Comment:
Operator: AH
Data Path: D:\DATA\ANGIE\VP1262\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1) Sample	1	Blank
Datafile		063017_001
Method		VOA_JUNE2017
2) Sample	2	Blank
Datafile		063017_002
Method		VOA_JUNE2017
3) Sample	3	CCV-100ng
Datafile		063017_003
Method		VOA_JUNE2017
4) Sample	4	Blank
Datafile		063017_004
Method		VOA_JUNE2017
5) Sample	5	NE39222 ORG
Datafile		063017_005
Method		VOA_JUNE2017
6) Sample	6	NE39222 DUP
Datafile		063017_006
Method		VOA_JUNE2017
7) Sample	7	NE39222 TRIP
Datafile		063017_007
Method		VOA_JUNE2017
8) Sample	8	NE39222 SPIKE
Datafile		063017_008
Method		VOA_JUNE2017
9) Sample	9	NE39155
Datafile		063017_009
Method		VOA_JUNE2017
10) Sample	10	NE39172
Datafile		063017_010
Method		VOA_JUNE2017
11) Sample	11	NE39173
Datafile		063017_011
Method		VOA_JUNE2017
12) Sample	12	NE39187
Datafile		063017_012
Method		VOA_JUNE2017
13) Sample	13	NE39208
Datafile		063017_013
Method		VOA_JUNE2017
14) Sample	14	NE39225
Datafile		063017_014
Method		VOA_JUNE2017
15) Sample	15	Blank
Datafile		063017_015
Method		NIGHT_JIM

AMH UP1262 07/20/2017

Tune File : D:\Data\Angie\VP1262\063017_001.D
Tune Time : 30 Jun 2017 3:18 pm

Daily Calibration File : D:\Data\Angie\VP1262\063017_001.D

(BFB)

File	Sample	Surrogate Recovery %			Internal Standard Responses		
					2044180	1502020	781070
63017_001.D	Blank	105	100	103	2044182	1502017	781070
63017_002.D	Blank	102	99	104	1999134	1488193	766110
63017_003.D	CCV-100ng	101	99	99	1958414	1485990	794634
63017_004.D	Blank	99	101	103	1959354	1439271	748029
63017_005.D	NE39222 OR	101	100	96	1922552	1433398	743944
63017_006.D	NE39222 DU	103	98	98	1932980	1448807	756241
63017_007.D	NE39222 TR	104	100	100	1940476	1440352	748147
63017_008.D	NE39222 SP	101	101	100	1941755	1444420	763301
3017_009.D	NE39155	100	100	102	1920897	1437472	751039
3017_010.D	NE39172	102	100	99	1889560	1405537	740418
3017_011.D	NE39173	102	99	96	1928988	1440311	755093
3017_012.D	NE39187	103	99	101	1656789	1228309	635559
3017_013.D	NE39208	103	99	100	1772586	1330988	684938
3017_014.D	NE39225	99	99	98	1929965	1430609	761580

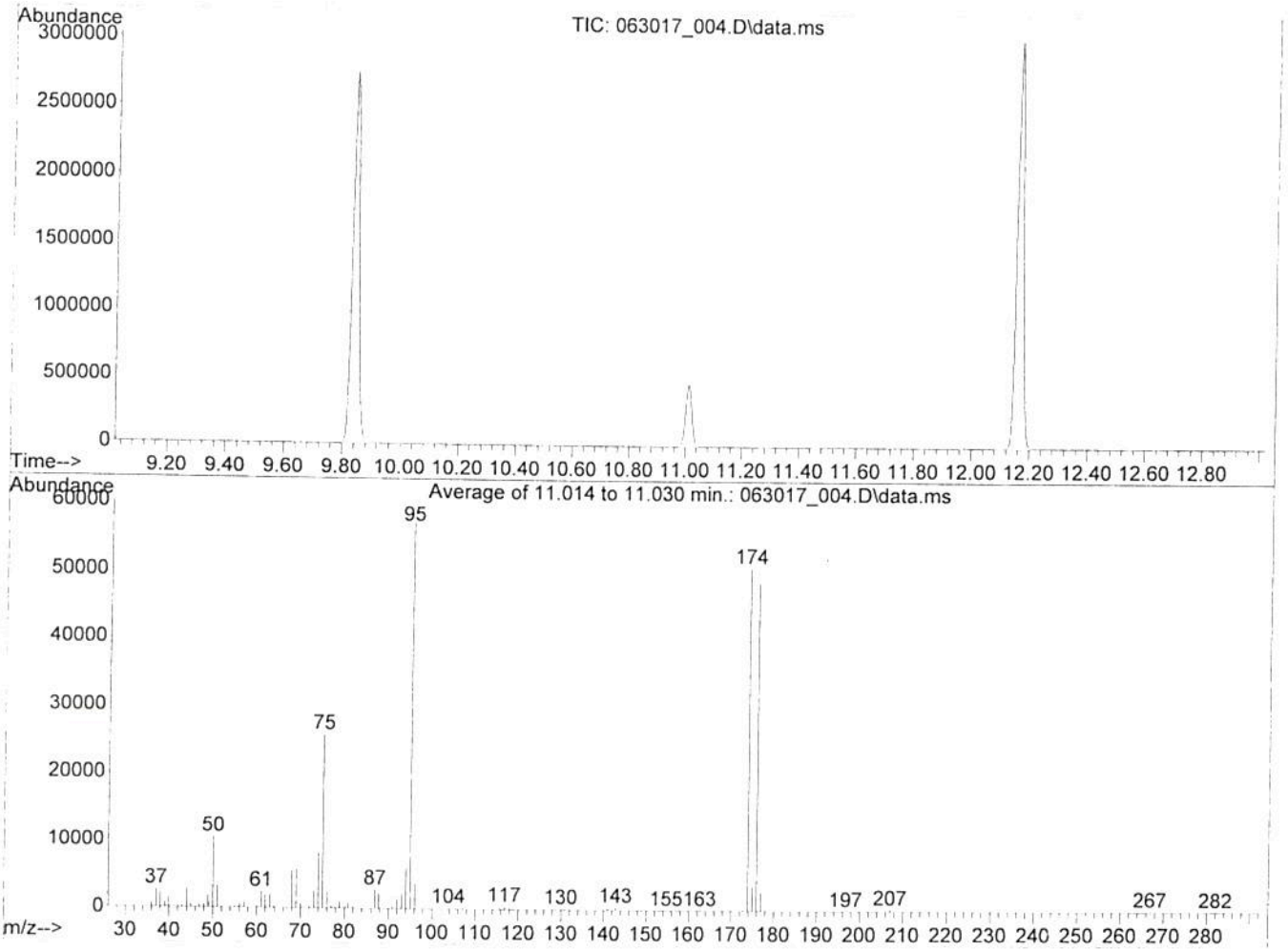
ails) - fails 12hr time check * - fails criteria

Created: Thu Jul 20 15:31:19 2017 Instrument 1

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_004.D
Acq On : 30 Jun 2017 4:31 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Title : VOLATILE ANALYSIS by P&T GC/MSD
Last Update : Thu Jun 22 13:44:54 2017



Spectrum Information: Average of 11.014 to 11.030 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	10529	PASS
75	95	30	60	45.3	25910	PASS
95	95	100	100	100.0	57163	PASS
96	95	5	9	6.6	3747	PASS
173	174	0.00	2	0.4	212	PASS
174	95	50	100	89.2	51008	PASS
175	174	5	9	7.0	3594	PASS
176	174	95	101	95.9	48897	PASS
177	176	5	9	5.6	2714	PASS

AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_001.D
Acq On : 30 Jun 2017 3:18 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 07 14:24:25 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

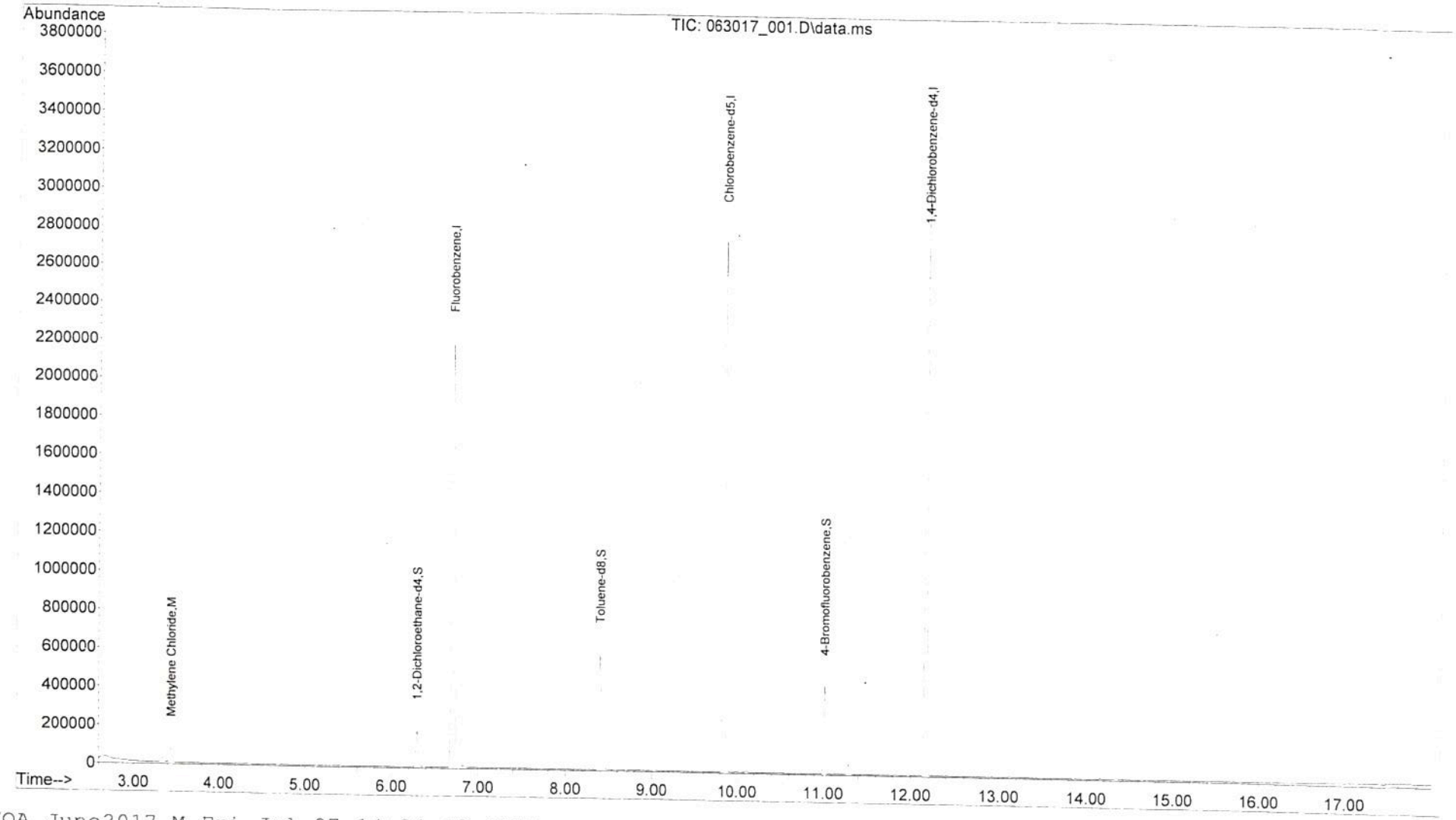
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.70	96	2044182	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1502017	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	781070	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	123321	52.30 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.60%		
25) Toluene-d8	8.40	98	378476	49.79 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.58%		
41) 4-Bromofluorobenzene	11.01	174	128073	51.71 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.42%		
Target Compounds					Qvalue
6) Methylene Chloride	3.44	84	37736	16.66 ng	88
8) Hexane	4.33	57	1144	Below Cal #	29

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_001.D
Acq On : 30 Jun 2017 3:18 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 07 14:24:25 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



Data Path : D:\Data\Angie\VP1262\
Data File : 063017_002.D
Acq On : 30 Jun 2017 3:42 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 07 14:27:56 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1999134	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1488193	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	766110	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	118113	51.22	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.44%			
25) Toluene-d8	8.40	98	371313	49.30	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.60%			
41) 4-Bromofluorobenzene	11.01	174	125866	51.81	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.62%			

Target Compounds

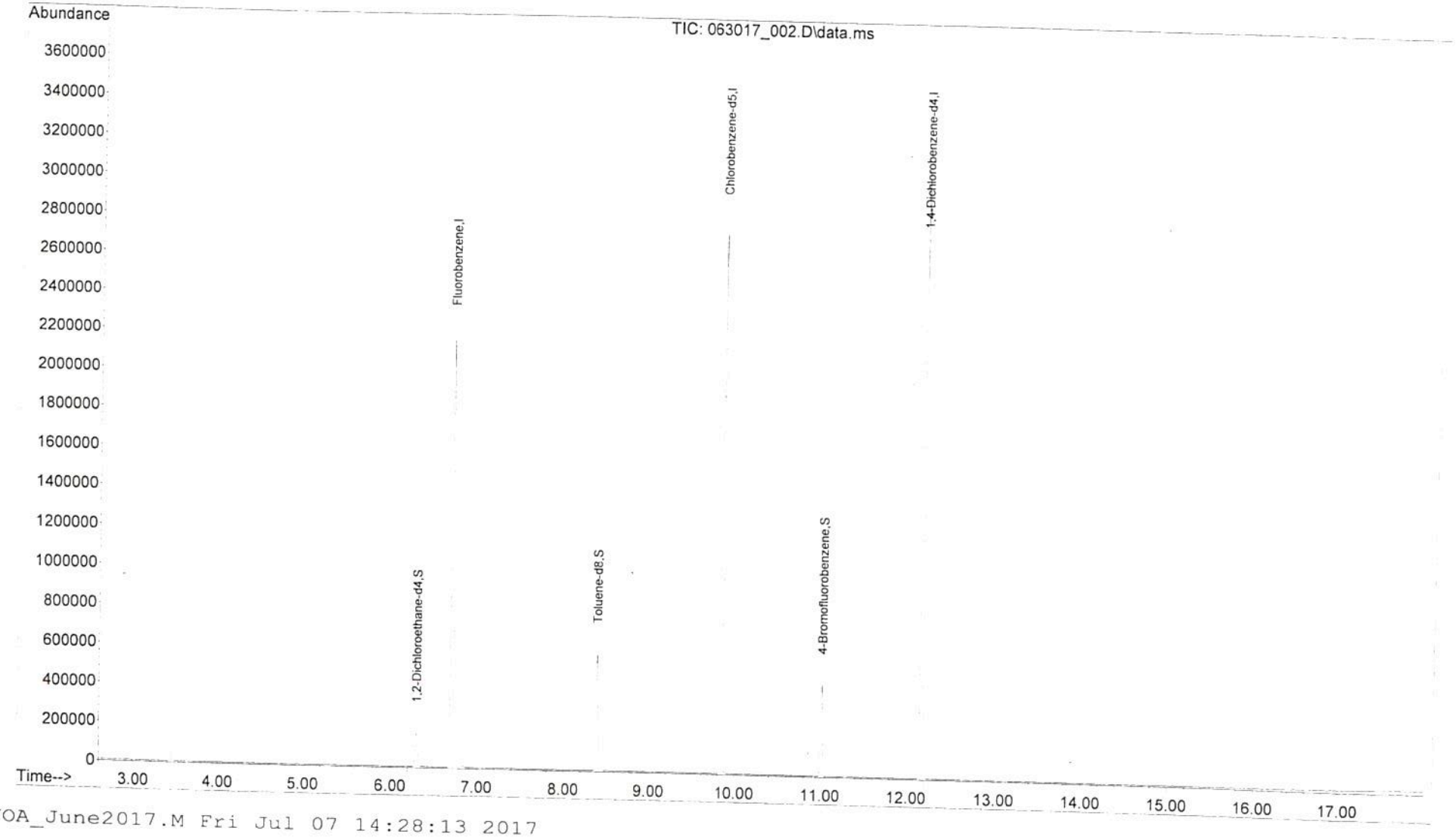
Qvalue

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

AMH VP1262 07/20/2017

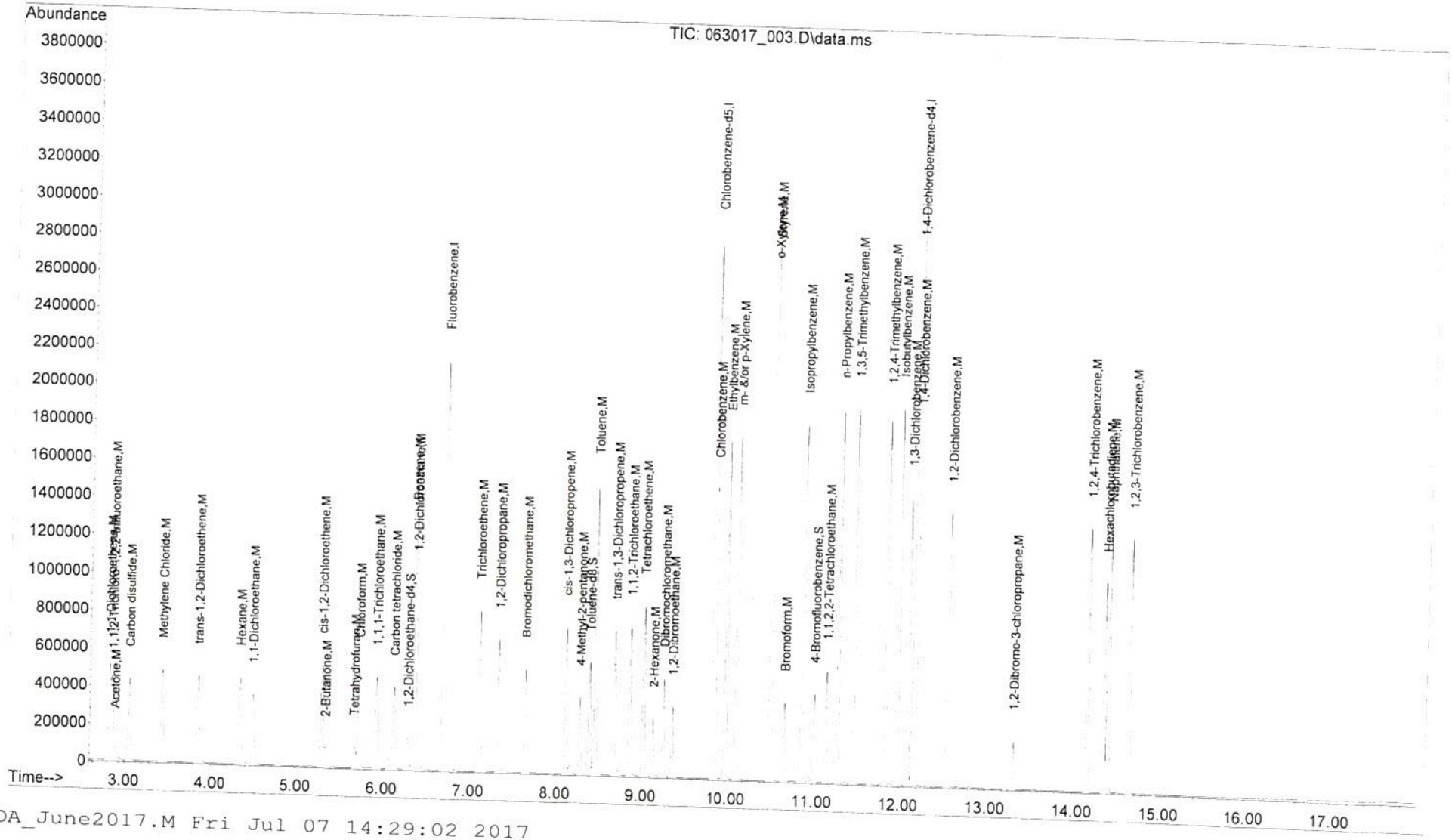
Data Path : D:\Data\Angie\VP1262\
Data File : 063017_002.D
Acq On : 30 Jun 2017 3:42 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 07 14:27:56 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



Data Path : D:\Data\Angie\VP1262\
Data File : 063017_003.D
Acq On : 30 Jun 2017 4:07 pm
Operator : AH
Sample : CCV-100ng
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 07 14:28:21 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



VOA_June2017.M Fri Jul 07 14:29:02 2017

AHH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_004.D
Acq On : 30 Jun 2017 4:31 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 07 14:29:09 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.71	96	1959354	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1439271	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	748029	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	112189	49.64 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.28%		
25) Toluene-d8	8.40	98	367100	50.40 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.80%		
41) 4-Bromofluorobenzene	11.01	174	122444	51.62 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.24%		
Target Compounds					Qvalue
8) Hexane	4.34	57	1121	Below Cal #	23

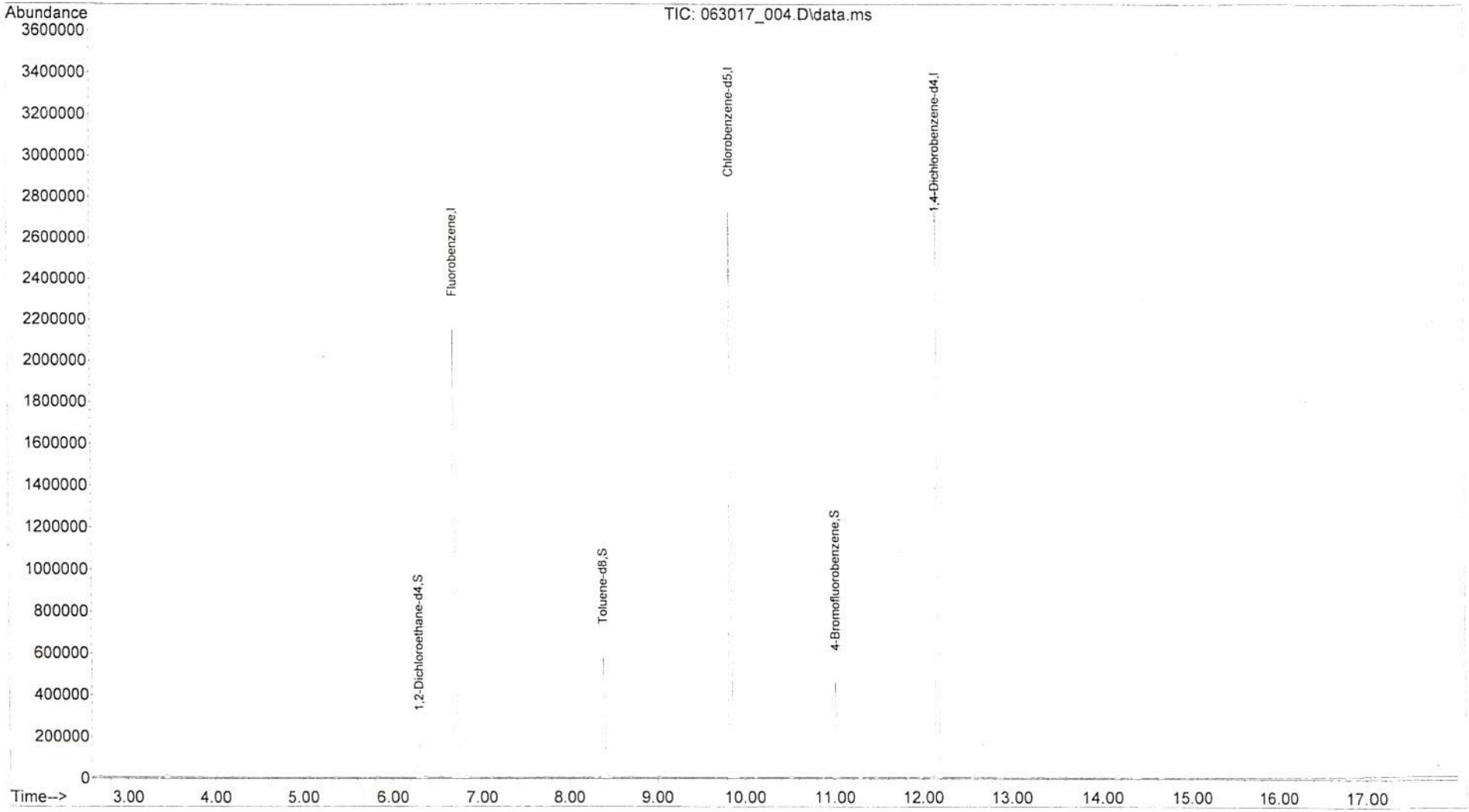
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_004.D
Acq On : 30 Jun 2017 4:31 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 07 14:29:09 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



AHH VP1262 07/20/2017

D:\Data\Angie\VP1262\063017_005.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/30/2017 16:56	uL purged =	1.00
Data File Name:	**063017_005.D**		
Sample Name:	NE39222 ORG		
		Total Volume (mL) =	**50.0**
mL of Sample in 50 mL water=	**0.010**	**Total Purge Vol (mL)=**	**5.000**

	COMPOUND	Amount ng	Concentration mg/L	Limit of Quantitation ng	mg/L
2	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00	ND	5	5.00000
3	1,1-Dichloroethene	0.00	ND	5	5.00000
4	Acetone	51.92	51.920	10	10.00000
5	Carbon disulfide	0.00	ND	5	5.00000
6	Methylene Chloride	8.13	8.135	5	5.00000
7	trans-1,2-Dichloroethene	0.00	ND	5	5.00000
8	Hexane	0.00	ND	5	5.00000
9	1,1-Dichloroethane	0.00	ND	5	5.00000
10	cis-1,2-Dichloroethene	0.00	ND	5	5.00000
11	2-Butanone	0.00	ND	5	5.00000
12	Chloroform	0.00	ND	5	5.00000
13	Tetrahydrofuran	0.00	ND	5	5.00000
14	1,1,1-Trichloroethane	0.00	ND	5	5.00000
15	Carbon tetrachloride	0.00	ND	5	5.00000
17	Benzene	0.00	ND	5	5.00000
18	1,2-Dichloroethane	0.00	ND	5	5.00000
19	Trichloroethene	0.00	ND	5	5.00000
20	1,2-Dichloropropane	0.00	ND	5	5.00000
21	Bromodichloromethane	0.00	ND	5	5.00000
23	cis-1,3-Dichloropropene	0.00	ND	5	5.00000
24	4-Methyl-2-pentanone	3.09	ND	5	5.00000
26	Toluene	0.00	ND	5	5.00000
27	trans-1,3-Dichloropropene	0.00	ND	5	5.00000
28	1,1,2-Trichloroethane	0.00	ND	5	5.00000
29	Tetrachloroethene	0.00	ND	5	5.00000
30	2-Hexanone	0.00	ND	5	5.00000
31	Dibromochloromethane	0.00	ND	5	5.00000
32	1,2-Dibromoethane	0.00	ND	5	5.00000
33	Chlorobenzene	0.00	ND	5	5.00000
34	Ethylbenzene	0.69	ND	5	5.00000
35	m- &/or p-Xylene	4.05	ND	5	5.00000
36	o-Xylene	0.90	ND	5	5.00000
37	Styrene	3.36	ND	5	5.00000
38	Bromoform	0.00	ND	5	5.00000
39	1,4-Dichlorobenzene-d4	250.00	250.000	5	5.00000
41	4-Bromofluorobenzene	48.23	48.234	5	5.00000
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	5.00000
43	n-Propylbenzene	0.13	ND	5	5.00000
44	1,3,5-Trimethylbenzene	0.00	ND	5	5.00000
45	1,2,4-Trimethylbenzene	0.00	ND	5	5.00000
46	Isobutylbenzene	1.52	ND	5	5.00000
47	1,3-Dichlorobenzene	0.22	ND	5	5.00000
48	1,4-Dichlorobenzene	0.00	ND	5	5.00000
49	1,2-Dichlorobenzene	0.00	ND	5	5.00000
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	5.00000
51	1,2,4-Trichlorobenzene	0.59	ND	5	5.00000
52	Hexachlorobutadiene	0.00	ND	5	5.00000
53	Naphthalene	3.45	ND	5	5.00000

Conc=((Sample amt (ng)/Total Purge Volume (mL))*(Total Volume (mL)/Sample Volume (mL)))*(1mL/1000uL) ng/uL=mg/L

AMH VP1262 7/24/17

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_005.D
Acq On : 30 Jun 2017 4:56 pm
Operator : AH
Sample : NE39222 ORG
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 07 14:29:43 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

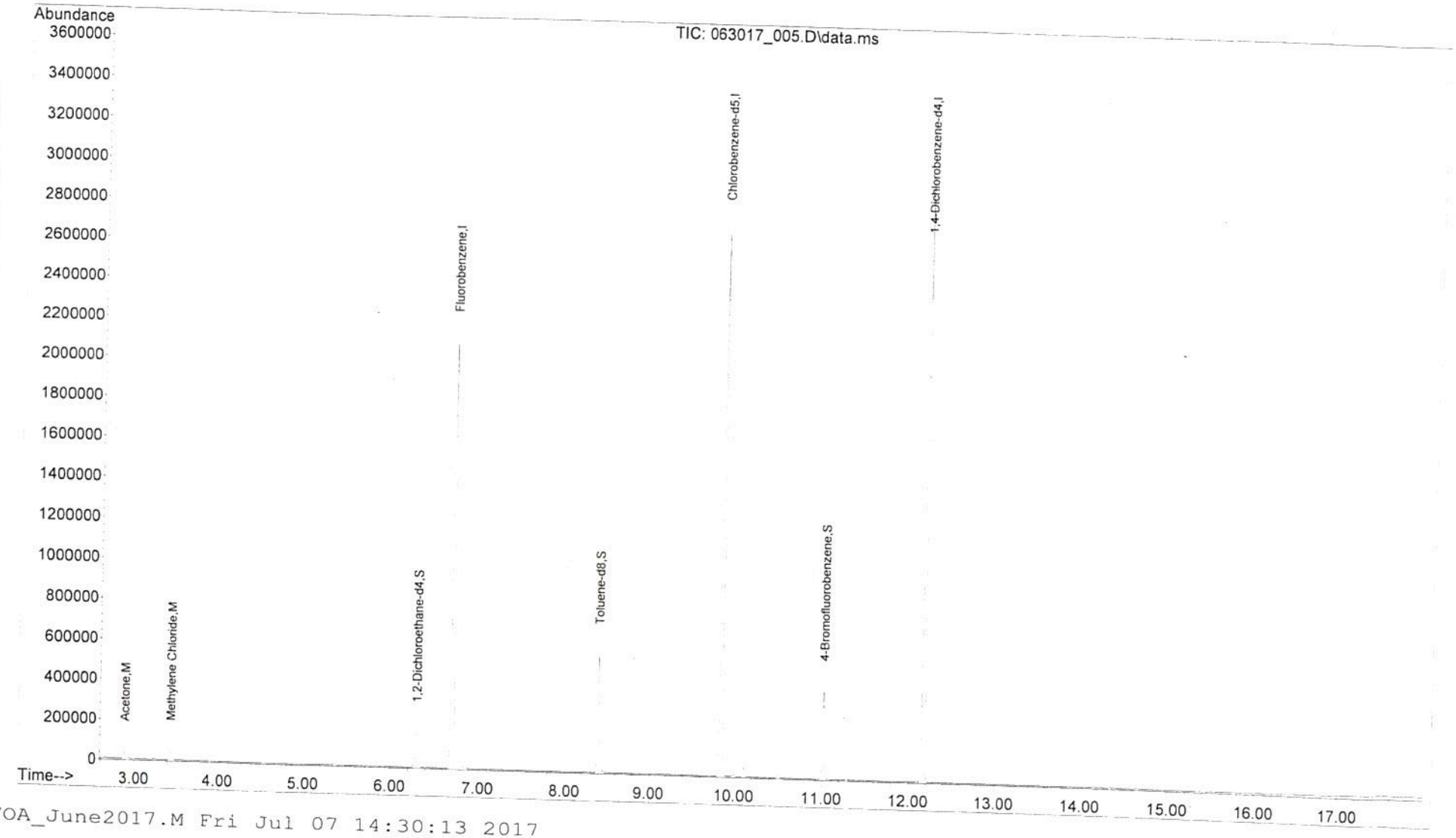
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.71	96	1922552	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1433398	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	743944	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	111674	50.35 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.70%		
25) Toluene-d8	8.40	98	362161	49.92 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.84%		
41) 4-Bromofluorobenzene	11.01	174	113785	48.23 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.46%		
Target Compounds					Qvalue
4) Acetone	2.89	58	14061	51.92 ng	77
6) Methylene Chloride	3.44	84	17328	8.13 ng	92

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

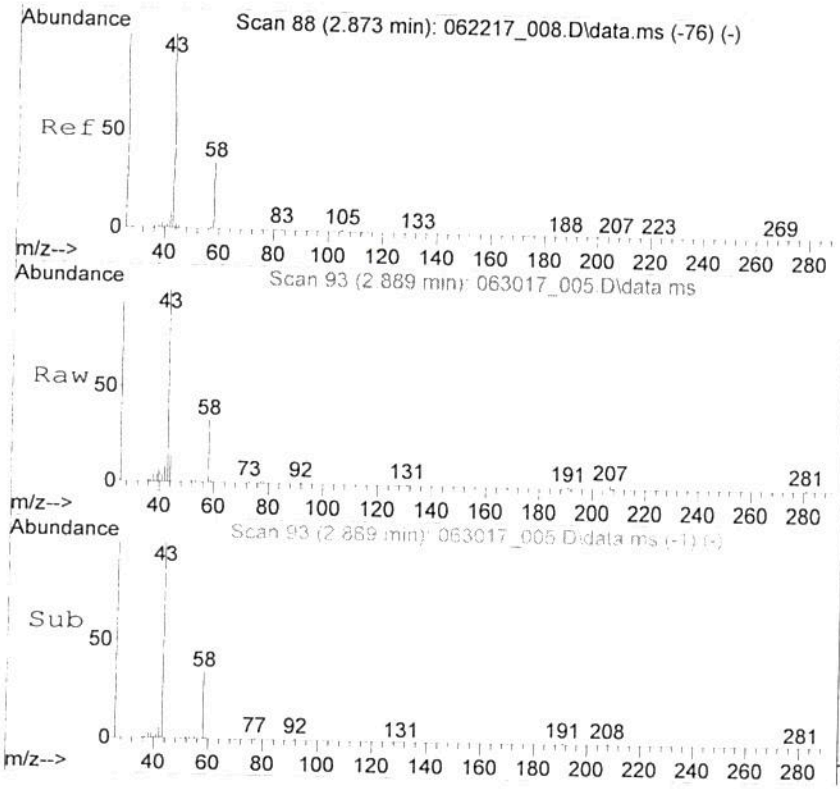
AHH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_005.D
Acq On : 30 Jun 2017 4:56 pm
Operator : AH
Sample : NE39222 ORG
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 07 14:29:43 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



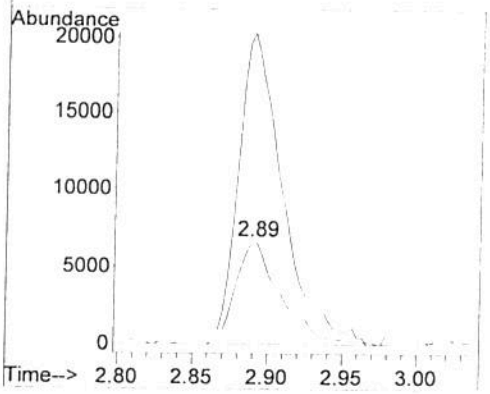
VOA_June2017.M Fri Jul 07 14:30:13 2017

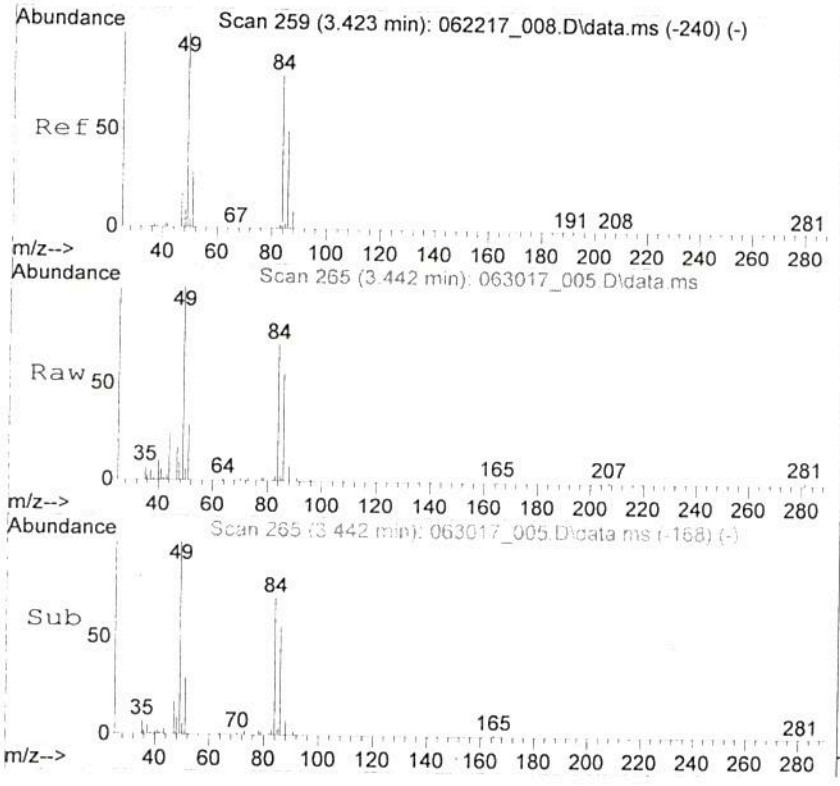


#4
Acetone
Concen: 51.92 ng
RT: 2.89 min Scan# 93
Delta R.T. -0.013 min
Lab File: 063017_005.D
Acq: 30 Jun 2017 4:56 pm

Tgt Ion: 58 Resp: 14061

Ion	Ratio	Lower	Upper
58	100		
43	297.0	277.1	415.7

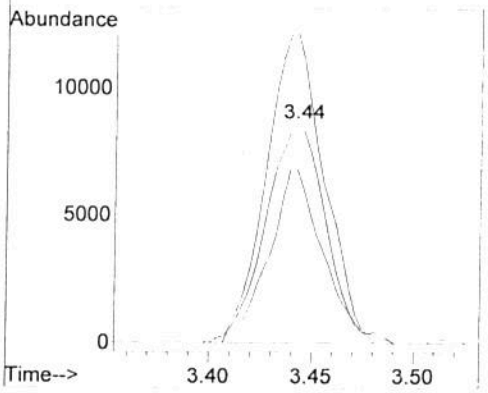




#6
Methylene Chloride
Concen: 8.13 ng
RT: 3.44 min Scan# 265
Delta R.T. -0.003 min
Lab File: 063017_005.D
Acq: 30 Jun 2017 4:56 pm

Tgt Ion: 84 Resp: 17328

Ion	Ratio	Lower	Upper
84	100		
86	73.0	50.7	76.1
49	138.8	117.4	176.0



AMH UPL262 07/20/2017

D:\Data\Angie\VP1262\063017_006.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/30/2017 17:20	uL purged =	1.00
Data File Name:	**063017_006.D**		
Sample Name:	NE39222 DUP		
		Total Volume (mL) =	**50.0**
mL of Sample in 50 mL water=	**0.010**	**Total Purge Vol (mL)=**	**5.000**

	COMPOUND	Amount ng	Concentration mg/L	Limit of Quantitation ng	mg/L
2	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00	ND	5	5.00000
3	1,1-Dichloroethene	0.00	ND	5	5.00000
4	Acetone	45.59	45.594	10	10.00000
5	Carbon disulfide	0.00	ND	5	5.00000
6	Methylene Chloride	8.08	8.083	5	5.00000
7	trans-1,2-Dichloroethene	0.00	ND	5	5.00000
8	Hexane	0.00	ND	5	5.00000
9	1,1-Dichloroethane	0.00	ND	5	5.00000
10	cis-1,2-Dichloroethene	0.00	ND	5	5.00000
11	2-Butanone	0.00	ND	5	5.00000
12	Chloroform	0.00	ND	5	5.00000
13	Tetrahydrofuran	0.00	ND	5	5.00000
14	1,1,1-Trichloroethane	0.00	ND	5	5.00000
15	Carbon tetrachloride	0.00	ND	5	5.00000
17	Benzene	0.00	ND	5	5.00000
18	1,2-Dichloroethane	0.00	ND	5	5.00000
19	Trichloroethene	0.00	ND	5	5.00000
20	1,2-Dichloropropane	0.00	ND	5	5.00000
21	Bromodichloromethane	0.00	ND	5	5.00000
23	cis-1,3-Dichloropropene	0.00	ND	5	5.00000
24	4-Methyl-2-pentanone	2.90	ND	5	5.00000
26	Toluene	0.00	ND	5	5.00000
27	trans-1,3-Dichloropropene	0.00	ND	5	5.00000
28	1,1,2-Trichloroethane	0.00	ND	5	5.00000
29	Tetrachloroethene	0.00	ND	5	5.00000
30	2-Hexanone	0.00	ND	5	5.00000
31	Dibromochloromethane	0.00	ND	5	5.00000
32	1,2-Dibromoethane	0.00	ND	5	5.00000
33	Chlorobenzene	0.00	ND	5	5.00000
34	Ethylbenzene	0.65	ND	5	5.00000
35	m- &/or p-Xylene	4.21	ND	5	5.00000
36	o-Xylene	0.76	ND	5	5.00000
37	Styrene	0.00	ND	5	5.00000
38	Bromoform	0.00	ND	5	5.00000
39	1,4-Dichlorobenzene-d4	250.00	250.000	5	5.00000
41	4-Bromofluorobenzene	49.10	49.102	5	5.00000
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	5.00000
43	n-Propylbenzene	0.13	ND	5	5.00000
44	1,3,5-Trimethylbenzene	0.00	ND	5	5.00000
45	1,2,4-Trimethylbenzene	0.00	ND	5	5.00000
46	Isobutylbenzene	1.53	ND	5	5.00000
47	1,3-Dichlorobenzene	0.00	ND	5	5.00000
48	1,4-Dichlorobenzene	0.00	ND	5	5.00000
49	1,2-Dichlorobenzene	0.00	ND	5	5.00000
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	5.00000
51	1,2,4-Trichlorobenzene	0.00	ND	5	5.00000
52	Hexachlorobutadiene	0.00	ND	5	5.00000
53	Naphthalene	3.40	ND	5	5.00000

Conc=((Sample amt (ng)/Total Purge Volume (mL))*(Total Volume (mL)/Sample Volume (mL)))*(1mL/1000uL) ng/uL=mg/L

C:\msdchem\custrpt\VP1262AH_MG_L.CRT

7/24/2017 2:19 PM

AMH VP1262 7/24/17

Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_006.D
Acq On : 30 Jun 2017 5:20 pm
Operator : AH
Sample : NE39222 DUP
Misc :
ALS Vial : 6 Sample Multiplier: 1

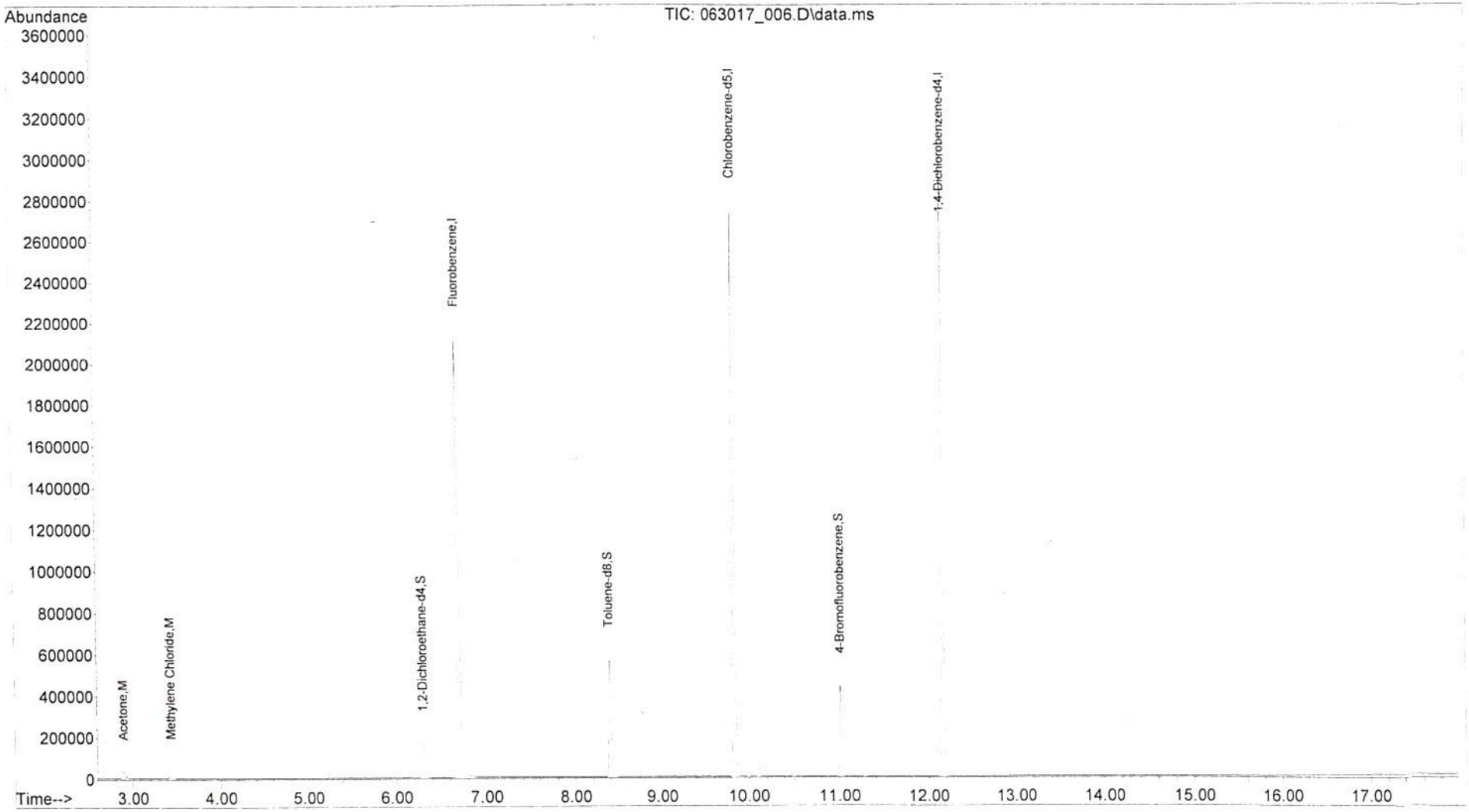
Quant Time: Jul 07 14:30:33 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.71	96	1932980	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1448807	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	756241	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	115125	51.63 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.26%		
25) Toluene-d8	8.40	98	358805	48.93 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.86%		
41) 4-Bromofluorobenzene	11.01	174	117748	49.10 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.20%		
Target Compounds					Qvalue
4) Acetone	2.90	58	12084	45.59 ng	94
6) Methylene Chloride	3.44	84	17312	8.08 ng	89

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

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_006.D
Acq On : 30 Jun 2017 5:20 pm
Operator : AH
Sample : NE39222 DUP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 07 14:30:33 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



AIH VP1262 07/28/2017

D:\Data\Angie\VP1262\063017_007.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/30/2017 17:44	uL purged =	1.00
Data File Name:	**063017_007.D**		
Sample Name:	NE39222 TRIP		

		Total Volume (mL) =	**50.0**
mL of Sample in 50 mL water=	**0.010**	**Total Purge Vol (mL)=**	**5.000**

	COMPOUND	Amount ng	Concentration mg/L	Limit of Quantitation ng	Limit of Quantitation mg/L
2	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00	ND	5	5.00000
3	1,1-Dichloroethene	0.00	ND	5	5.00000
4	Acetone	44.72	44.723	10	10.00000
5	Carbon disulfide	0.00	ND	5	5.00000
6	Methylene Chloride	8.31	8.309	5	5.00000
7	trans-1,2-Dichloroethene	0.00	ND	5	5.00000
8	Hexane	0.00	ND	5	5.00000
9	1,1-Dichloroethane	0.00	ND	5	5.00000
10	cis-1,2-Dichloroethene	0.00	ND	5	5.00000
11	2-Butanone	0.00	ND	5	5.00000
12	Chloroform	0.00	ND	5	5.00000
13	Tetrahydrofuran	0.00	ND	5	5.00000
14	1,1,1-Trichloroethane	0.00	ND	5	5.00000
15	Carbon tetrachloride	0.00	ND	5	5.00000
17	Benzene	0.00	ND	5	5.00000
18	1,2-Dichloroethane	0.00	ND	5	5.00000
19	Trichloroethene	0.00	ND	5	5.00000
20	1,2-Dichloropropane	0.00	ND	5	5.00000
21	Bromodichloromethane	0.00	ND	5	5.00000
23	cis-1,3-Dichloropropene	0.00	ND	5	5.00000
24	4-Methyl-2-pentanone	3.07	ND	5	5.00000
26	Toluene	0.00	ND	5	5.00000
27	trans-1,3-Dichloropropene	0.00	ND	5	5.00000
28	1,1,2-Trichloroethane	0.00	ND	5	5.00000
29	Tetrachloroethene	0.00	ND	5	5.00000
30	2-Hexanone	0.00	ND	5	5.00000
31	Dibromochloromethane	0.00	ND	5	5.00000
32	1,2-Dibromoethane	0.00	ND	5	5.00000
33	Chlorobenzene	0.00	ND	5	5.00000
34	Ethylbenzene	0.72	ND	5	5.00000
35	m- &/or p-Xylene	4.56	ND	5	5.00000
36	o-Xylene	0.74	ND	5	5.00000
37	Styrene	0.00	ND	5	5.00000
38	Bromoform	0.00	ND	5	5.00000
39	1,4-Dichlorobenzene-d4	250.00	250.000	5	5.00000
41	4-Bromofluorobenzene	50.18	50.185	5	5.00000
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	5.00000
43	n-Propylbenzene	0.00	ND	5	5.00000
44	1,3,5-Trimethylbenzene	0.00	ND	5	5.00000
45	1,2,4-Trimethylbenzene	0.00	ND	5	5.00000
46	Isobutylbenzene	1.56	ND	5	5.00000
47	1,3-Dichlorobenzene	0.00	ND	5	5.00000
48	1,4-Dichlorobenzene	0.00	ND	5	5.00000
49	1,2-Dichlorobenzene	0.00	ND	5	5.00000
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	5.00000
51	1,2,4-Trichlorobenzene	0.00	ND	5	5.00000
52	Hexachlorobutadiene	0.00	ND	5	5.00000
53	Naphthalene	3.35	ND	5	5.00000

Conc=((Sample amt (ng)/Total Purge Volume (mL))*(Total Volume (mL)/Sample Volume (mL)))*(1mL/1000uL) ng/uL=mg/L

C:\msdchem\custrpt\VP1262AH_MG_L.CRT

7/24/2017 2:20 PM

AMH VP1262 7/24/17

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_007.D
Acq On : 30 Jun 2017 5:44 pm
Operator : AH
Sample : NE39222 TRIP
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 07 14:31:03 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

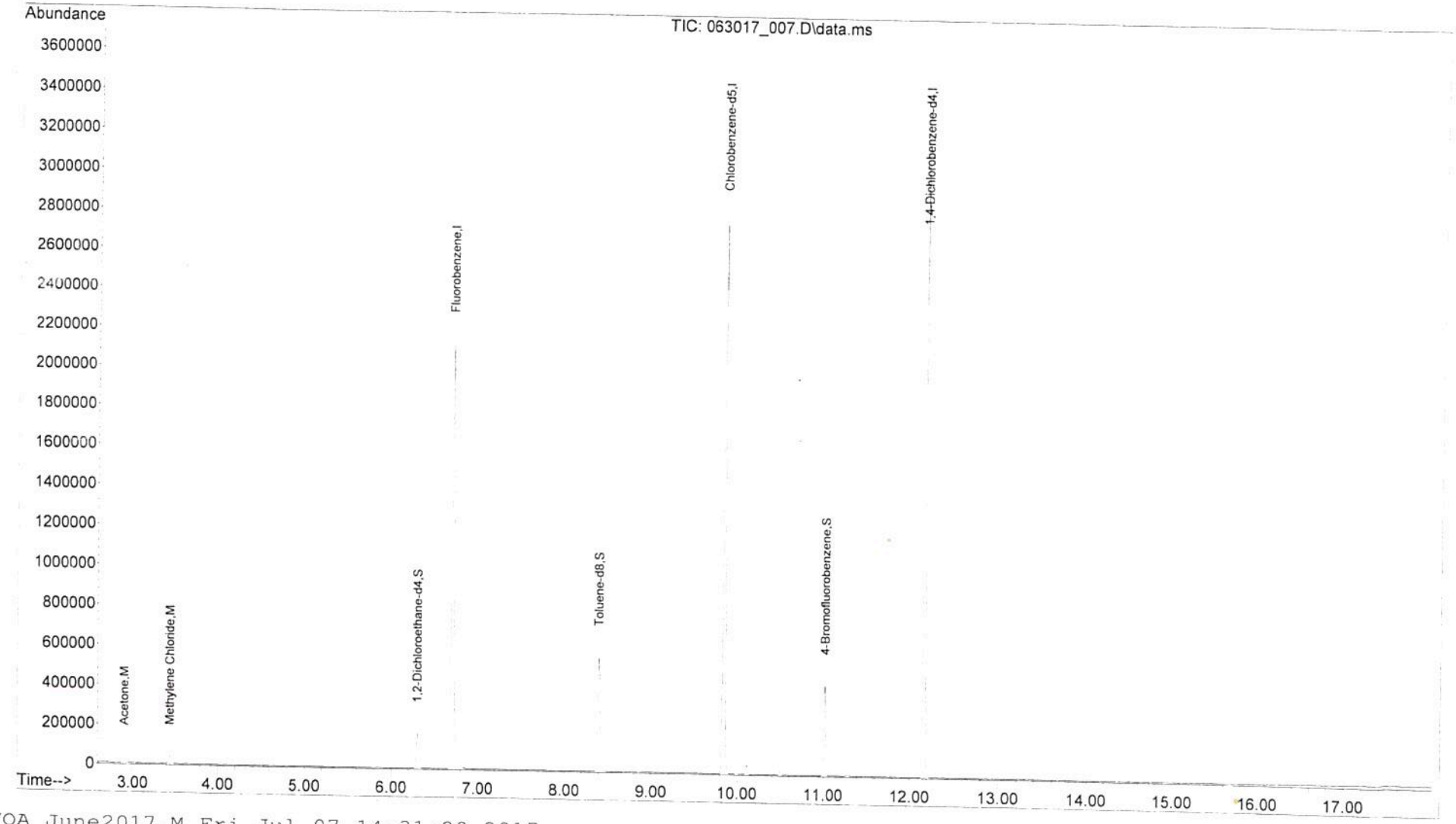
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1940476	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1440352	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	748147	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	115889	51.77	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.54%			
25) Toluene-d8	8.40	98	364015	49.94	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.88%			
41) 4-Bromofluorobenzene	11.01	174	119056	50.18	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.36%			
Target Compounds						Qvalue
4) Acetone	2.90	58	11847	44.72	ng	92
6) Methylene Chloride	3.44	84	17864	8.31	ng	89

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_007.D
Acq On : 30 Jun 2017 5:44 pm
Operator : AH
Sample : NE39222 TRIP
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 07 14:31:03 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



AHH 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_008.D
Acq On : 30 Jun 2017 6:08 pm
Operator : AH
Sample : NE39222 SPIKE
Misc :
ALS Vial : 8 Sample Multiplier: 1

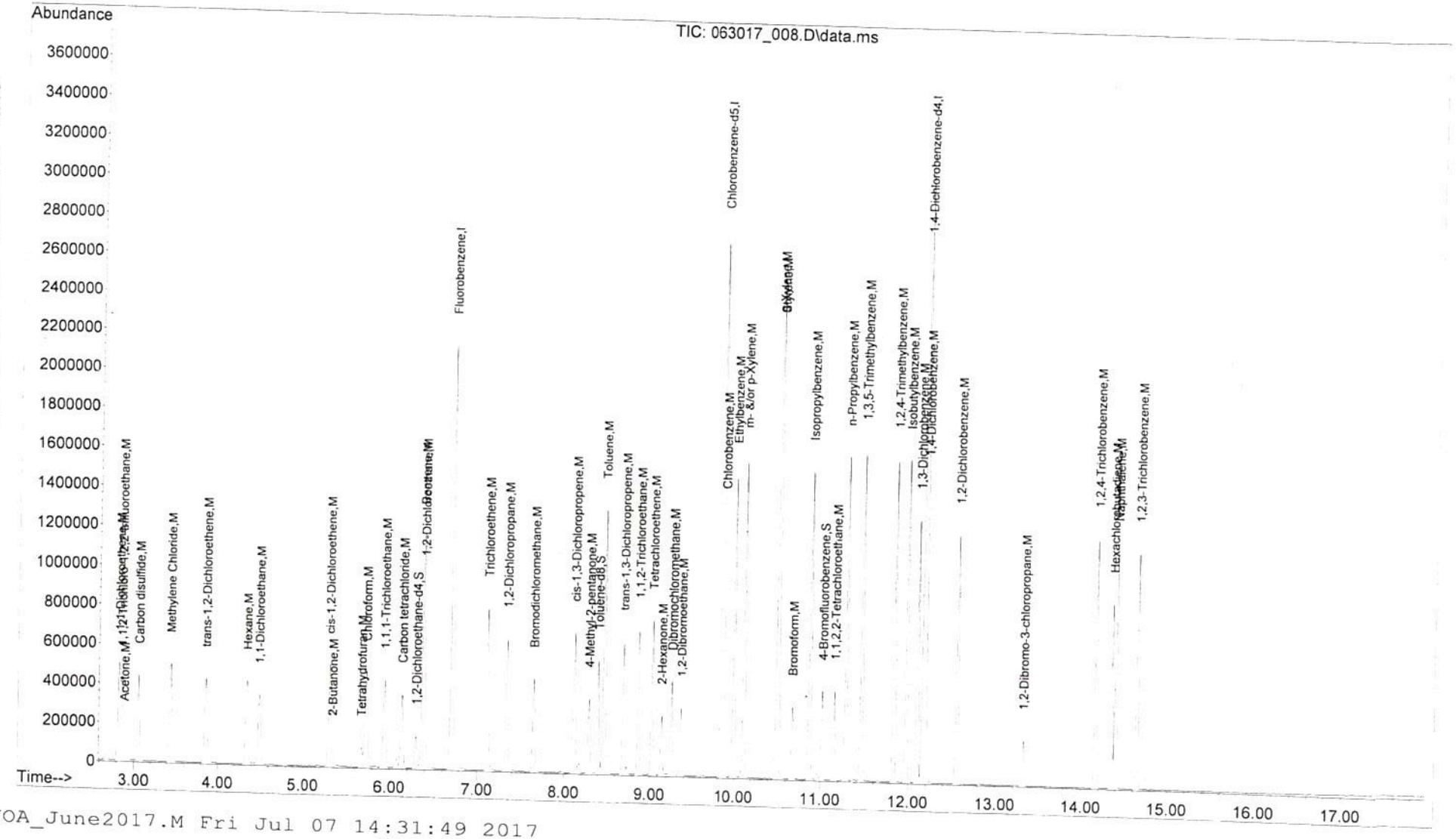
Quant Time: Jul 07 14:31:34 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.71	96	1941755	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1444420	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	763301	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	112771	50.35 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.70%		
25) Toluene-d8	8.40	98	367940	50.33 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.66%		
41) 4-Bromofluorobenzene	11.01	174	120719	49.88 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.76%		
Target Compounds					Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.86	151	145673	101.35 ng	97
3) 1,1-Dichloroethene	2.82	96	181374	105.47 ng	92
4) Acetone	2.89	58	49067	158.84 ng	90
5) Carbon disulfide	3.06	76	612228	104.90 ng	100
6) Methylene Chloride	3.44	84	256562	119.25 ng	90
7) trans-1,2-Dichloroethene	3.86	96	202555	100.94 ng	95
8) Hexane	4.34	57	250060	128.06 ng	93
9) 1,1-Dichloroethane	4.49	63	404389	106.97 ng	99
10) cis-1,2-Dichloroethene	5.31	96	243142	106.07 ng	96
11) 2-Butanone	5.35	72	26453	93.46 ng	90
12) Chloroform	5.73	83	382872	105.51 ng	99
13) Tetrahydrofuran	5.68	42	69759	106.18 ng	91
14) 1,1,1-Trichloroethane	5.93	97	293016	99.22 ng	98
15) Carbon tetrachloride	6.14	117	240176	94.89 ng	98
17) Benzene	6.37	78	867739	101.05 ng	97
18) 1,2-Dichloroethane	6.39	62	333340	112.75 ng	99
19) Trichloroethene	7.12	95	268497	120.04 ng	98
20) 1,2-Dichloropropane	7.34	63	253234	114.62 ng	100
21) Bromodichloromethane	7.64	83	290625	102.40 ng	100
23) cis-1,3-Dichloropropene	8.12	75	384798	107.93 ng	91
24) 4-Methyl-2-pentanone	8.29	58	91531	109.53 ng	91
26) Toluene	8.46	92	537482	104.66 ng	95
27) trans-1,3-Dichloropropene	8.69	75	341579	103.73 ng	92
28) 1,1,2-Trichloroethane	8.87	83	195653	112.82 ng	98
29) Tetrachloroethene	9.02	164	178506	109.41 ng	96
30) 2-Hexanone	9.14	43	189167	111.56 ng	93
31) Dibromochloromethane	9.26	129	229950	107.10 ng	97
32) 1,2-Dibromoethane	9.36	107	230095	112.60 ng	99
33) Chlorobenzene	9.87	112	617846	104.11 ng	99
34) Ethylbenzene	9.99	91	1040981	105.64 ng	97
35) m- &/or p-Xylene	10.11	106	411300	108.51 ng	98
36) o-Xylene	10.50	106	406490	108.30 ng	97
37) Styrene	10.51	104	678310	103.45 ng	97
38) Bromoform	10.67	173	162434	97.47 ng	98
40) Isopropylbenzene	10.87	105	975290	105.52 ng	98
42) 1,1,2,2-Tetrachloroethane	11.15	83	211653	88.13 ng	98
43) n-Propylbenzene	11.28	91	1211778	109.50 ng	97
44) 1,3,5-Trimethylbenzene	11.46	105	870904	108.13 ng	99
45) 1,2,4-Trimethylbenzene	11.83	105	870461	106.52 ng	98
46) Isobutylbenzene	11.97	91	913006	115.54 ng	99

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_008.D
Acq On : 30 Jun 2017 6:08 pm
Operator : AH
Sample : NE39222 SPIKE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 07 14:31:34 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



VOA_June2017.M Fri Jul 07 14:31:49 2017

MH VP1262 07/20/2017

D:\Data\Angie\VP1262\063017_009.D

Project Number: VP1262
Operator: AH
Date Acquired: 6/30/2017 18:33
Data File Name: **063017_009.D**
Sample Name: NE39155

uL purged = **5000.00**

mL of Sample in 50 mL water= **50.000**

Total Volume (mL) = **50.0**
Total Purge Vol (mL)= **5.000**

	COMPOUND	Amount ng	Concentration mg/L	Limit of Quantitation ng	Limit of Quantitation mg/L
2	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00	ND	5	0.00100
3	1,1-Dichloroethene	0.00	ND	5	0.00100
4	Acetone	0.00	ND	10	0.00200
5	Carbon disulfide	0.30	ND	5	0.00100
6	Methylene Chloride	30.52	0.006	5	0.00100
7	trans-1,2-Dichloroethene	0.00	ND	5	0.00100
8	Hexane	0.00	ND	5	0.00100
9	1,1-Dichloroethane	0.00	ND	5	0.00100
10	cis-1,2-Dichloroethene	0.00	ND	5	0.00100
11	2-Butanone	0.00	ND	5	0.00100
12	Chloroform	0.00	ND	5	0.00100
13	Tetrahydrofuran	0.00	ND	5	0.00100
14	1,1,1-Trichloroethane	0.00	ND	5	0.00100
15	Carbon tetrachloride	0.00	ND	5	0.00100
17	Benzene	0.00	ND	5	0.00100
18	1,2-Dichloroethane	0.00	ND	5	0.00100
19	Trichloroethene	0.00	ND	5	0.00100
20	1,2-Dichloropropane	0.00	ND	5	0.00100
21	Bromodichloromethane	0.00	ND	5	0.00100
23	cis-1,3-Dichloropropene	0.00	ND	5	0.00100
24	4-Methyl-2-pentanone	4.23	ND	5	0.00100
26	Toluene	0.00	ND	5	0.00100
27	trans-1,3-Dichloropropene	0.00	ND	5	0.00100
28	1,1,2-Trichloroethane	0.00	ND	5	0.00100
29	Tetrachloroethene	0.72	ND	5	0.00100
30	2-Hexanone	2.20	ND	5	0.00100
31	Dibromochloromethane	0.00	ND	5	0.00100
32	1,2-Dibromoethane	0.00	ND	5	0.00100
33	Chlorobenzene	0.00	ND	5	0.00100
34	Ethylbenzene	0.34	ND	5	0.00100
35	m- &/or p-Xylene	2.64	ND	5	0.00100
36	o-Xylene	0.50	ND	5	0.00100
37	Styrene	3.33	ND	5	0.00100
38	Bromoform	0.00	ND	5	0.00100
39	1,4-Dichlorobenzene-d4	250.00	0.050	5	0.00100
41	4-Bromofluorobenzene	50.94	0.010	5	0.00100
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	0.00100
43	n-Propylbenzene	0.39	ND	5	0.00100
44	1,3,5-Trimethylbenzene	1.61	ND	5	0.00100
45	1,2,4-Trimethylbenzene	1.79	ND	5	0.00100
46	Isobutylbenzene	1.65	ND	5	0.00100
47	1,3-Dichlorobenzene	0.57	ND	5	0.00100
48	1,4-Dichlorobenzene	0.72	ND	5	0.00100
49	1,2-Dichlorobenzene	0.43	ND	5	0.00100
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	0.00100
51	1,2,4-Trichlorobenzene	1.65	ND	5	0.00100
52	Hexachlorobutadiene	2.87	ND	5	0.00100
53	Naphthalene	4.10	ND	5	0.00100

Conc=((Sample amt (ng)/Total Purge Volume (mL))*(Total Volume (mL)/Sample Volume (mL)))*(1mL/1000uL) ng/uL=mg/L

C:\msdchem\custrpt\VP1262AH_MG_L.CRT

7/24/2017 2:21 PM

AMH VP1262 7/24/17

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_009.D
Acq On : 30 Jun 2017 6:33 pm
Operator : AH
Sample : NE39155
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 07 14:32:18 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

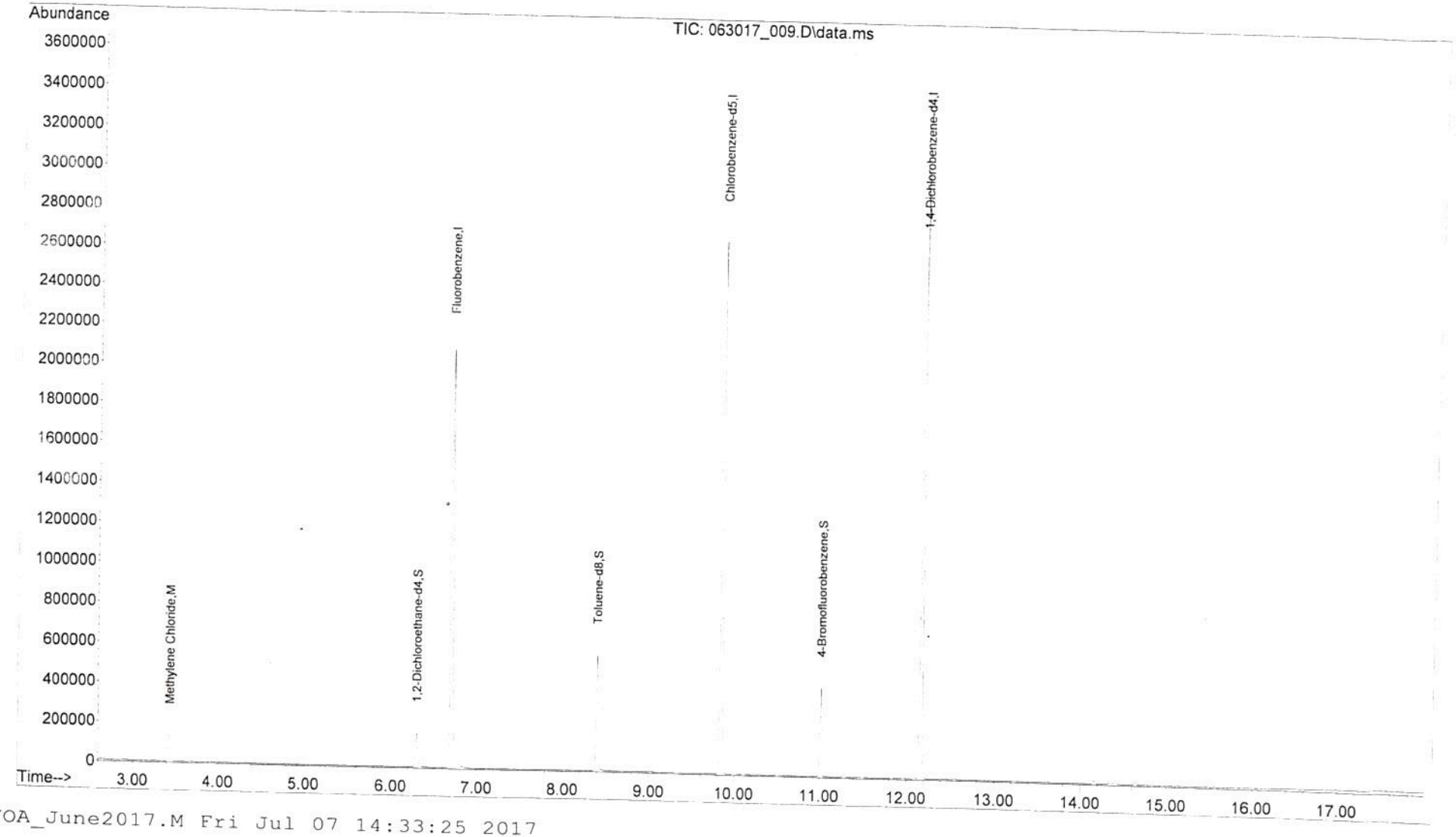
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1920897	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1437472	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	751039	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	111305	50.23	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.46%			
25) Toluene-d8	8.40	98	362650	49.85	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.70%			
41) 4-Bromofluorobenzene	11.01	174	121324	50.94	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.88%			
Target Compounds						Qvalue
6) Methylene Chloride	3.44	84	64955	30.52	ng	91

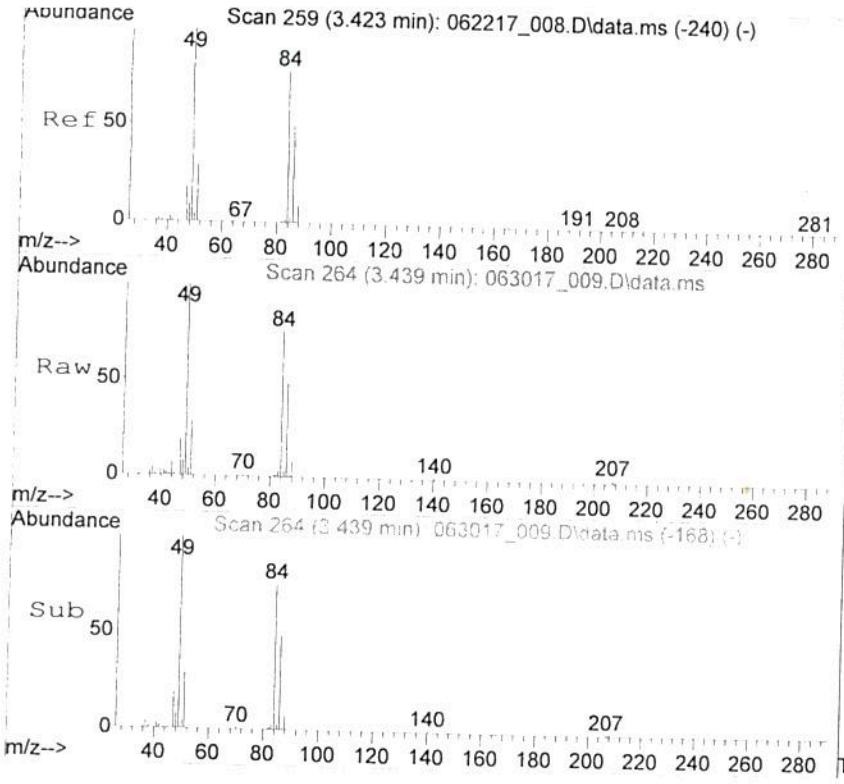
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AMH VP1262 6/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_009.D
Acq On : 30 Jun 2017 6:33 pm
Operator : AH
Sample : NE39155
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 07 14:32:18 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

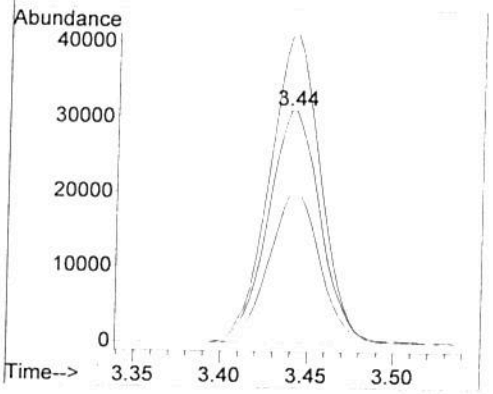




#6
Methylene Chloride
Concen: 30.52 ng
RT: 3.44 min Scan# 264
Delta R.T. -0.006 min
Lab File: 063017_009.D
Acq: 30 Jun 2017 6:33 pm

Tgt Ion: 84 Resp: 64955

Ion	Ratio	Lower	Upper
84	100		
86	64.0	50.7	76.1
49	130.5	117.4	176.0



AMH UP1212 07/20/2017

D:\Data\Angie\VP1262\063017_010.D

Project Number: VP1262
Operator: AH
Date Acquired: 6/30/2017 18:57
Data File Name: 063017_010.D
Sample Name: NE39172

uL purged = 5000.00

mL of Sample in 50 mL water= 50.000

Total Volume (mL) = 50.0
Total Purge Vol (mL)= 5.000

	COMPOUND	Amount ng	Concentration mg/L	Limit of Quantitation ng	Limit of Quantitation mg/L
2	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00	ND	5	0.00100
3	1,1-Dichloroethene	0.00	ND	5	0.00100
4	Acetone	0.00	ND	10	0.00200
5	Carbon disulfide	0.26	ND	5	0.00100
6	Methylene Chloride	3.44	ND	5	0.00100
7	trans-1,2-Dichloroethene	0.00	ND	5	0.00100
8	Hexane	0.00	ND	5	0.00100
9	1,1-Dichloroethane	0.00	ND	5	0.00100
10	cis-1,2-Dichloroethene	0.00	ND	5	0.00100
11	2-Butanone	0.00	ND	5	0.00100
12	Chloroform	0.00	ND	5	0.00100
13	Tetrahydrofuran	0.00	ND	5	0.00100
14	1,1,1-Trichloroethane	0.00	ND	5	0.00100
15	Carbon tetrachloride	0.00	ND	5	0.00100
17	Benzene	0.00	ND	5	0.00100
18	1,2-Dichloroethane	0.00	ND	5	0.00100
19	Trichloroethene	0.00	ND	5	0.00100
20	1,2-Dichloropropane	0.00	ND	5	0.00100
21	Bromodichloromethane	0.00	ND	5	0.00100
23	cis-1,3-Dichloropropene	0.00	ND	5	0.00100
24	4-Methyl-2-pentanone	3.12	ND	5	0.00100
26	Toluene	0.00	ND	5	0.00100
27	trans-1,3-Dichloropropene	0.00	ND	5	0.00100
28	1,1,2-Trichloroethane	0.00	ND	5	0.00100
29	Tetrachloroethene	0.00	ND	5	0.00100
30	2-Hexanone	0.00	ND	5	0.00100
31	Dibromochloromethane	0.00	ND	5	0.00100
32	1,2-Dibromoethane	0.00	ND	5	0.00100
33	Chlorobenzene	0.00	ND	5	0.00100
34	Ethylbenzene	0.32	ND	5	0.00100
35	m- &/or p-Xylene	1.67	ND	5	0.00100
36	o-Xylene	0.00	ND	5	0.00100
37	Styrene	0.00	ND	5	0.00100
38	Bromoform	0.00	ND	5	0.00100
39	1,4-Dichlorobenzene-d4	250.00	0.050	5	0.00100
41	4-Bromofluorobenzene	49.54	0.010	5	0.00100
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	0.00100
43	n-Propylbenzene	0.13	ND	5	0.00100
44	1,3,5-Trimethylbenzene	1.43	ND	5	0.00100
45	1,2,4-Trimethylbenzene	0.00	ND	5	0.00100
46	Isobutylbenzene	1.46	ND	5	0.00100
47	1,3-Dichlorobenzene	0.27	ND	5	0.00100
48	1,4-Dichlorobenzene	0.32	ND	5	0.00100
49	1,2-Dichlorobenzene	0.00	ND	5	0.00100
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	0.00100
51	1,2,4-Trichlorobenzene	0.69	ND	5	0.00100
52	Hexachlorobutadiene	0.00	ND	5	0.00100
53	Naphthalene	3.54	ND	5	0.00100

Conc=((Sample amt (ng)/Total Purge Volume (mL))*(Total Volume (mL)/Sample Volume (mL)))*(1mL/1000uL) ng/uL=mg/L

C:\msdchem\custrpt\VP1262AH_MG_L.CRT

7/24/2017 2:22 PM

AMH VP1262 7/24/7

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_010.D
Acq On : 30 Jun 2017 6:57 pm
Operator : AH
Sample : NE39172
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 07 14:33:37 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1889560	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1405537	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	740418	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	111648	51.22	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.44%			
25) Toluene-d8	8.40	98	354133	49.78	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.56%			
41) 4-Bromofluorobenzene	11.01	174	116318	49.54	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.08%			

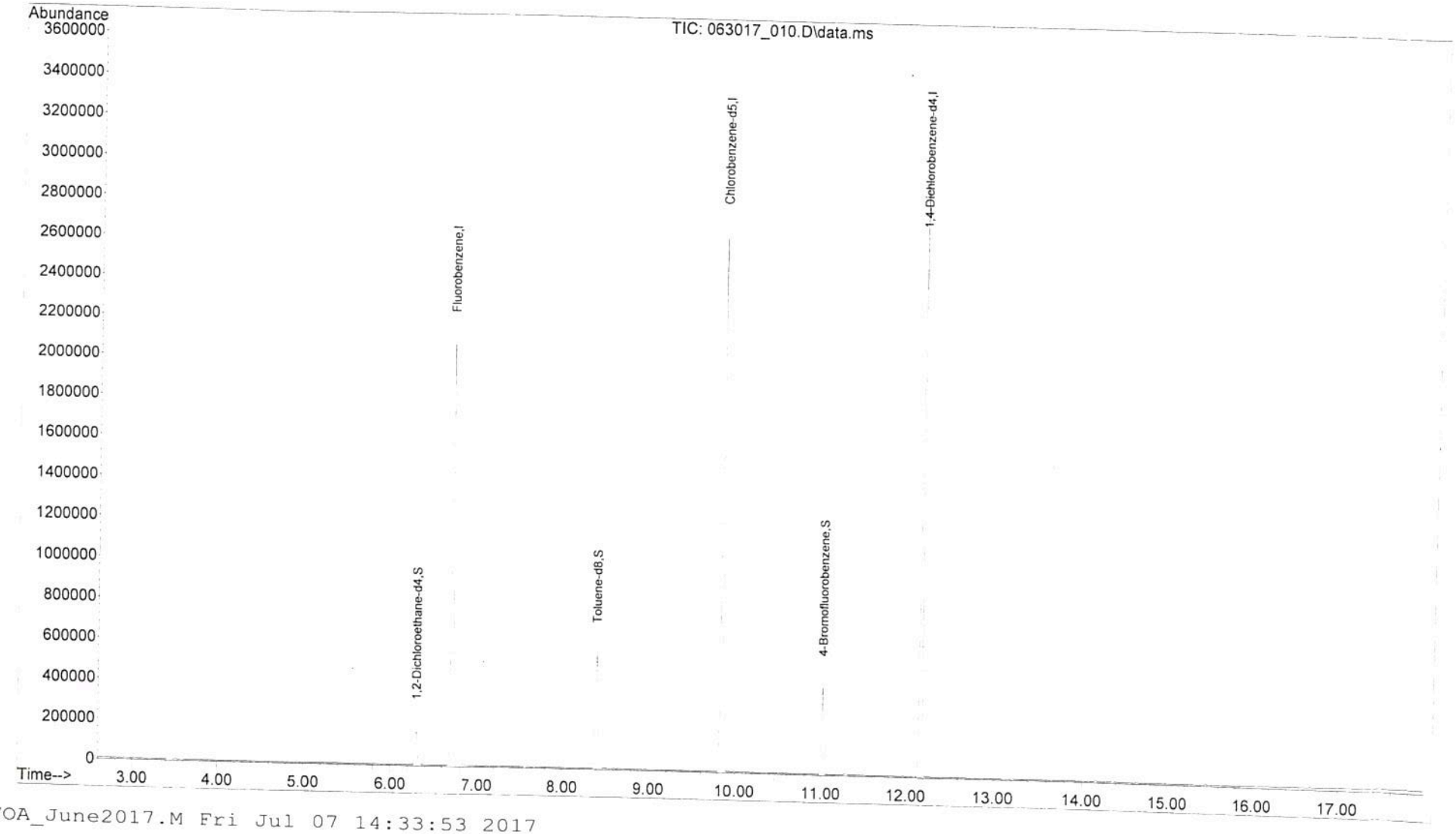
Target Compounds

	Qvalue

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

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_010.D
Acq On : 30 Jun 2017 6:57 pm
Operator : AH
Sample : NE39172
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 07 14:33:37 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



AH 06/30/2017

D:\Data\Angie\VP1262\063017_011.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/30/2017 19:22	uL purged =	5000.00
Data File Name:	**063017_011.D**		
Sample Name:	NE39173		
		Total Volume (mL) =	**50.0**
mL of Sample in 50 mL water=	**50.000**	**Total Purge Vol (mL)=**	**5.000**

	COMPOUND	Amount ng	Concentration mg/L	Limit of Quantitation ng	mg/L
2	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00	ND	5	0.00100
3	1,1-Dichloroethene	0.00	ND	5	0.00100
4	Acetone	0.00	ND	10	0.00200
5	Carbon disulfide	0.00	ND	5	0.00100
6	Methylene Chloride	2.94	ND	5	0.00100
7	trans-1,2-Dichloroethene	0.00	ND	5	0.00100
8	Hexane	0.00	ND	5	0.00100
9	1,1-Dichloroethane	0.00	ND	5	0.00100
10	cis-1,2-Dichloroethene	0.00	ND	5	0.00100
11	2-Butanone	0.00	ND	5	0.00100
12	Chloroform	0.00	ND	5	0.00100
13	Tetrahydrofuran	0.00	ND	5	0.00100
14	1,1,1-Trichloroethane	0.00	ND	5	0.00100
15	Carbon tetrachloride	0.00	ND	5	0.00100
17	Benzene	0.00	ND	5	0.00100
18	1,2-Dichloroethane	0.00	ND	5	0.00100
19	Trichloroethene	0.00	ND	5	0.00100
20	1,2-Dichloropropane	0.00	ND	5	0.00100
21	Bromodichloromethane	0.00	ND	5	0.00100
23	cis-1,3-Dichloropropene	0.00	ND	5	0.00100
24	4-Methyl-2-pentanone	3.51	ND	5	0.00100
26	Toluene	0.00	ND	5	0.00100
27	trans-1,3-Dichloropropene	0.00	ND	5	0.00100
28	1,1,2-Trichloroethane	0.00	ND	5	0.00100
29	Tetrachloroethene	0.00	ND	5	0.00100
30	2-Hexanone	0.00	ND	5	0.00100
31	Dibromochloromethane	0.00	ND	5	0.00100
32	1,2-Dibromoethane	0.00	ND	5	0.00100
33	Chlorobenzene	0.00	ND	5	0.00100
34	Ethylbenzene	0.29	ND	5	0.00100
35	m- &/or p-Xylene	0.00	ND	5	0.00100
36	o-Xylene	0.00	ND	5	0.00100
37	Styrene	0.00	ND	5	0.00100
38	Bromoform	0.00	ND	5	0.00100
39	1,4-Dichlorobenzene-d4	250.00	0.050	5	0.00100
41	4-Bromofluorobenzene	48.15	0.010	5	0.00100
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	0.00100
43	n-Propylbenzene	0.00	ND	5	0.00100
44	1,3,5-Trimethylbenzene	0.00	ND	5	0.00100
45	1,2,4-Trimethylbenzene	0.00	ND	5	0.00100
46	Isobutylbenzene	1.58	ND	5	0.00100
47	1,3-Dichlorobenzene	0.00	ND	5	0.00100
48	1,4-Dichlorobenzene	0.00	ND	5	0.00100
49	1,2-Dichlorobenzene	0.00	ND	5	0.00100
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	0.00100
51	1,2,4-Trichlorobenzene	0.00	ND	5	0.00100
52	Hexachlorobutadiene	0.00	ND	5	0.00100
53	Naphthalene	3.40	ND	5	0.00100

Conc=((Sample amt (ng)/Total Purge Volume (mL))*(Total Volume (mL)/Sample Volume (mL)))*(1mL/1000uL) ng/uL=mg/L

AMH VP1262 7/24/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_011.D
Acq On : 30 Jun 2017 7:22 pm
Operator : AH
Sample : NE39173
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 07 14:34:23 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1928988	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1440311	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	755093	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	114032	51.25	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.50%			
25) Toluene-d8	8.40	98	360416	49.44	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.88%			
41) 4-Bromofluorobenzene	11.01	174	115292	48.15	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.30%			

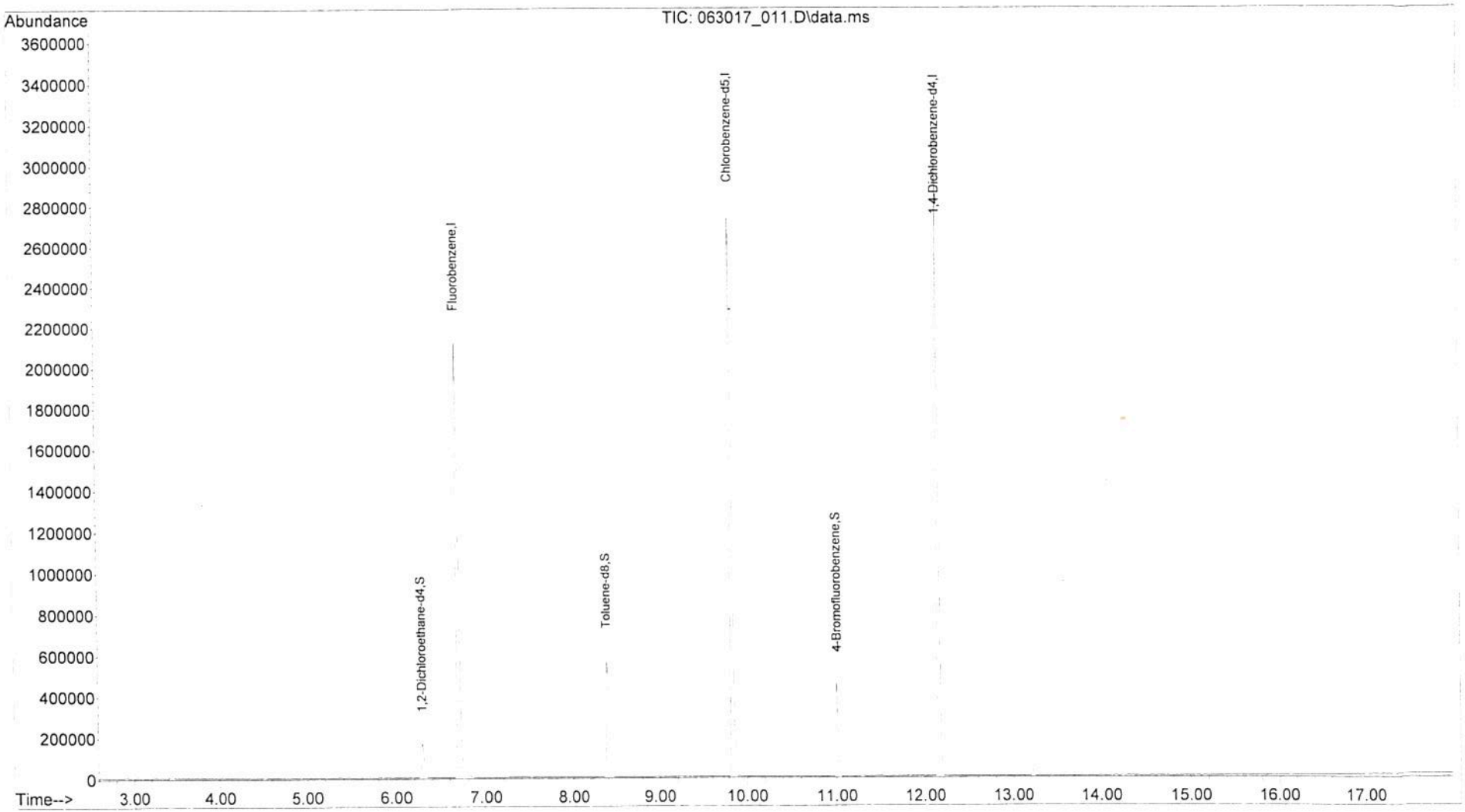
Target Compounds Qvalue

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_011.D
Acq On : 30 Jun 2017 7:22 pm
Operator : AH
Sample : NE39173
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 07 14:34:23 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



AHH VP1262 07/20/2017

D:\Data\Angie\VP1262\063017_012.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/30/2017 19:46	uL purged =	5000.00
Data File Name:	**063017_012.D**		
Sample Name:	NE39187		
		Total Volume (mL) =	**50.0**
mL of Sample in 50 mL water=	**50.000**	**Total Purge Vol (mL)=**	**5.000**

	COMPOUND	Amount ng	Concentration mg/L	Limit of Quantitation ng	mg/L
2	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00	ND	5	0.00100
3	1,1-Dichloroethene	0.00	ND	5	0.00100
4	Acetone	0.00	ND	10	0.00200
5	Carbon disulfide	0.00	ND	5	0.00100
6	Methylene Chloride	4.21	ND	5	0.00100
7	trans-1,2-Dichloroethene	0.00	ND	5	0.00100
8	Hexane	0.00	ND	5	0.00100
9	1,1-Dichloroethane	0.00	ND	5	0.00100
10	cis-1,2-Dichloroethene	0.00	ND	5	0.00100
11	2-Butanone	0.00	ND	5	0.00100
12	Chloroform	0.00	ND	5	0.00100
13	Tetrahydrofuran	0.00	ND	5	0.00100
14	1,1,1-Trichloroethane	0.00	ND	5	0.00100
15	Carbon tetrachloride	0.00	ND	5	0.00100
17	Benzene	0.00	ND	5	0.00100
18	1,2-Dichloroethane	0.00	ND	5	0.00100
19	Trichloroethene	0.00	ND	5	0.00100
20	1,2-Dichloropropane	0.00	ND	5	0.00100
21	Bromodichloromethane	0.00	ND	5	0.00100
23	cis-1,3-Dichloropropene	0.00	ND	5	0.00100
24	4-Methyl-2-pentanone	3.79	ND	5	0.00100
26	Toluene	0.00	ND	5	0.00100
27	trans-1,3-Dichloropropene	0.00	ND	5	0.00100
28	1,1,2-Trichloroethane	0.00	ND	5	0.00100
29	Tetrachloroethene	0.00	ND	5	0.00100
30	2-Hexanone	0.00	ND	5	0.00100
31	Dibromochloromethane	0.00	ND	5	0.00100
32	1,2-Dibromoethane	0.00	ND	5	0.00100
33	Chlorobenzene	0.00	ND	5	0.00100
34	Ethylbenzene	0.28	ND	5	0.00100
35	m- &/or p-Xylene	0.00	ND	5	0.00100
36	o-Xylene	0.00	ND	5	0.00100
37	Styrene	0.00	ND	5	0.00100
38	Bromoform	0.00	ND	5	0.00100
39	1,4-Dichlorobenzene-d4	250.00	0.050	5	0.00100
41	4-Bromofluorobenzene	50.48	0.010	5	0.00100
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	0.00100
43	n-Propylbenzene	0.00	ND	5	0.00100
44	1,3,5-Trimethylbenzene	0.00	ND	5	0.00100
45	1,2,4-Trimethylbenzene	0.00	ND	5	0.00100
46	Isobutylbenzene	1.49	ND	5	0.00100
47	1,3-Dichlorobenzene	0.00	ND	5	0.00100
48	1,4-Dichlorobenzene	0.00	ND	5	0.00100
49	1,2-Dichlorobenzene	0.00	ND	5	0.00100
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	0.00100
51	1,2,4-Trichlorobenzene	0.00	ND	5	0.00100
52	Hexachlorobutadiene	0.00	ND	5	0.00100
53	Naphthalene	0.00	ND	5	0.00100

Conc=((Sample amt (ng)/Total Purge Volume (mL))*(Total Volume (mL)/Sample Volume (mL)))*(1mL/1000uL) ng/uL=mg/L

C:\msdchem\custrpt\VP1262AH_MG_L.CRT

7/24/2017 2:23 PM

AMH VP1262 7/24/17

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_012.D
Acq On : 30 Jun 2017 7:46 pm
Operator : AH
Sample : NE39187
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 07 14:34:50 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1656789	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1228309	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	635559	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	98580	51.58	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.16%			
25) Toluene-d8	8.40	98	308394	49.61	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.22%			
41) 4-Bromofluorobenzene	11.01	174	101725	50.48	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.96%			

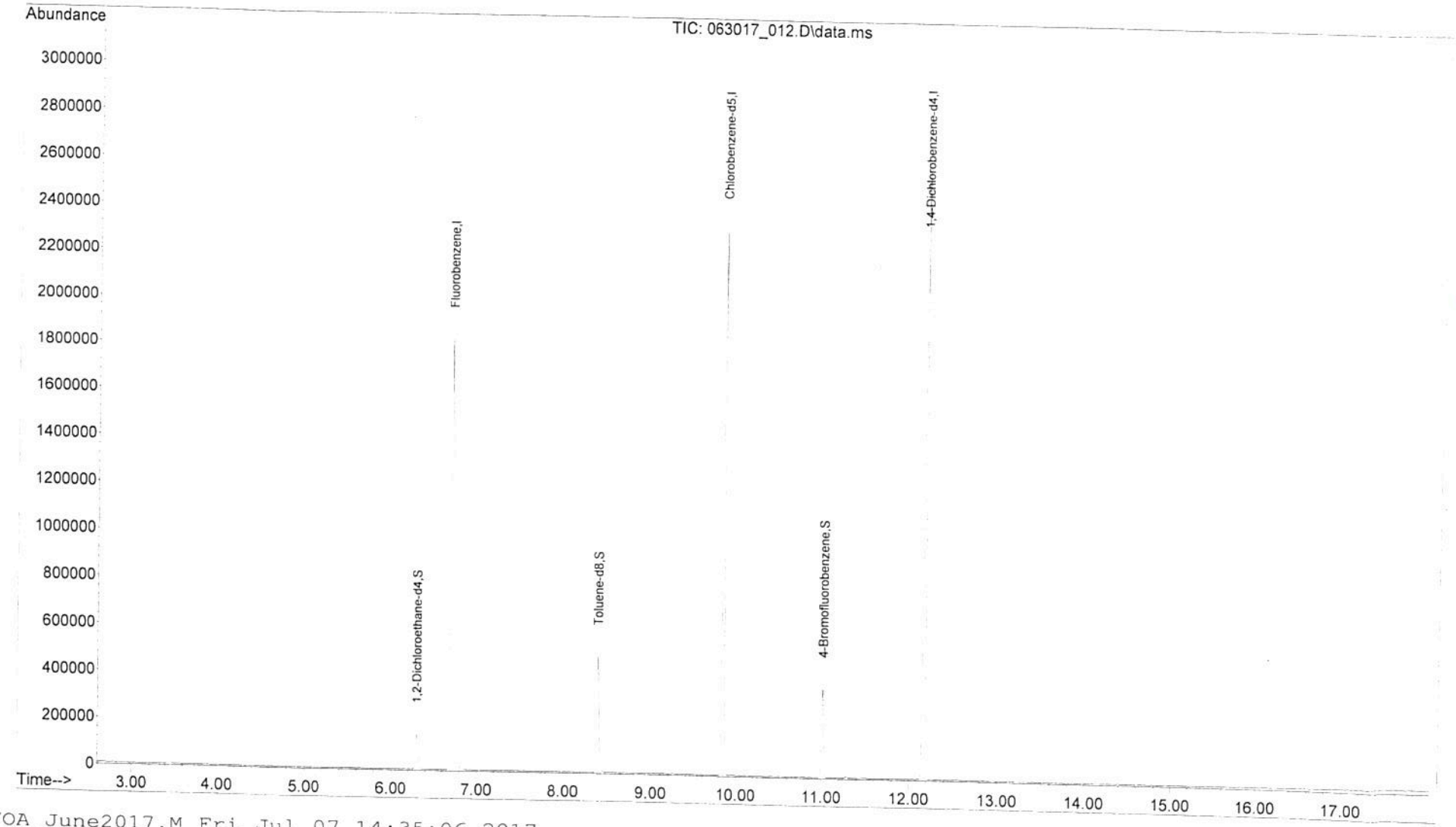
Target Compounds Qvalue

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_012.D
Acq On : 30 Jun 2017 7:46 pm
Operator : AH
Sample : NE39187
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 07 14:34:50 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



VOA_June2017.M Fri Jul 07 14:35:06 2017

AHH VP1262 07/20/2017

D:\Data\Angie\VP1262\063017_013.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/30/2017 20:10	uL purged =	5000.00
Data File Name:	**063017_013.D**		
Sample Name:	NE39208		

mL of Sample in 50 mL water= **50.000** **Total Volume (mL) =** **50.0** **Total Purge Vol (mL)=** **5.000**

	COMPOUND	Amount ng	Concentration mg/L	Limit of Quantitation ng	Limit of Quantitation mg/L
2	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00	ND	5	0.00100
3	1,1-Dichloroethene	0.00	ND	5	0.00100
4	Acetone	0.00	ND	10	0.00200
5	Carbon disulfide	0.00	ND	5	0.00100
6	Methylene Chloride	6.69	0.001	5	0.00100
7	trans-1,2-Dichloroethene	0.00	ND	5	0.00100
8	Hexane	0.00	ND	5	0.00100
9	1,1-Dichloroethane	0.00	ND	5	0.00100
10	cis-1,2-Dichloroethene	0.00	ND	5	0.00100
11	2-Butanone	0.00	ND	5	0.00100
12	Chloroform	0.00	ND	5	0.00100
13	Tetrahydrofuran	0.00	ND	5	0.00100
14	1,1,1-Trichloroethane	0.00	ND	5	0.00100
15	Carbon tetrachloride	0.00	ND	5	0.00100
17	Benzene	0.00	ND	5	0.00100
18	1,2-Dichloroethane	0.00	ND	5	0.00100
19	Trichloroethene	0.00	ND	5	0.00100
20	1,2-Dichloropropane	0.00	ND	5	0.00100
21	Bromodichloromethane	0.00	ND	5	0.00100
23	cis-1,3-Dichloropropene	0.00	ND	5	0.00100
24	4-Methyl-2-pentanone	3.23	ND	5	0.00100
26	Toluene	0.00	ND	5	0.00100
27	trans-1,3-Dichloropropene	0.00	ND	5	0.00100
28	1,1,2-Trichloroethane	0.00	ND	5	0.00100
29	Tetrachloroethene	0.00	ND	5	0.00100
30	2-Hexanone	0.00	ND	5	0.00100
31	Dibromochloromethane	0.00	ND	5	0.00100
32	1,2-Dibromoethane	0.00	ND	5	0.00100
33	Chlorobenzene	0.00	ND	5	0.00100
34	Ethylbenzene	0.29	ND	5	0.00100
35	m- &/or p-Xylene	0.00	ND	5	0.00100
36	o-Xylene	0.00	ND	5	0.00100
37	Styrene	0.00	ND	5	0.00100
38	Bromoform	0.00	ND	5	0.00100
39	1,4-Dichlorobenzene-d4	250.00	0.050	5	0.00100
41	4-Bromofluorobenzene	49.83	0.010	5	0.00100
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	0.00100
43	n-Propylbenzene	0.00	ND	5	0.00100
44	1,3,5-Trimethylbenzene	0.00	ND	5	0.00100
45	1,2,4-Trimethylbenzene	0.00	ND	5	0.00100
46	Isobutylbenzene	1.52	ND	5	0.00100
47	1,3-Dichlorobenzene	0.00	ND	5	0.00100
48	1,4-Dichlorobenzene	0.00	ND	5	0.00100
49	1,2-Dichlorobenzene	0.00	ND	5	0.00100
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	0.00100
51	1,2,4-Trichlorobenzene	0.00	ND	5	0.00100
52	Hexachlorobutadiene	0.00	ND	5	0.00100
53	Naphthalene	3.34	ND	5	0.00100

Conc=((Sample amt (ng)/Total Purge Volume (mL))*(Total Volume (mL)/Sample Volume (mL)))*(1mL/1000uL) ng/uL=mg/L

C:\msdchem\custrpt\VP1262AH_MG_L.CRT

7/24/2017 2:23 PM

AMH VP1262 7/24/17

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_013.D
Acq On : 30 Jun 2017 8:10 pm
Operator : AH
Sample : NE39208
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 07 14:35:23 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

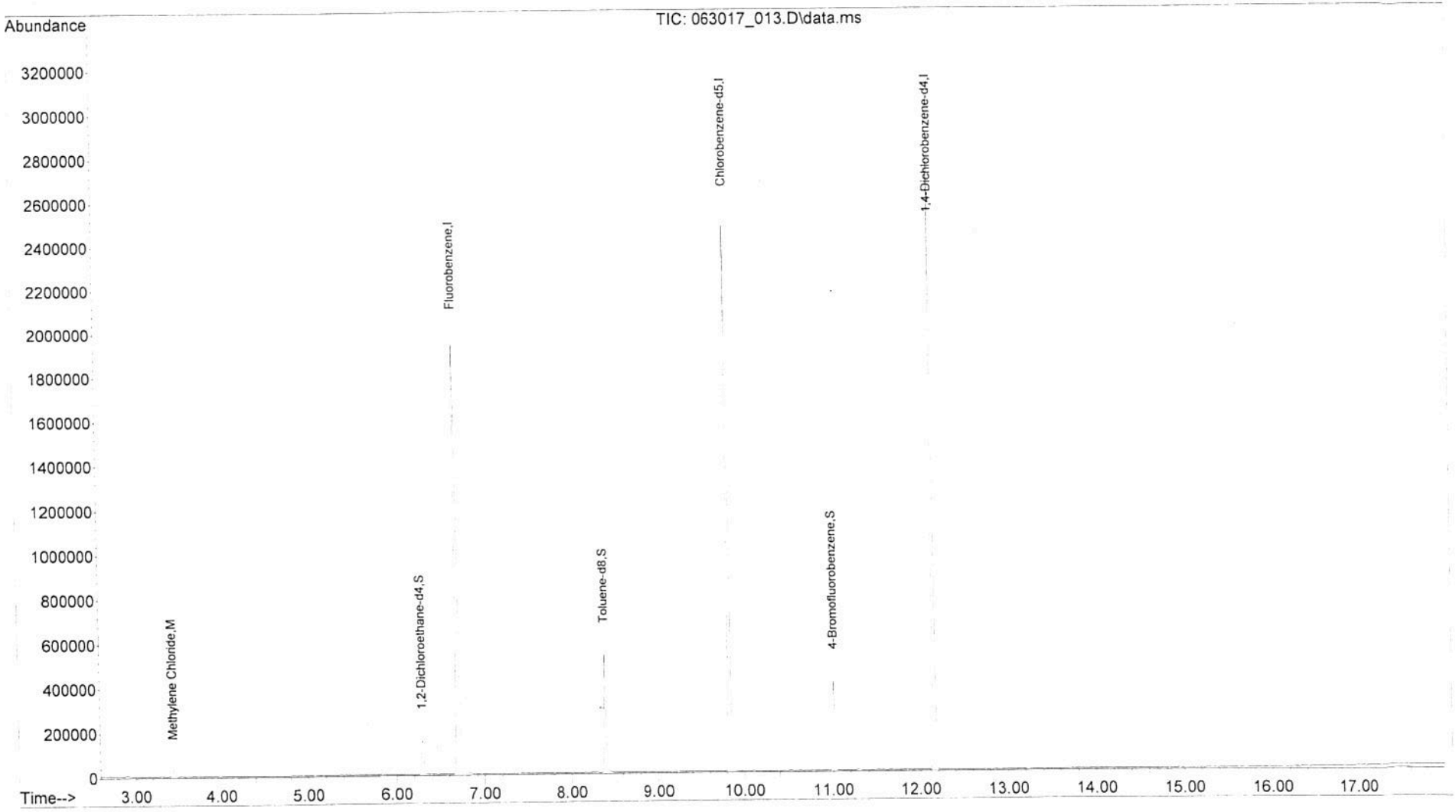
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1772586	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1330988	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	684938	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	105330	51.51	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.02%			
25) Toluene-d8	8.40	98	332800	49.40	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.80%			
41) 4-Bromofluorobenzene	11.01	174	108216	49.83	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.66%			
Target Compounds						Qvalue
6) Methylene Chloride	3.44	84	13131	6.69	ng	84

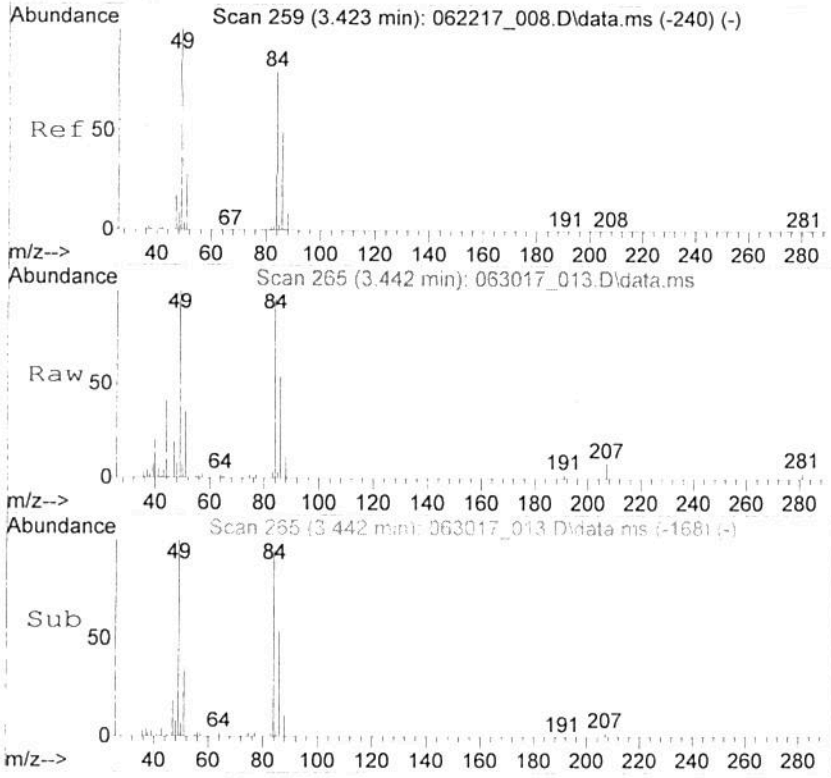
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_013.D
Acq On : 30 Jun 2017 8:10 pm
Operator : AH
Sample : NE39208
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 07 14:35:23 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

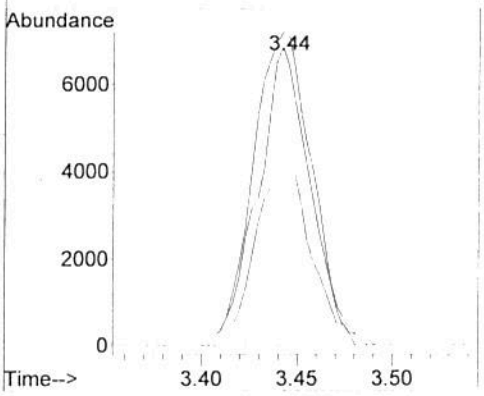




#6
Methylene Chloride
Concen: 6.69 ng
RT: 3.44 min Scan# 265
Delta R.T. -0.003 min
Lab File: 063017_013.D
Acq: 30 Jun 2017 8:10 pm

Tgt Ion: 84 Resp: 13131

Ion	Ratio	Lower	Upper
84	100		
86	63.5	50.7	76.1
49	117.7	117.4	176.0



ANH VP1262 07/20/2017

D:\Data\Angie\VP1262\063017_014.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/30/2017 20:35	uL purged =	5000.00
Data File Name:	**063017_014.D**		
Sample Name:	NE39225		

		Total Volume (mL) =	**50.0**
mL of Sample in 50 mL water=	**50.000**	**Total Purge Vol (mL)=**	**5.000**

	COMPOUND	Amount ng	Concentration mg/L	Limit of Quantitation ng	mg/L
2	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00	ND	5	0.00100
3	1,1-Dichloroethene	0.00	ND	5	0.00100
4	Acetone	0.00	ND	10	0.00200
5	Carbon disulfide	0.40	ND	5	0.00100
6	Methylene Chloride	2.18	ND	5	0.00100
7	trans-1,2-Dichloroethene	0.00	ND	5	0.00100
8	Hexane	0.00	ND	5	0.00100
9	1,1-Dichloroethane	0.00	ND	5	0.00100
10	cis-1,2-Dichloroethene	0.00	ND	5	0.00100
11	2-Butanone	0.00	ND	5	0.00100
12	Chloroform	0.00	ND	5	0.00100
13	Tetrahydrofuran	0.00	ND	5	0.00100
14	1,1,1-Trichloroethane	0.00	ND	5	0.00100
15	Carbon tetrachloride	0.00	ND	5	0.00100
17	Benzene	0.00	ND	5	0.00100
18	1,2-Dichloroethane	0.00	ND	5	0.00100
19	Trichloroethene	0.00	ND	5	0.00100
20	1,2-Dichloropropane	0.00	ND	5	0.00100
21	Bromodichloromethane	0.00	ND	5	0.00100
23	cis-1,3-Dichloropropene	0.00	ND	5	0.00100
24	4-Methyl-2-pentanone	3.19	ND	5	0.00100
26	Toluene	0.00	ND	5	0.00100
27	trans-1,3-Dichloropropene	0.00	ND	5	0.00100
28	1,1,2-Trichloroethane	0.00	ND	5	0.00100
29	Tetrachloroethene	0.00	ND	5	0.00100
30	2-Hexanone	0.00	ND	5	0.00100
31	Dibromochloromethane	0.00	ND	5	0.00100
32	1,2-Dibromoethane	0.00	ND	5	0.00100
33	Chlorobenzene	0.00	ND	5	0.00100
34	Ethylbenzene	0.29	ND	5	0.00100
35	m- &/or p-Xylene	0.00	ND	5	0.00100
36	o-Xylene	0.00	ND	5	0.00100
37	Styrene	0.00	ND	5	0.00100
38	Bromoform	0.00	ND	5	0.00100
39	1,4-Dichlorobenzene-d4	250.00	0.050	5	0.00100
41	4-Bromofluorobenzene	48.95	0.010	5	0.00100
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	0.00100
43	n-Propylbenzene	0.00	ND	5	0.00100
44	1,3,5-Trimethylbenzene	0.00	ND	5	0.00100
45	1,2,4-Trimethylbenzene	0.00	ND	5	0.00100
46	Isobutylbenzene	1.52	ND	5	0.00100
47	1,3-Dichlorobenzene	0.00	ND	5	0.00100
48	1,4-Dichlorobenzene	0.00	ND	5	0.00100
49	1,2-Dichlorobenzene	0.00	ND	5	0.00100
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	0.00100
51	1,2,4-Trichlorobenzene	0.00	ND	5	0.00100
52	Hexachlorobutadiene	0.00	ND	5	0.00100
53	Naphthalene	0.00	ND	5	0.00100

Conc=((Sample amt (ng)/Total Purge Volume (mL))*(Total Volume (mL)/Sample Volume (mL)))*(1mL/1000uL) ng/uL=mg/L

C:\msdchem\custrpt\VP1262AH_MG_L.CRT

7/24/2017 2:24 PM

AMH VP1262 7/24/17

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_014.D
Acq On : 30 Jun 2017 8:35 pm
Operator : AH
Sample : NE39225
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 07 14:36:02 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
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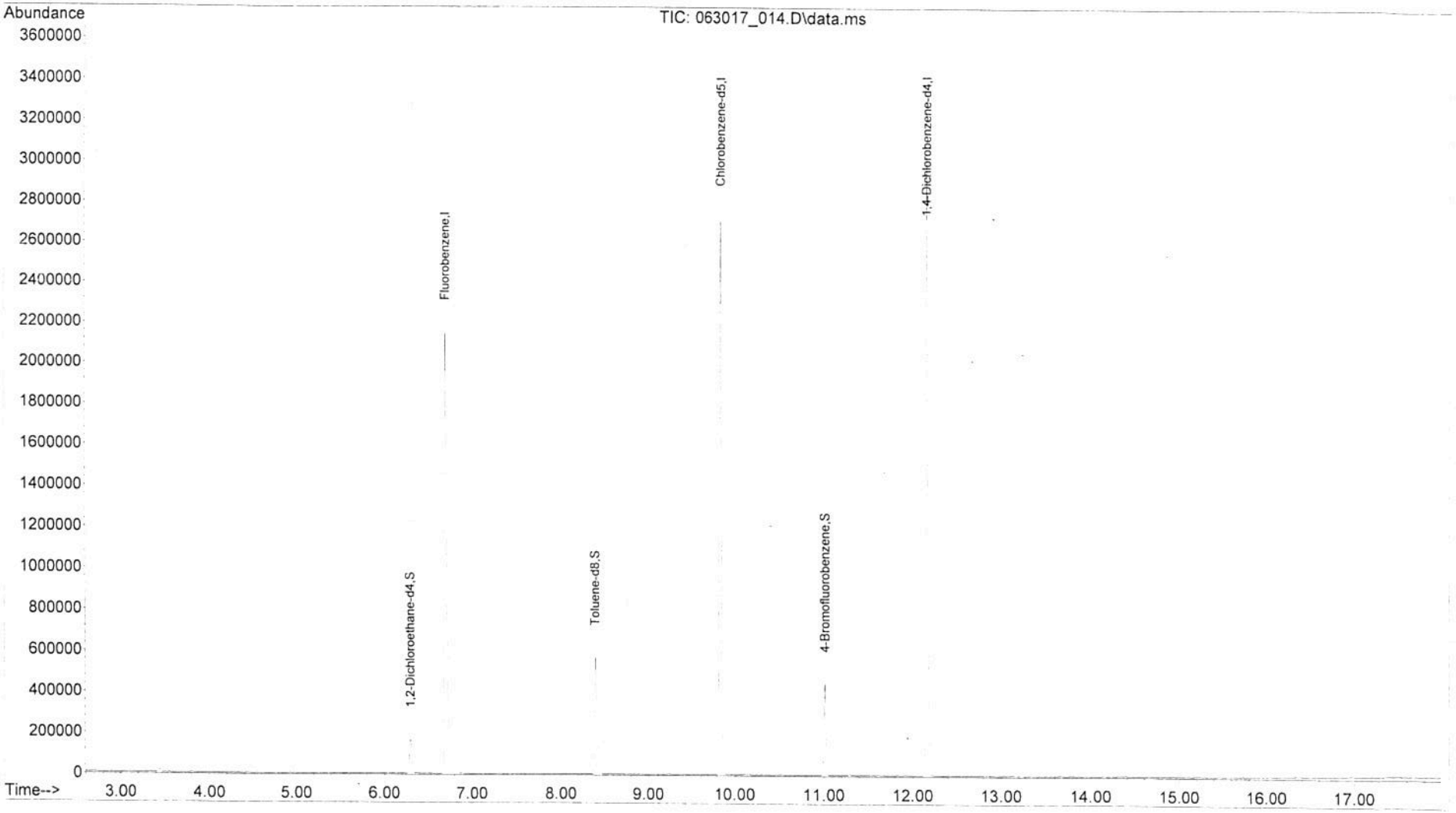
22) Chlorobenzene-d5	9.84	117	1430609	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	761580	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	110537	49.65	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.30%			
25) Toluene-d8	8.40	98	359992	49.72	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.44%			
41) 4-Bromofluorobenzene	11.01	174	118217	48.95	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.90%			

Target Compounds Qvalue

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

AHH VP1262 07-26-2017

Data Path : D:\Data\Angie\VP1262\
Data File : 063017_014.D
Acq On : 30 Jun 2017 8:35 pm
Operator : AH
Sample : NE39225
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 07 14:36:02 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration