L		97
67) bromobenzene	11.58	77	617541	39.71 ug/L		96
68) 1,1,2,2-tetrachloroethane	11.72	83	338991	41.15 ug/L	#	99
69) 1,2,3-trichloropropane	11.73	110	105293	41.96 ug/L		94
70) 1,4-dichloro-2-butene	11.79	53	93873	45.86 ug/L	#	81
71) n-propylbenzene	11.79	120	516860	42.28 ug/L		98
72) 2-chlorotoluene	11.85	126	435784	39.95 ug/L		92
73) 1,3,5-trimethylbenzene	12.03	105	1472207	41.82 ug/L		90
74) 4-chlorotoluene	12.00	91	1348564	40.93 ug/L		96
75) tert-butylbenzene	12.41	119	1311432	42.92 ug/L		95
76) 1,2,4-trimethylbenzene	12.48	105	1481993	42.59 ug/L		92
77) sec-butylbenzene	12.69	105	1946640	42.69 ug/L		99
78) 1,3-dichlorobenzene	12.78	146	903695	40.15 ug/L		98
79) 4-isopropyltoluene	12.89	119	1636282	42.79 ug/L		95
80) 1,4-dichlorobenzene	12.89	146	908465	39.76 ug/L		98
81) 1,2-dichlorobenzene	13.33	146	826026	41.09 ug/L		99
82) n-butylbenzene	13.39	91	1511336	43.75 ug/L		98
83) hexachloroethane	13.62	201	271963	41.45 ug/L		96
84) 1,2-dibromo-3-chloropropan	14.32	157	77322	38.75 ug/L		94
85) 1,2,4-trichlorobenzene	15.31	180	572170	44.27 ug/L		98
86) hexachlorobutadiene	15.54	225	340949	41.58 ug/L		99
87) naphthalene	15.60	128	1083559	41.10 ug/L		95
88) 1,2,3-trichlorobenzene	15.31	180	572170	44.27 ug/L		98
89) 2-methylnaphthalene	16.99	142	506396	42.02 ug/L		95

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

LCS / LCS DUPLICATE RECOVERY

USEPA-8260B

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205579

SDG: KNM040512

Project: KNM

Laboratory ID: 1205579-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 2E04020

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Benzene	40.0	44.1	110	84 - 119	ug/L
Chlorobenzene	40.0	43.1	108	84 - 118	ug/L
1,1-Dichloroethene	40.0	45.0	112	77 - 123	ug/L
Toluene	40.0	43.5	109	85 - 118	ug/L
Trichloroethene	40.0	43.0	107	82 - 119	ug/L

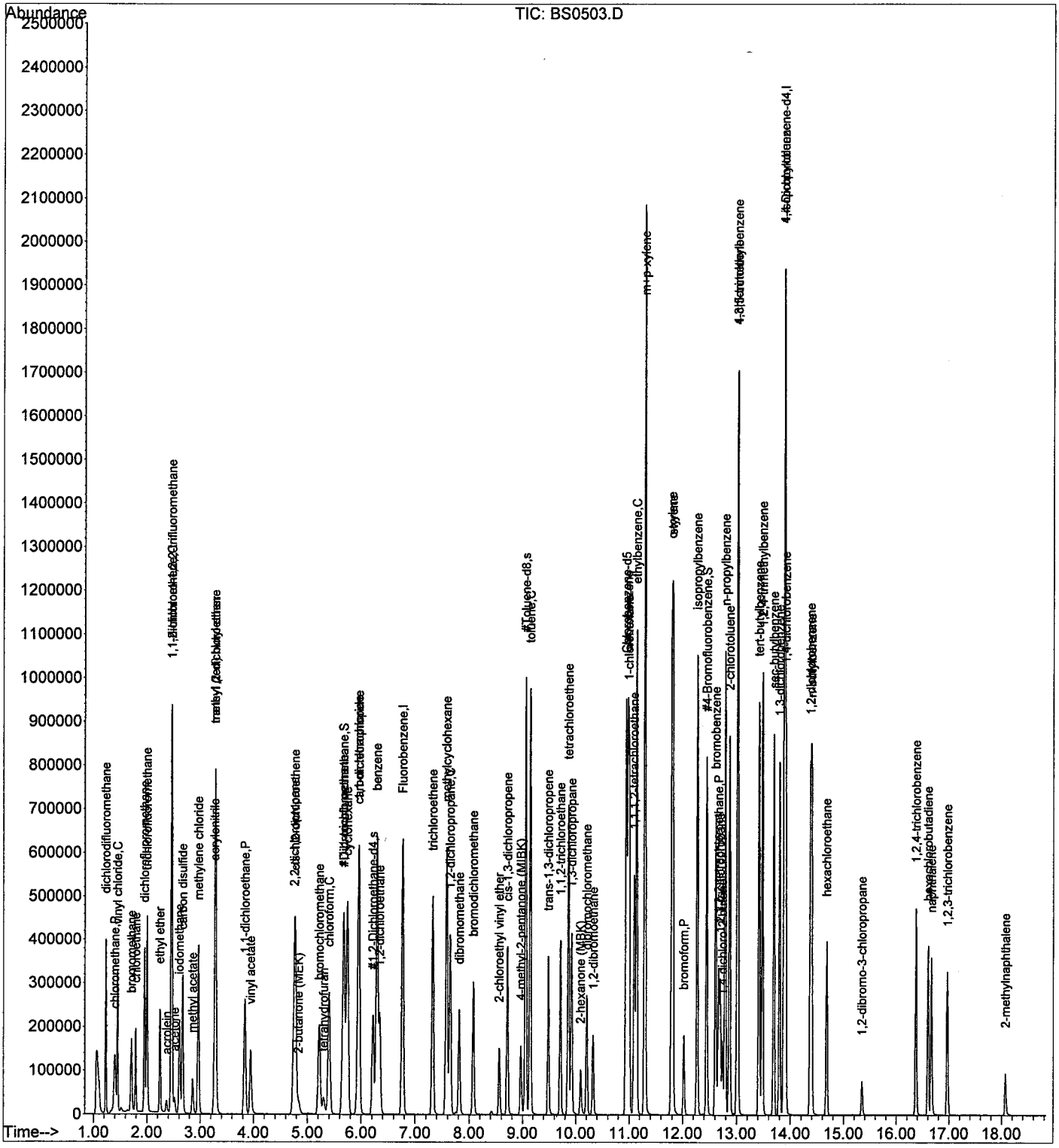
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : BS0503.D
Acq On : 3 May 2012 8:36
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 03 08:55:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration



00998

Quantitation Report (Not Edited)

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : BS0503.D
Acq On : 3 May 2012 8:36
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 03 08:55:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.77	96	703338	40.00	ug/L	0.00 78.92%
51) Chlorobenzene-d5	10.94	117	550271	40.00	ug/L	0.00 78.99%
66) 1,4-Dichlorobenzene-d4	13.89	152	301423	40.00	ug/L	0.00 76.19%
System Monitoring Compounds						
29) #Dibromofluoromethane	5.68	111	173101	40.74	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.85%		
37) #1,2-Dichloroethane-d4	6.22	65	207038	42.21	ug/L	0.00
Spiked Amount 40.000			Recovery =	105.53%		
47) #Toluene-d8	9.06	98	715520	41.21	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.03%		
65) #4-Bromofluorobenzene	12.45	95	265600	39.67	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.17%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.23	85	230314	45.08	ug/L	99
3) chloromethane	1.40	50	202192	42.69	ug/L	99
4) vinyl chloride	1.45	62	215589	41.40	ug/L	99
5) bromomethane	1.71	94	113289	37.11	ug/L	100
6) chloroethane	1.79	64	130012	39.73	ug/L	99
7) dichlorofluoromethane	1.96	67	292195	42.11	ug/L	100
8) trichlorofluoromethane	2.00	101	284165	42.66	ug/L	100
9) ethyl ether	2.24	74	84644	43.06	ug/L	95
10) acrolein	2.37	56	21187	46.42	ug/L #	98
11) 1,1,2-trichloro-1,2,2-trif	2.46	101	171639	45.70	ug/L	99
12) 1,1-dichloroethene	2.46	96	168286	45.00	ug/L	94
13) acetone	2.52	43	44317	50.26	ug/L	97
14) iodomethane	2.61	142	256417	43.31	ug/L	99
15) carbon disulfide	2.67	76	387456	44.10	ug/L	99
16) methyl acetate	2.86	43	105589	45.33	ug/L	98
17) methylene chloride	2.97	49	228207	46.16	ug/L	95
18) acrylonitrile	3.26	53	52381	49.68	ug/L	98
19) trans-1,2-dichloroethene	3.28	96	173594	43.96	ug/L	95
20) methyl (tert) butyl ether	3.29	73	405017	40.39	ug/L	99
21) 1,1-dichloroethane	3.84	63	305767	44.30	ug/L	99
22) vinyl acetate	3.94	43	266711	40.73	ug/L	96
23) 2,2-dichloropropane	4.75	77	175804	31.17	ug/L	99
24) cis-1,2-dichloroethene	4.78	96	185832	43.48	ug/L	98
25) 2-butanone (MEK)	4.84	43	47621	41.77	ug/L	94
26) bromochloromethane	5.21	49	141221	46.86	ug/L	93
27) tetrahydrofuran	5.30	71	13121	42.91	ug/L	84
28) chloroform	5.40	83	303231	44.54	ug/L	100
30) 1,1,1-trichloroethane	5.66	97	267689	41.11	ug/L	96
31) cyclohexane	5.74	56	314163	45.52	ug/L	96
32) carbon tetrachloride	5.94	117	236922	43.23	ug/L	99
33) 1,1-dichloropropene	5.96	75	254092	45.13	ug/L	98
34) benzene	6.29	78	711227	44.14	ug/L	98
35) 1,2-dichloroethane	6.34	62	239076	45.24	ug/L	99
36) heptane	6.77	57	23799	No Calib	#	

Data Path : C:\MSDChem\1\DATA\05-03-12\
InstName : 224
Data File : BS0503.D
Acq On : 3 May 2012 8:36
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 03 08:55:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\8260B-B23.M
Quant Title : 8260B/624/524.2 : 5030 wtr : 5035a soil
QLast Update : Mon Apr 30 13:28:41 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
38) trichloroethene	7.33	130	205246	42.98	ug/L		99
39) methylcyclohexane	7.58	83	290636	43.07	ug/L		97
40) 1,2-dichloropropane	7.64	63	162995	43.70	ug/L		100
41) dibromomethane	7.81	93	91505	45.00	ug/L		98
42) 1,4-dioxane	0.00	88	0	N.D.			
43) bromodichloromethane	8.08	83	215444	45.47	ug/L		100
44) 2-chloroethyl vinyl ether	8.56	63	67156	44.36	ug/L		98
45) cis-1,3-dichloropropene	8.72	75	221476	40.70	ug/L		99
46) 4-methyl-2-pentanone (MIBK	8.97	43	121985	45.97	ug/L		96
48) toluene	9.15	91	781844	43.54	ug/L		98
49) trans-1,3-dichloropropene	9.49	75	188244	38.09	ug/L		98
50) 1,1,2-trichloroethane	9.72	83	107888	45.14	ug/L		99
52) tetrachloroethene	9.86	166	239478	42.68	ug/L		99
53) 1,3-dichloropropane	9.92	76	243497	45.46	ug/L		99
54) 2-hexanone (MBK)	10.09	43	81807	46.18	ug/L		95
55) dibromochloromethane	10.20	129	152062	39.96	ug/L		100
56) 1,2-dibromoethane	10.33	109	127433	44.95	ug/L		99
57) chlorobenzene	10.98	112	496731	43.10	ug/L		98
58) 1-chlorohexane	11.00	55	173216	45.43	ug/L		86
59) 1,1,1,2-tetrachloroethane	11.10	131	162126	43.84	ug/L		99
60) ethylbenzene	11.14	91	854188	43.77	ug/L		98
61) m+p-xylene	11.30	106	666259	84.54	ug/L		96
62) o-xylene	11.80	106	312931	42.26	ug/L		95
63) styrene	11.81	104	548093	43.20	ug/L		97
64) bromoform	12.02	173	92641	37.15	ug/L		99
67) isopropylbenzene	12.27	105	719990	42.95	ug/L		99
68) bromobenzene	12.61	77	301579	44.92	ug/L		95
69) 1,1,2,2-tetrachloroethane	12.67	83	157370	48.41	ug/L	#	100
70) 1,2,3-trichloropropane	12.70	110	54527	47.74	ug/L	#	74
71) 1,4-dichloro-2-butene	12.74	53	42751	41.53	ug/L	#	72
72) n-propylbenzene	12.79	120	207831	42.29	ug/L	#	91
73) 2-chlorotoluene	12.87	126	186944	43.15	ug/L		97
74) 1,3,5-trimethylbenzene	13.02	105	593331	43.28	ug/L		97
75) 4-chlorotoluene	13.02	126	192987	43.12	ug/L		95
76) tert-butylbenzene	13.42	119	498033	41.49	ug/L		98
77) 1,2,4-trimethylbenzene	13.48	105	599897	43.24	ug/L		98
78) sec-butylbenzene	13.70	105	654123	41.74	ug/L		99
79) 1,3-dichlorobenzene	13.80	146	366793	42.27	ug/L		99
80) 4-isopropyltoluene	13.89	119	574694	41.62	ug/L		99
81) 1,4-dichlorobenzene	13.92	146	381438	42.67	ug/L		99
82) 1,2-dichlorobenzene	14.37	146	348403	43.15	ug/L		100
83) n-butylbenzene	14.40	91	439238	43.33	ug/L		98
84) hexachloroethane	14.68	201	60776	32.20	ug/L	#	79
85) 1,2-dibromo-3-chloropropan	15.35	157	25113	39.30	ug/L		98
86) 1,2,4-trichlorobenzene	16.37	180	177635	40.00	ug/L		99
87) hexachlorobutadiene	16.61	225	89834	39.83	ug/L		99
88) naphthalene	16.67	128	326700	43.49	ug/L		99
89) 1,2,3-trichlorobenzene	16.97	180	123378	38.83	ug/L		100
90) 2-methylnaphthalene	18.07	142	57368	32.87	ug/L		98

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

01000

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
2040176	8260 Working Standard B 04-4-12	MeOH-G50E19	NA

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1204089	8260B TCL OLM 4.3 VOAs	1204091	8260B TCL OLM 4.3 VOAs	1204093	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*
1204318-BLK1		Apr-06-12 07:00	DLV	5	5	1				BLANK	
1204318-BS1		Apr-06-12 07:00	DLV	5	5	1		2040176	2	LCS	
1204318-MS1		Apr-06-12 07:00	DLV	5	5	1	1204093-02	2040176	2	MATRIX SPIKE	
1204318-MSD1		Apr-06-12 07:00	DLV	5	5	1	1204093-02	2040176	2	MATRIX SPIKE DUP	
1204089-01	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204089-02	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204089-03	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204089-04	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204089-05	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204089-06	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204091-01	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	
1204093-01	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204093-02	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204093-03	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204093-04	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204093-05	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204093-06	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204093-07	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush
1204093-08	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush

Comments:

Analyst Initials:

01001

Volatiles MS, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 2010284 (Static)

Batch Comments: (none)

201052

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*
1204093-09	A	Apr-06-12 07:00	DLV	5	5	1				TechLaw	some are 48-Hr rush

Comments:	Analyst Initials:

Volatiles MS, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 2010284 (Static)

Batch Comments: (none)

01953

Standard	Description	Solvent	LotNum
2010284	8260B Static Surrogate 01-10-12	MeOH H45E36	CD-1263
2040434	8260 Working Standard B 04-09-1	MeOH-G50E19	NA

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1204122	8260B TCL OLM 4.3 VOAs	1204122	8260B Standard VOAs	1204122	8260B MDEQ+ VOAs
1204205	8260B TCL OLM 4.3 VOAs	1204239	8260B Standard VOAs	1204249	8260B MDEQ+ 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*
1204730-BLK1		Apr-16-12 17:00	DLV	5	5	1				BLANK	
1204730-BS1		Apr-16-12 17:00	DLV	5	5	1		2040434	2	LCS	
1204730-MS1		Apr-16-12 17:00	DLV	5	5	1	1204122-06	2040434	2	MATRIX SPIKE	
1204730-MSD1		Apr-16-12 17:00	DLV	5	5	1	1204122-06	2040434	2	MATRIX SPIKE DUP	
1204122-01	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204122-02	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204122-03	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204122-04	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204122-05	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204122-06	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204122-07	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204122-08	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204122-09	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204122-10	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204205-01	A	Apr-16-12 17:00	DLV	5	5	1				TechLaw	
1204205-02	A	Apr-16-12 17:00	DLV	5	5	1				TechLaw	
1204239-01	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	prim/sec VOCs
1204239-02	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	prim/sec VOCs

Comments:

Analyst Initials:

Volatiles MS, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 2010284 (Static)

Batch Comments: (none)

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*
1204239-03	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	prim/sec VOCs
1204239-04	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	prim/sec VOCs
1204249-05	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204249-06	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204249-07	A	Apr-16-12 17:00	DLV	5	5	1				[redacted]	
1204122-06	A	Apr-17-12 09:25	DLV	5	5	1				[redacted]	Added for BatchQC in: 1204730
1204122-06	A	Apr-17-12 09:25	DLV	5	5	1				[redacted]	Added for BatchQC in: 1204730

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1205092

Printed: 5/9/2012 7:41:46PM

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
2041010	8260B Working Std A 04-19-12	Solvent Lot #K14E06	001

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1204297	8260B DoD VOAs plus custom	1204317	8260B DoD VOAs plus custom	1204329	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
1205092-BLK1		Apr-23-12 08:00	LEW	5	5	1				BLANK	
1205092-BS1		Apr-23-12 08:00	LEW	5	5	1		2041010	2	LCS	
1205092-BSD1		Apr-23-12 08:00	LEW	5	5	1		2041010	2	LCS DUP	
1204297-05	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204297-06	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204297-07	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204297-08	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204297-09	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204297-10	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204297-11	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204297-12	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204297-13	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204297-14	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204297-15	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204317-01	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204317-02	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204317-03	A	Apr-23-12 08:00	LEW	5	5	1					MRL Check at beg and end of run
1204329-01	A	Apr-23-12 08:00	LEW	5	5	1				TechLaw	

Comments:

Analyst Initials:

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
2050136	8260 Working Standard B 05-02-1	MeOH-G50E19	NA

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1204454	8260B TCL OLM 4.3 VOAs	1204511	8260B TCL OLM 4.3 VOAs	1204511	8260B DoD VOAs plus custom
1204530	8260B DoD VOAs plus custom				

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*
1205579-BLK1		May-03-12 07:00	DLV	5	5	1				BLANK	
1205579-BS1		May-03-12 07:00	DLV	5	5	1		2050136	2	LCS	
1205579-MS1		May-03-12 07:00	DLV	5	5	1	1204511-09	2050136	2	MATRIX SPIKE	
1205579-MSD1		May-03-12 07:00	DLV	5	5	1	1204511-09	2050136	2	MATRIX SPIKE DUP	
1204454-01	A	May-03-12 07:00	DLV	5	5	1				TechLaw	
1204454-02	A	May-03-12 07:00	DLV	5	5	1				TechLaw	
1204511-01	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204511-02	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204511-03	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204511-04	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204511-05	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204511-06	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204511-07	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204511-08	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204511-09	A	May-03-12 07:00	DLV	5	5	1					Added for BatchQC in: 1205579
1204511-09	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204530-01	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204530-02	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs

Comments:

Analyst Initials:

Volatiles MS, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 2010284 (Static)

Batch Comments: (none)

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*
1204530-03	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204530-04	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs
1204530-05	A	May-03-12 07:00	DLV	5	5	1					TCL VOCs

Comments:

Analyst Initials:

Volatiles MS, Water, Apr-06-12

Instrument= 328, Calibration = 2D06026

Sequence Analyses:
8260B TCL OLM 4.3 VOAs

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2D06049-TUN1	QC		2031374	2031416	MS TUNE	
2D06049-CCV1	QC		2031032	2031416	CALIBRATION CHECK	
1204318-BS1	QC			2031416	LCS	
1204318-BLK1	QC			2031416	BLANK	
1204093-01	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204089-01	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204089-02	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204089-03	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204089-04	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204089-05	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204089-06	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204093-06	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204093-08	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204093-09	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204093-02	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204093-03	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204093-04	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204093-05	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204093-07	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	some are 48-Hr rush
1204091-01	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	
1204318-MS1	QC			2031416	MATRIX SPIKE	
1204318-MSD1	QC			2031416	MATRIX SPIKE DUP	

Comments:

Analyst Initials:

Volatiles MS, Water, Apr-16-12

Instrument= 224, Calibration = 2D17013

Sequence Analyses:
8260B MDEQ+ VOAs
8260B TCL OLM 4.3 VOAs
8260B Standard VOAs

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2D17013-TUN1	QC		2031374	2031416	MS TUNE	
2D17013-CCV1	QC		2031032	2031416	CALIBRATION CHECK	
1204730-BS1	QC			2031416	LCS	
1204730-BLK1	QC			2031416	BLANK	
1204239-01	8260B Standard VOAs	A		2031416		prim/sec VOCs
1204239-02	8260B Standard VOAs	A		2031416		prim/sec VOCs
1204239-03	8260B Standard VOAs	A		2031416		prim/sec VOCs
1204239-04	8260B Standard VOAs	A		2031416		prim/sec VOCs
1204122-01	8260B Standard VOAs	A		2031416		
1204122-02	8260B Standard VOAs	A		2031416		
1204122-03	8260B Standard VOAs	A		2031416		
1204122-04	8260B Standard VOAs	A		2031416		
1204122-05	8260B Standard VOAs	A		2031416		
1204122-06	8260B Standard VOAs	A		2031416		
1204122-07	8260B Standard VOAs	A		2031416		
1204122-08	8260B Standard VOAs	A		2031416		
1204122-09	8260B Standard VOAs	A		2031416		
1204122-10	8260B Standard VOAs	A		2031416		
1204205-01	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	
1204205-02	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	
1204249-05	8260B MDEQ+ VOAs	A		2031416		
1204249-06	8260B MDEQ+ VOAs	A		2031416		
1204249-07	8260B MDEQ+ VOAs	A		2031416		
1204730-MS1	QC			2031416		
1204730-MSD1	QC			2031416		

Comments:

Analyst Initials:

Volatiles MS, Water, Apr-23-12

Instrument= 323, Calibration = 2D20002

Sequence Analyses:
8260B DoD VOAs plus custom 8260B TCL OLM 4.3 VOAs

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2D24048-TUN1	QC		2031374		MS TUNE	
2D24048-CCV1	QC		2041016	2031416	CALIBRATION CHECK	
1205092-BS1	QC			2031416	LCS	
1205092-BSD1	QC			2031416	LCS DUP	
1205092-BLK1	QC			2031416	BLANK	
2D24048-CRL1	QC		2041012	2031416	INSTRUMENT RL CHECK	
2D24048-CRL2	QC		2041013	2031416	INSTRUMENT RL CHECK	
1204297-05	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204297-06	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204297-07	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204297-08	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204297-09	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204297-10	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204297-11	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204297-12	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204297-13	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204297-14	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204297-15	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204317-01	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204317-02	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204317-03	8260B DoD VOAs plus custom	A		2031416		MRL Check at beg and end of run
1204329-01	8260B TCL OLM 4.3 VOAs	A		2031416	TechLaw	
2D24048-CRL3	QC		2041012	2031416	INSTRUMENT RL CHECK	
2D24048-CRL4	QC		2041013	2031416	INSTRUMENT RL CHECK	

Comments:

Analyst Initials:

Volatiles MS, Water, May-03-12

Instrument= 224, Calibration = 2E03002

Sequence Analyses:
8260B DoD VOAs plus custom 8260B TCL OLM 4.3 VOAs

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2E04020-TUN1	QC		2031374	2041263	MS TUNE	
2E04020-CCV1	QC		2041200	2041263	CALIBRATION CHECK	
1205579-BS1	QC			2041263	LCS	
1205579-BLK1	QC			2041263	BLANK	
1204511-01	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204530-05	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204511-02	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204511-03	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204511-04	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204511-05	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204511-06	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204511-07	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204511-08	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204511-09	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204530-01	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204530-02	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204530-03	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204530-04	8260B DoD VOAs plus custom	A		2041263		TCL VOCs
1204454-01	8260B TCL OLM 4.3 VOAs	A		2041263	TechLaw	
1204454-02	8260B TCL OLM 4.3 VOAs	A		2041263	TechLaw	
1205579-MS1	QC			2041263	MATRIX SPIKE	
1205579-MSD1	QC			2041263	MATRIX SPIKE DUP	

Comments:

Analyst Initials:

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:	4-4-12
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.:	20314116
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	20401176
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		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
4-5-12	DCV	8260B	25	50			7:29	QC	BFB0405		
			20				7:57		CCV0405		
			20				8:24		BS0405		
							8:52		B		
							9:19		BLK0405		
							9:47	[redacted]	1204045-01		
							10:15		02		
							10:43		03		
							11:10		04		
							11:38		05		
							12:06		1204044-01		
							12:34		02	2x	
							13:01	[redacted]	1203408-01		
					Succ ↑		13:29		02		
							13:57		03		
							14:24	[redacted]	1204080-01		
							14:52		02		
							15:20		03		
							15:48		04		
							16:16		1204051-01		

01912

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
4-5-12	DW	8260B					16:43	[redacted]	1204081-02		
							17:11		03		
							17:39		04		
							18:06	[redacted]	04504MS		
							18:34		MSD		
	JDM	8260B w/ 45-2	25 ~~2.5~~	100 ~~50~~			19:07		BFB0405A		
			1.0	200			19:34		PSP0405A		
			1.0	100			20:02		1P0405A		
			5	1			20:30		5P0405A		
			1	50			20:57		10P0405A		
			10	"			21:25		20P0405A		
			20				21:53		40P0405A		
							22:20		R1		
			50	50			22:48		100P0405A		
							23:16		R2		
			100	50			23:44		200P0405A		
4-6-12							00:11		R3		
							00:39		R4		
			5	100			1:06		SCV524		
			20	50			1:34		SCV0405A		
			"	"			2:02		CCV0405A		
							2:29		BS0405A		
							2:57		BA		
							3:25		BLC0405A		
								[redacted]	~~1D0409-02~~ ~~-03~~ -04	2x	
									~~1204090-03A~~		

DW 4-6-12

Didn't run DW 4-6-12

01913

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:	4-5-12
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:	2040126
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		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
4-6-12	DLV	8260B	25	50			7:43	GC	BFB0406		
			20				8:11		CCV0406		
			20				8:38		BS0406		
							9:06		B		
							9:33		BLK0406		
						✓	10:01	TechLaw	1204093-01		
						✓	10:29		1204089-01		
						✓	10:57		02		
						✓	11:24		03		
						✓	11:52		04		
						✓	12:20		05		
						✓	12:48		06		
						✓	13:15		1204093-06		
						✓	13:43		08		
						✓	14:11		09		
						✓	14:38		02		
						✓	15:06		03		
						✓	15:34		04		
						✓	16:02		05		
						✓	16:30		07		

01011

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
4-6-12	DLV	8260B				✓	16:57	Test America	1204091-01		
						✓	17:25		09320 MS		
						✓	17:53		09302 MSD		
	JDM		25	5.0			15:26		BFB0406A		
			20				16:54		CCV0406A		
							19:22		BS0406A		
							19:49		BA		
							20:17		BLK0406A		
						✓	20:45	[redacted]	1204094-01		
						✓	21:12		02		
						✓	21:40		03		
						✓	22:08		04		
					rr 5x		22:36		05		
					rr		23:03		06		
						✓	23:31		07		
						✓	23:58		08		
4-7-12					rr 5x		00:26		09		
					rr		00:53		10		
							1:21	[redacted]	1203413-01	100x	
							1:49		1203475-01		
							2:16		02		
					rr?		2:44	[redacted]	1204012-02		
							3:12		1204034-01		
							3:39		R		
							4:07	[redacted]	09402 MS		
							4:34		MSD		
							5:02		MS	100x	
							5:29		03401 MSD		

01915

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:	4-16-12
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:	2040870
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	2040475

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
4-16-12	DLW	8760B	25	50			9:00		BFB0416B		
			20	50			9:28		CCV0416		
							10:28		R1		
							10:53		R2		
			1	200			11:27		0.5P0416		
			1	100			11:54		1P0416		
			5	100			12:22		5P 0416		
			5	50			12:50		10P 0416		
			10				13:17		20P 0416		
			20				13:45		40P 0416		
			50				14:12		100P0416		
							14:40		R3		
							15:08		R4		
			100	50			15:35		200P0416		
			8	100			16:03		1,411xSCV		
			20	50			17:01		SCV0416		
							17:28		R5		
			25	50			17:56		BFB0416C		
			20				18:23		BCV0416C		
			1				18:51		BS0416C		

01615

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
4-16-12 8260B	DLW	8260B					19:19		BC		
4-16-12							19:46		BLC0416C		
						✓	20:14	[redacted]	1204239-01		
						✓	20:41		02		
						✓	21:09		03		
						✓	21:38		04		
						✓	22:06		1204122-01		
						✓	22:34		02		
						✓	23:02		03		
						✓	23:29		04		
						✓	23:57		05		
4-17-12						✓	00:24		06		
						✓	00:52		07		
						✓	1:19		08		
						✓	1:48		09		
						✓	2:17		10		
						✓	2:45	Techlaw	1204205-01		
						✓	3:14		02		
						✓	3:43	[redacted]	1204249-05		
						✓	4:11		07		
						✓	4:40		06		
							5:08	[redacted]	12206MS		
							5:37		12206MSD		
							6:05		RNS		
							6:34		1715		
							7:02		2515		
							7:31		4315		

01017

TRIMATRIX LABORATORIES

Instrument Number:	323	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	45° C for 3 minutes	Curve Date:	4-19-12
Column Installation Date:	2-1-08	Scan Range:	35-300	Step #2	15° C/minute to 200° C, hold for 1.00 minute	IS/SS Std.:	2031415
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	2041010
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5	Column # 0090510	LCS Std:	2040870

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
4-19-12	LEW	8260B	25	50			746	QC	BFB0419		
			1	200			1034		0.5p0419		
			1	100			1102		1p0419		
			5	100			1130		5p0419		
			5	50			1158		10p0419		
			10	"			1226		20p0419		
			20	"			1253		40p0419		
			50	50			1321		100p0419		
							1349		R3		
			100	50			1417		200p0419		
							1444		R4		
							1512		R5		
			20	50			1540		SCV419		
4-19-12	LEW	8260B	5	100			1608		5pSCV419		

TRIMATRIX LABORATORIES

Instrument Number:	323	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	45° C for 3 minutes	Curve Date:	4-19-12
Column Installation Date:	2-1-08	Scan Range:	35-300	Step #2	15° C/minute to 200° C, hold for 1.00 minute	IS/SS Std.:	2021415
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	204/010
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5	Column # 0090510	LCS Std:	

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
4-23-12	LEW	8260B/624	25	50			858	QC	BFB0423		
			20 up to 4-24-12				953		CCV0423A		
			20				1020		BSD0423A		
							1048		RI		
							1115		BLK0423A		
			1	100			1143		MRL lp0423A		
			5	100			1211		MRL 5p0423A		
						✓	1239	[redacted]	1204297-05		
						✓	1306		-06		
						✓	1334		-07		
						✓	1402		-08		
						✓	1430		-09		
						✓	1458		-10		
						✓	1526		-11		
						✓	1554		-12		
						✓	1622		-13		
						✓	1650		-14		
						✓	1718		-15		
						✓	1746		1204317-01		
4-23-12	LEW	8260B/624				✓	1813		-02		

01919

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
4-23-12	LEW	8260B (624)				✓	1841	[redacted]	1204317-03		
						✓	1909	Techlaw	1204329-01		
			1	100			1937	QC	MRL1p0423		
			5	100			2005		MRL5p0423		
			25	50			2033		BFB0423B		
			20				2101		CCV0423B		
			20				2128		BSD0423B		
							2156		R2		
							2224		BLK0423B		
							2252	[redacted]	1204268-02		
						✓	2319	[redacted]	1204254-01		
					RR@2x	✓	2347		-02		
4-24-12					rr@ 2.5x	✓	0015		-03	2x	
						✓	0042		1204306-01		
						✓	110		-02		
						✓	137		-03		
						✓	205	[redacted]	1204346-01		
						-	233		-02		
						✓	300	[redacted]	1204333-01		
						✓	327	[redacted]	1204357-01		
						✓	355		-02		
						✓	422		-03		
						✓	450		-04		
						✓	517	[redacted]	1204333-01		
						✓	545		-02		
						✓	612		-03		
						✓	639		-04		
							707	[redacted]	1204357-03 MS		
							734		-03 MSD		
							802	[redacted]	1204383-01 MS		
4-24-12	LEW	8260B (624)					829		-01 MSD		

91929

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:	4-30-12
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.:	203 M16
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	2041396
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	2041395

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
4-30-12	DW	8260B	25	50			8:34		BFB0430		
			1	200			9:03		0.5P0430		
			1	100			9:31		1P0430		
			5	100			9:59		5P0430		
			5	50			10:27		10P0430		
			10				10:56		20P0430		
			20				11:24		40P0430		
			50				11:51		100P0430		
							12:19		B1		
			100	50			12:46		200P0430		
							13:14		B2		
			20	50			13:43		SCV0430		
			5	100			14:11		SCV524		
							14:40		BLK0430		
							15:09	[redacted]	1204466-01	100x	TWP
							15:36	[redacted]	1204496-01		
							16:04	[redacted]	46601MS		
							16:31		46601MSD		
		524.2	125	50			16:59		BFB0430A		
			~~20~~ 5	~~50~~ 100	DW 5/1/12		17:27		CCV0430A		

01021

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:	4-30-12
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:	2050136
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		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
5-3-12	DW	8260B	25	50			7:41	QC	BFB0503A		
			20				8:08		CCV0503		
			20				8:36		BS0503		
							9:03		B		
							9:31		BLK0503		
							9:59	[redacted]	1204511-01		
							10:26		1204530-05		
							10:54		1204511DUP		
							11:21		03		
							11:49		04		
							12:17		05		
							12:44		06		
							13:12		07		
							13:40		08		
							14:07		09		
							14:35		1204530-01		
							15:02		02		
							15:30		03		
							15:58		04		
							16:25	TechLaw	1204454-01		

01022

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
5-3-12	DLV	8260B					16:53	Test America	1204454-02		
							17:21		RNS		
							17:48	[redacted]	51109MS		
							18:16		51109MSD		
			25	50			19:39		BFB0503B		
			20	"			20:06		CCV0503B		
			20	"			20:34		BS0503B		
							21:02		BB		
							21:29		BLK0503B		
							21:57	[redacted]	1205014-01		
							22:24		02		
							22:52		03		
							23:20		04		
							23:47		05		
5-4-12	"						00:15		1205044-01		
							00:43		02		
							1:10		03		
							1:38		04403MS		
							2:05		04403MSD		
							2:33		1A0503		
							3:01		5A0503		
							3:28		10A0503		
					Computer error						

DW 5-4-12

01023