'une File : D:\Data\Angie\VP1262\062917_001.D
'une Time : 29 Jun 2017 8:58 am

)aily Calibration File : D:\Data\Angie\VP1262\062917_001.D

ile	Sample	Surrogate Recovery % (BFB)			Internal Standard Responses		
					2039510	1516580	797578
62917_001.D	Blank	101	100	100	2039512	1516581	797578
62917_002.D	Blank	101	99	100	2025116	1507396	784967
52917_003.D	Blank	99	101	98	1994594	1490645	782636
52917_004.D	CCV-100ng	102	101	101	1867051	1414150	748919
52917_005.D	SCV-100	102	98	99	1996352	1510131	802761
52917_006.D	Blank	100	100	100	1943171	1450190	768853
2917_007.D	NE39157 OR	101	98	98	1936608	1461664	767463
2917_008.D	NE39157 DU	99	99	101	1896674	1420785	741407
2917_009.D	NE39157 TR	100	99	102	1934479	1440833	765517
2917_010.D	NE39157 SP	100	99	99	1940972	1446891	762086
2917_011.D	NE39157 SP	101	100	99	1930670	1469842	796875
2917_012.D	NE39161	101	98	100	1657066	1274498	666378
2917_013.D	NE39165	101	98	96	1947903	1460235	778501
2917_014.D	NE39169	99	97	100	1943780	1454629	761967

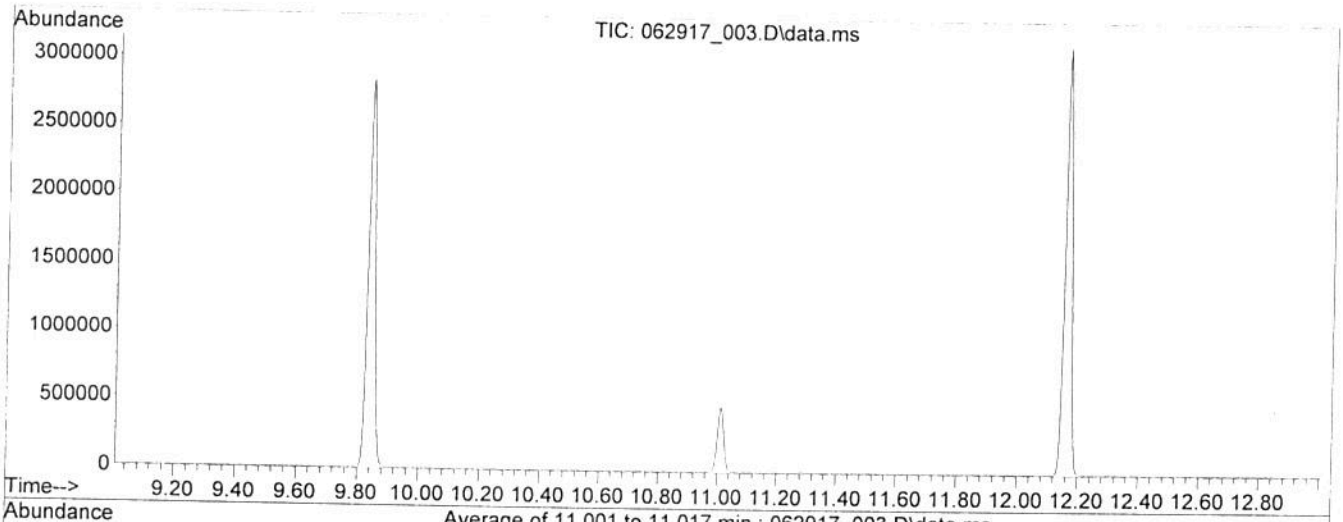
ails) - fails 12hr time check * - fails criteria

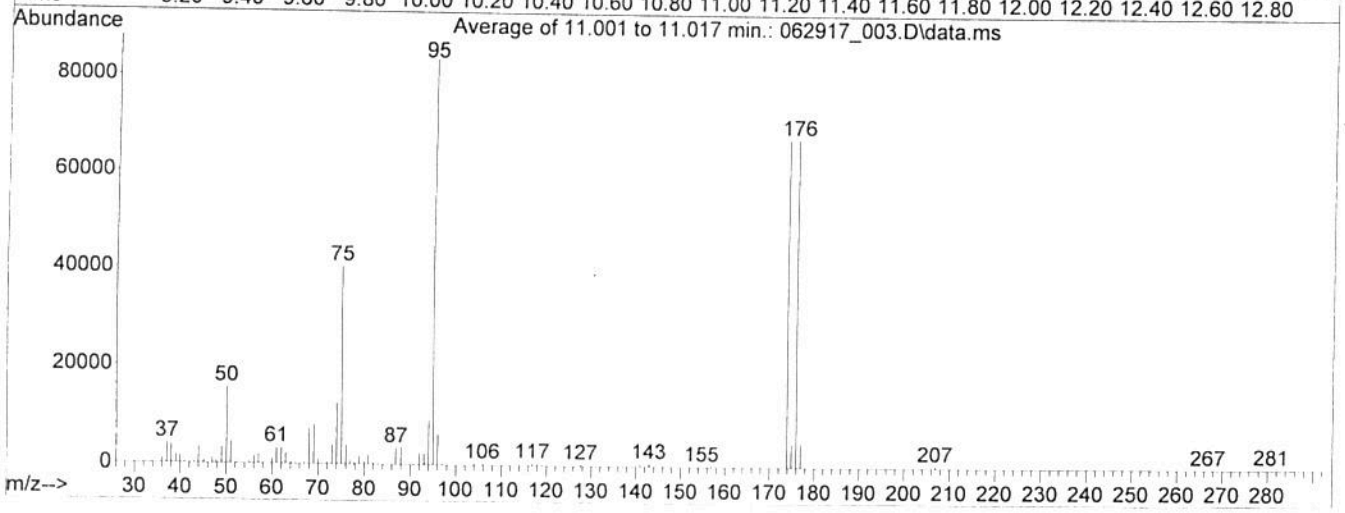
Created: Thu Jul 20 15:26:54 2017 Instrument 1

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_003.D
Acq On : 29 Jun 2017 9:47 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 3 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 11.001 to 11.017 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	15517	PASS
75	95	30	60	48.4	40567	PASS
95	95	100	100	100.0	83733	PASS
96	95	5	9	7.6	6329	PASS
173	174	0.00	2	0.3	232	PASS
174	95	50	100	80.9	67720	PASS
175	174	5	9	7.0	4748	PASS
176	174	95	101	100.2	67876	PASS
177	176	5	9	7.1	4840	PASS

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_001.D
Acq On : 29 Jun 2017 8:58 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 13:01:35 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

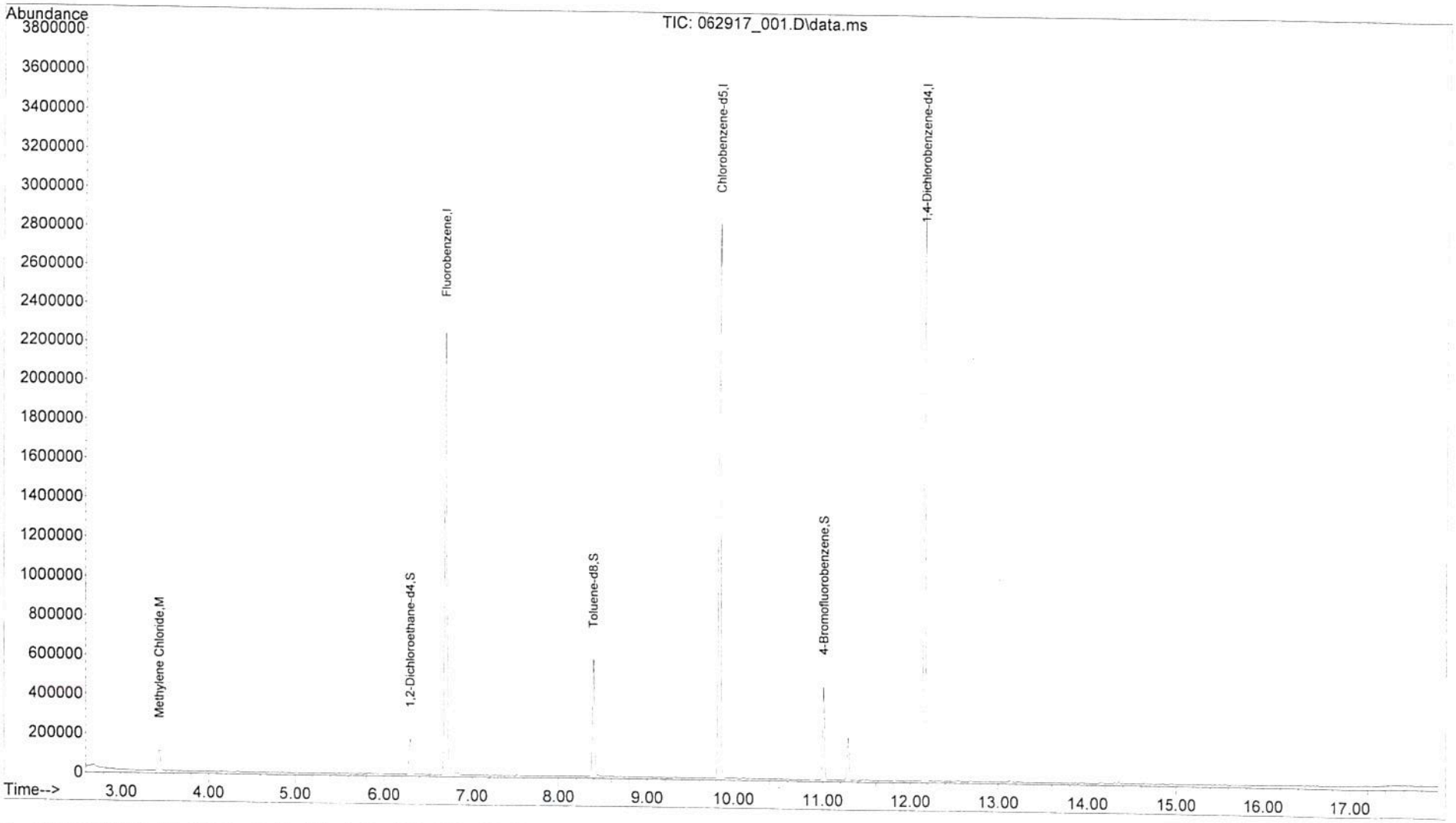
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.70	96	2039512	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1516581	250.00	ng	0.01
39) 1,4-Dichlorobenzene-d4	12.16	152	797578	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	119085	50.62	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.24%			
25) Toluene-d8	8.39	98	384661	50.12	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.24%			
41) 4-Bromofluorobenzene	11.01	174	126922	50.18	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.36%			
Target Compounds						Qvalue
6) Methylene Chloride	3.44	84	52426	23.20	ng	92

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_001.D
Acq On : 29 Jun 2017 8:58 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 13:01:35 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

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_002.D
Acq On : 29 Jun 2017 9:22 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 13:02:30 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

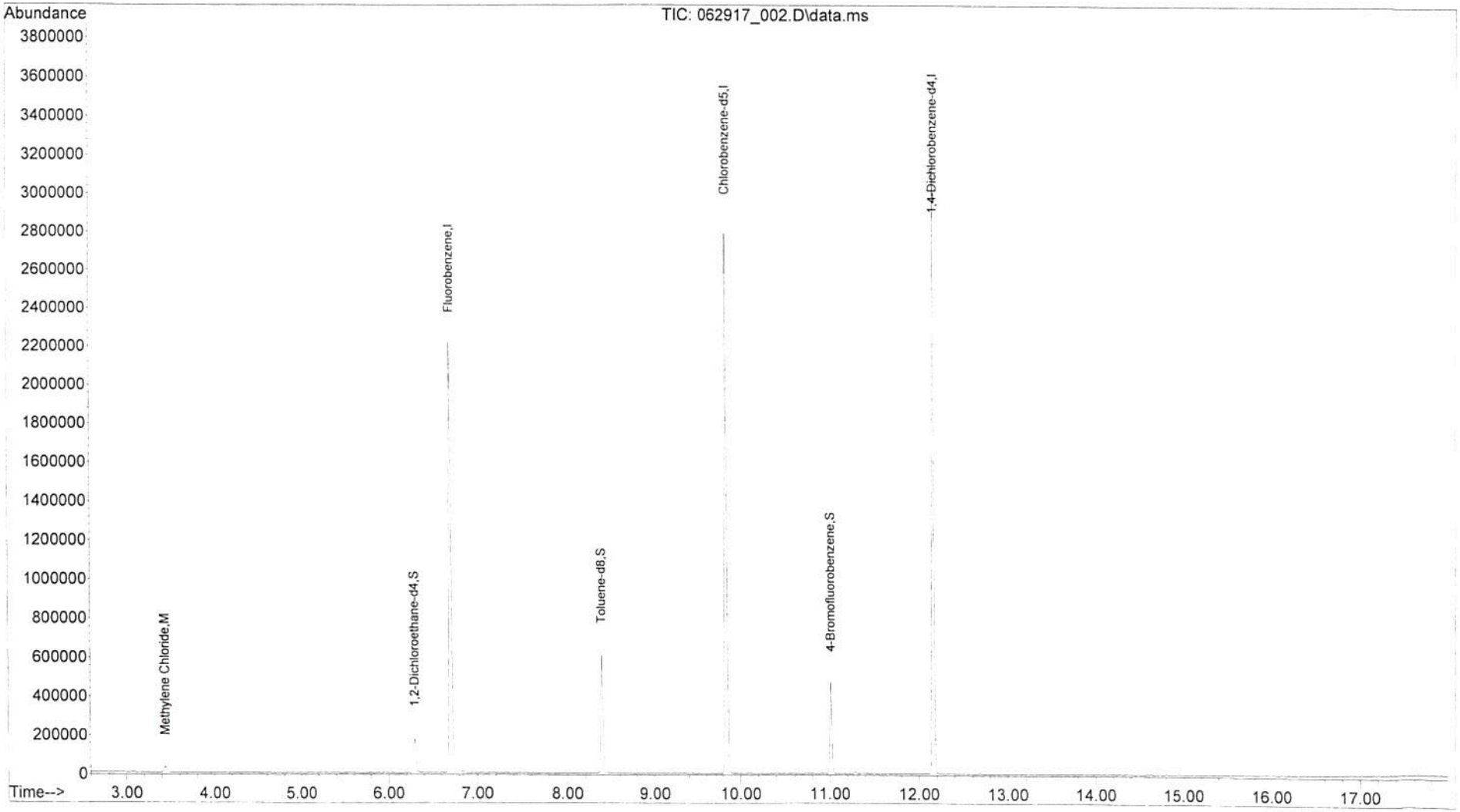
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	2025116	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1507396	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	784967	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	118488	50.72	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.44%			
25) Toluene-d8	8.40	98	377720	49.51	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.02%			
41) 4-Bromofluorobenzene	11.01	174	124113	49.86	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.72%			
Target Compounds						Qvalue
6) Methylene Chloride	3.44	84	14052	6.26	ng	87

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_002.D
Acq On : 29 Jun 2017 9:22 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 13:02:30 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 UP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_003.D
Acq On : 29 Jun 2017 9:47 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 13:03:01 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

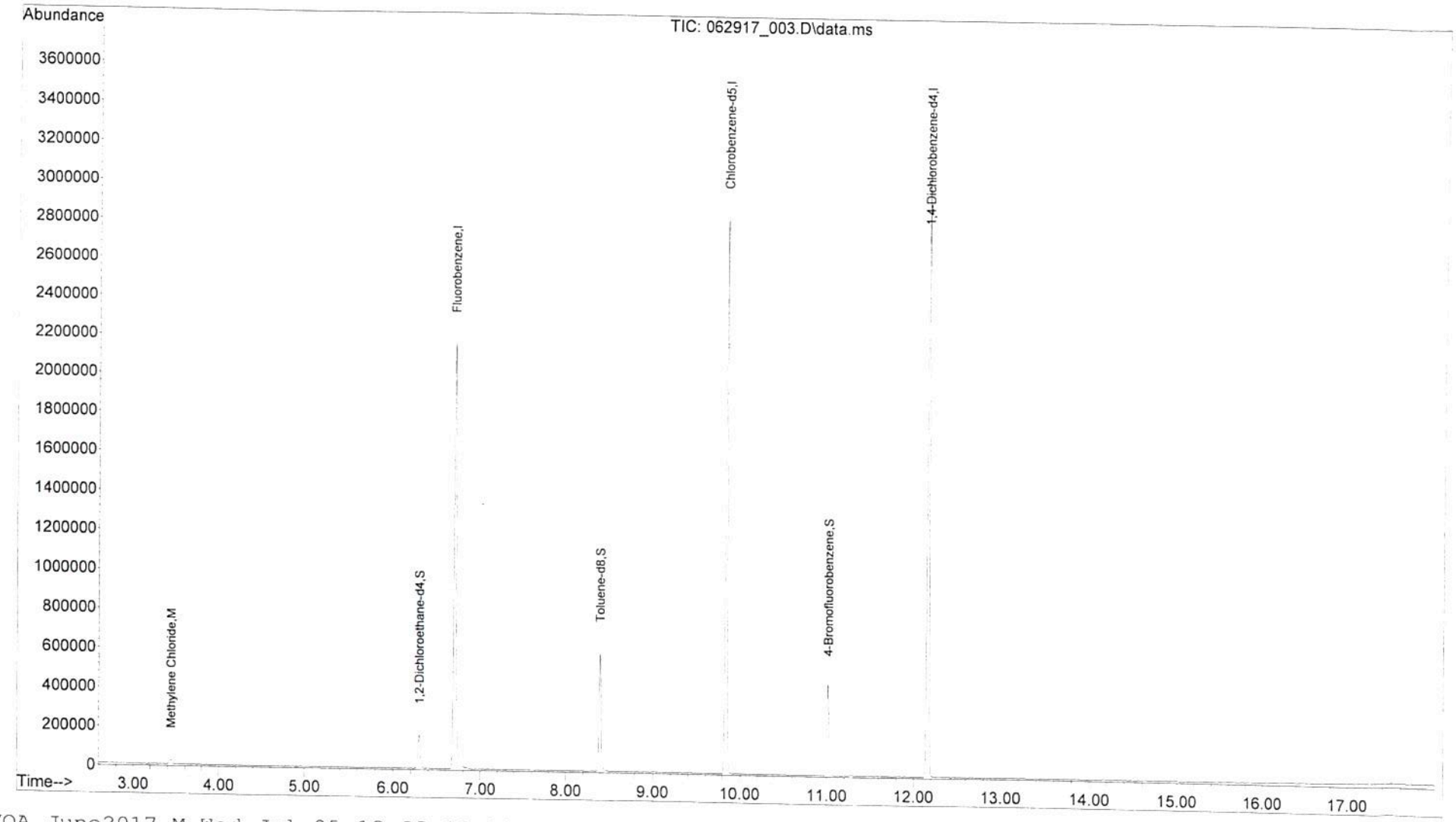
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.70	96	1994594	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1490645	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	782636	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	113606	49.37 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.74%		
25) Toluene-d8	8.40	98	381174	50.52 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.04%		
41) 4-Bromofluorobenzene	11.01	174	121383	48.91 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.82%		
Target Compounds					Qvalue
6) Methylene Chloride	3.44	84	11602	5.25 ng	87

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_003.D
Acq On : 29 Jun 2017 9:47 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 3 Sample Multiplier: 1

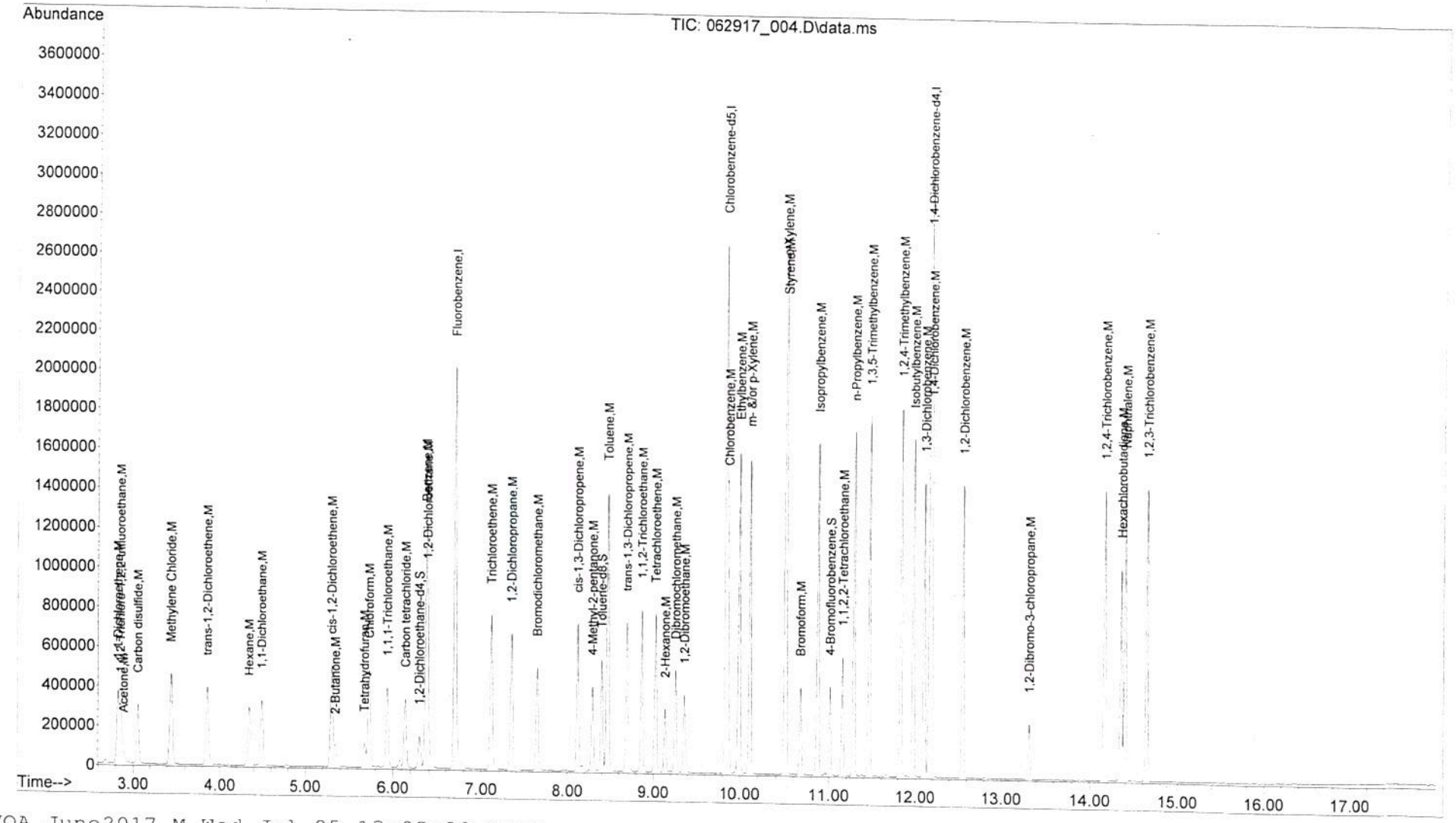
Quant Time: Jul 05 13:03:01 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration



AH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_004.D
Acq On : 29 Jun 2017 10:12 am
Operator : AH
Sample : CCV-100ng
Misc : pheno
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 05 13:04:17 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

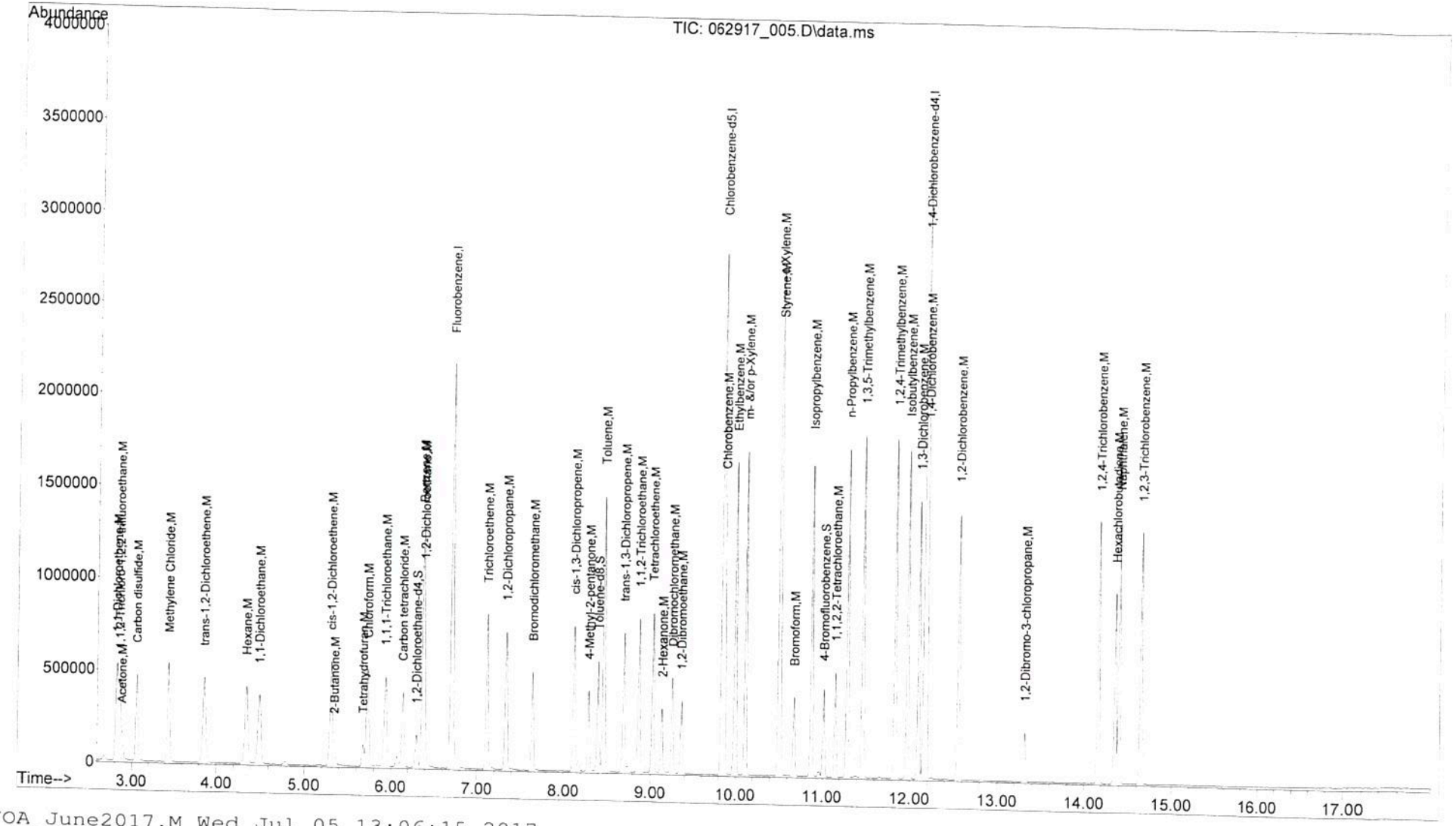


VOA_June2017.M Wed Jul 05 13:05:20 2017

GHH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_005.D
Acq On : 29 Jun 2017 10:36 am
Operator : AH
Sample : SCV-100
Misc : EE
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 13:05:38 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 Wed Jul 05 13:06:15 2017

AHH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_006.D
Acq On : 29 Jun 2017 11:01 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 13:07:01 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

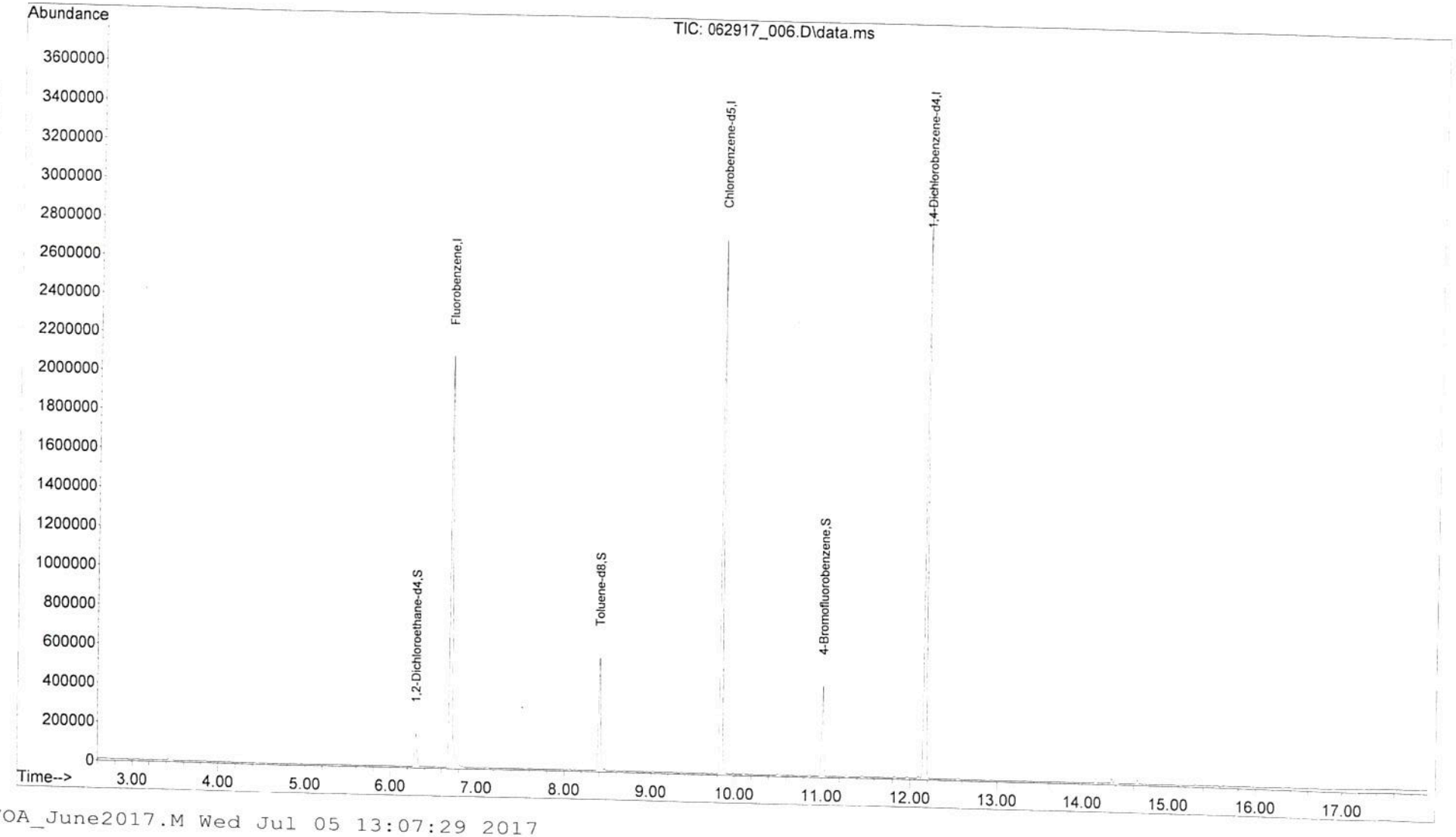
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.70	96	1943171	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1450190	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	768853	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	111758	49.86 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.72%		
25) Toluene-d8	8.40	98	367672	50.09 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.18%		
41) 4-Bromofluorobenzene	11.01	174	122274	50.15 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.30%		
Target Compounds					Qvalue
8) Hexane	4.34	57	1292	Below Cal #	23

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_006.D
Acq On : 29 Jun 2017 11:01 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 13:07:01 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



AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_007.D
Acq On : 29 Jun 2017 11:25 am
Operator : AH
Sample : ~~NE39157 ORG~~ Blank
Misc : AH 6/29/17
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 29 12:50:17 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	1936608	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1461664	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	767463	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	112514	50.36 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.72%		
25) Toluene-d8	8.40	98	362751	49.04 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.08%		
41) 4-Bromofluorobenzene	11.01	174	119692	49.18 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.36%		

Target Compounds

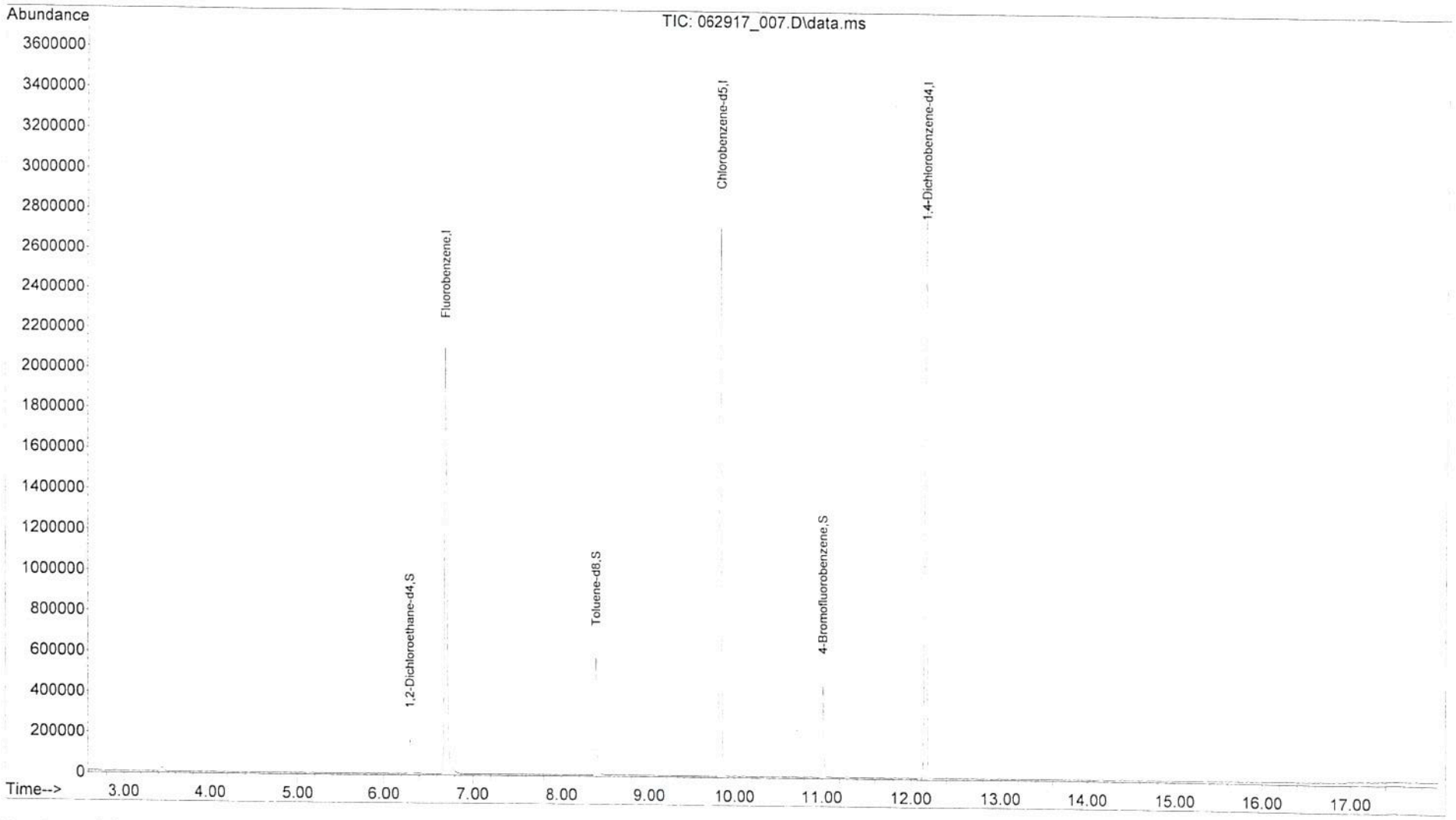
Qvalue

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

AHH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_007.D
Acq On : 29 Jun 2017 11:25 am
Operator : AH
Sample : NE39157 ORG
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 29 12:50:17 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



MH VP1262 07/20/2017

D:\Data\Angie\VP1262\062917_008.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/29/2017 11:50	uL purged =	1.00
Data File Name:	**062917_008.D**		
Sample Name:	NE39157 ~~DUP~~ ORG AH 7/24/17	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	46.36	46.360	10	10.00000
5	Carbon disulfide	0.00	ND	5	5.00000
6	Methylene Chloride	65.44	65.443	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	3.51	ND	5	5.00000
26	Toluene	0.30	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	34.83	34.828	5	5.00000
35	m- &/or p-Xylene	144.34	144.336	5	5.00000
36	o-Xylene	44.34	44.335	5	5.00000
37	Styrene	4.46	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	50.36	50.357	5	5.00000
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	5.00000
43	n-Propylbenzene	0.15	ND	5	5.00000
44	1,3,5-Trimethylbenzene	1.43	ND	5	5.00000
45	1,2,4-Trimethylbenzene	1.57	ND	5	5.00000
46	Isobutylbenzene	1.43	ND	5	5.00000
47	1,3-Dichlorobenzene	0.27	ND	5	5.00000
48	1,4-Dichlorobenzene	0.26	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	0.74	ND	5	5.00000
52	Hexachlorobutadiene	0.00	ND	5	5.00000
53	Naphthalene	3.53	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

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_008.D
Acq On : 29 Jun 2017 11:50 am
Operator : AH
Sample : NE39157 ~~DUP~~ORG AH 7/5/17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 13:08:55 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	1896674	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1420785	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	741407	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	108323	49.51 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.02%		
25) Toluene-d8	8.40	98	355020	49.37 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.74%		
41) 4-Bromofluorobenzene	11.01	174	118388	50.36 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.72%		
Target Compounds					Qvalue
4) Acetone	2.89	58	12101	46.36 ng	94
6) Methylene Chloride	3.44	84	137526	65.44 ng	88
34) Ethylbenzene	9.99	91	337582	34.83 ng	96
35) m- &/or p-Xylene	10.11	106	539865	144.34 ng	93
36) o-Xylene	10.50	106	163678	44.34 ng	93

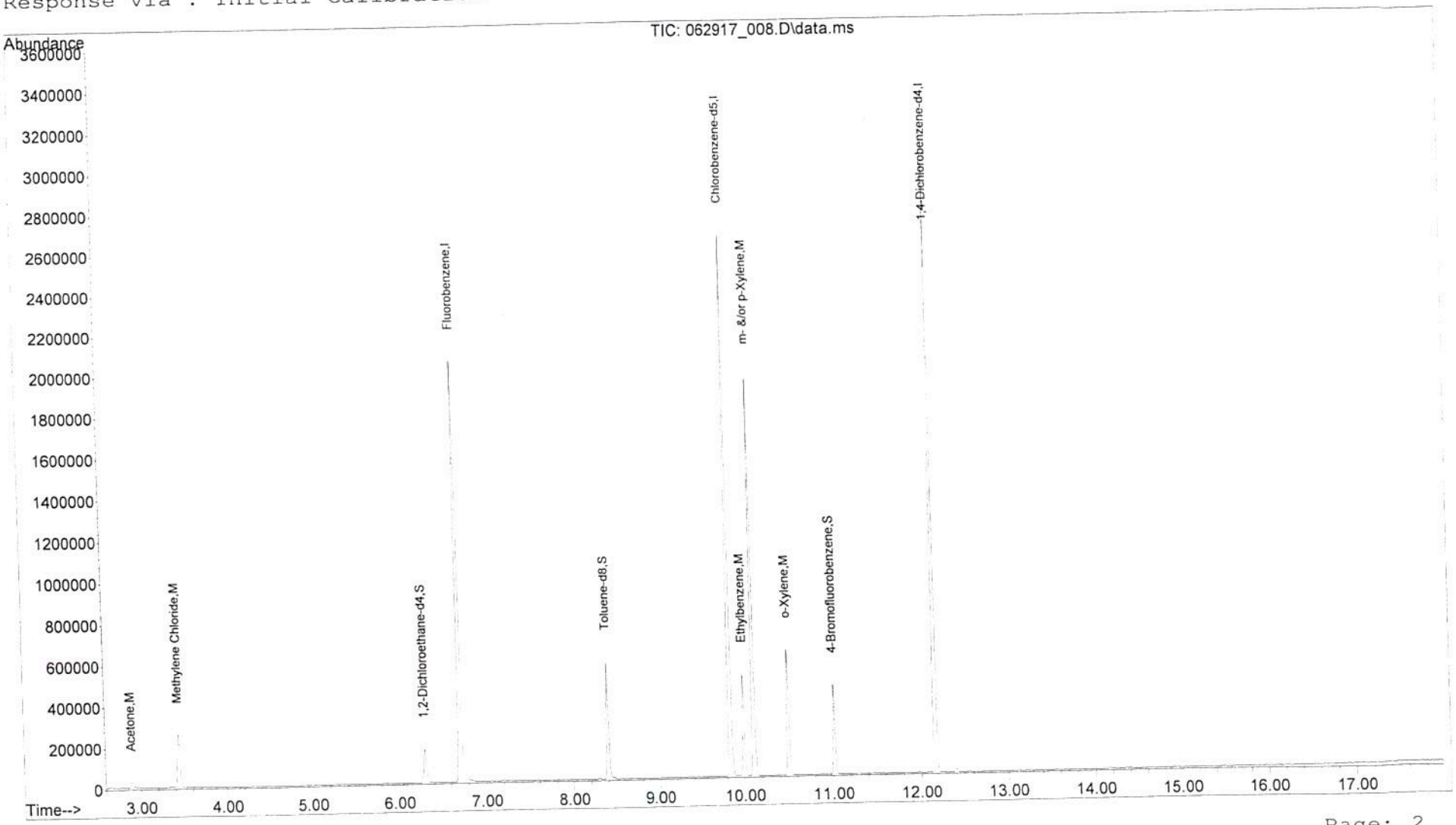
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AHH VP1262 07/20/2017

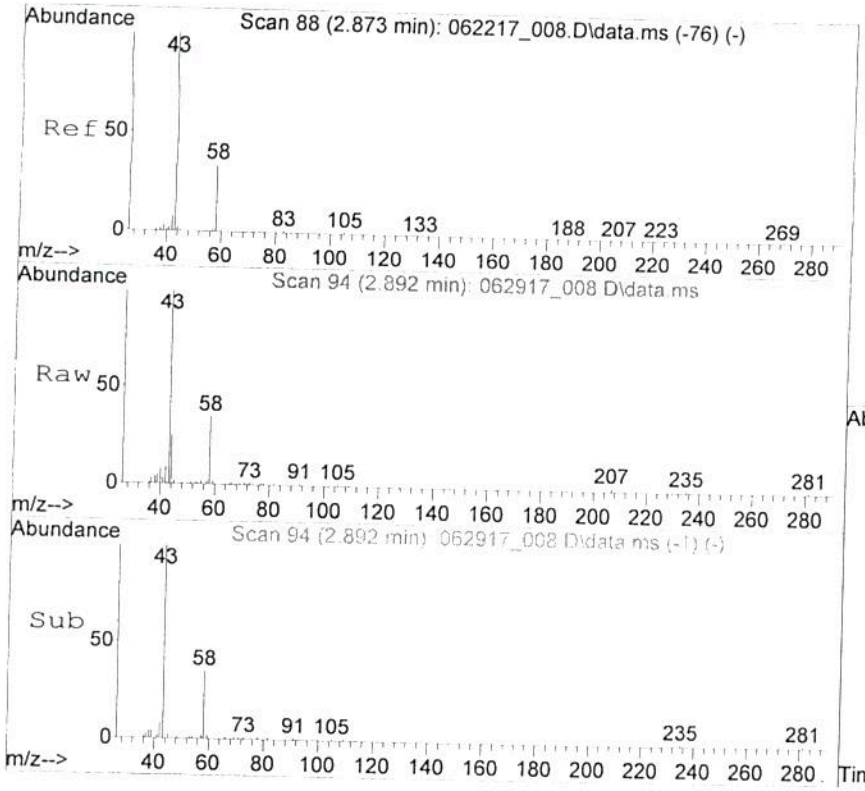
Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_008.D
Acq On : 29 Jun 2017 11:50 am
Operator : AH
Sample : NE39157 DUP
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 13:08:55 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



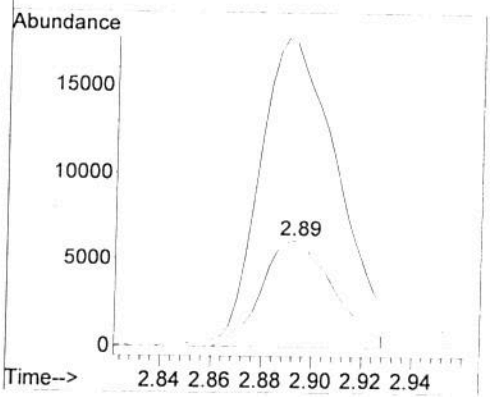
AHH VP1262 07/29/2017

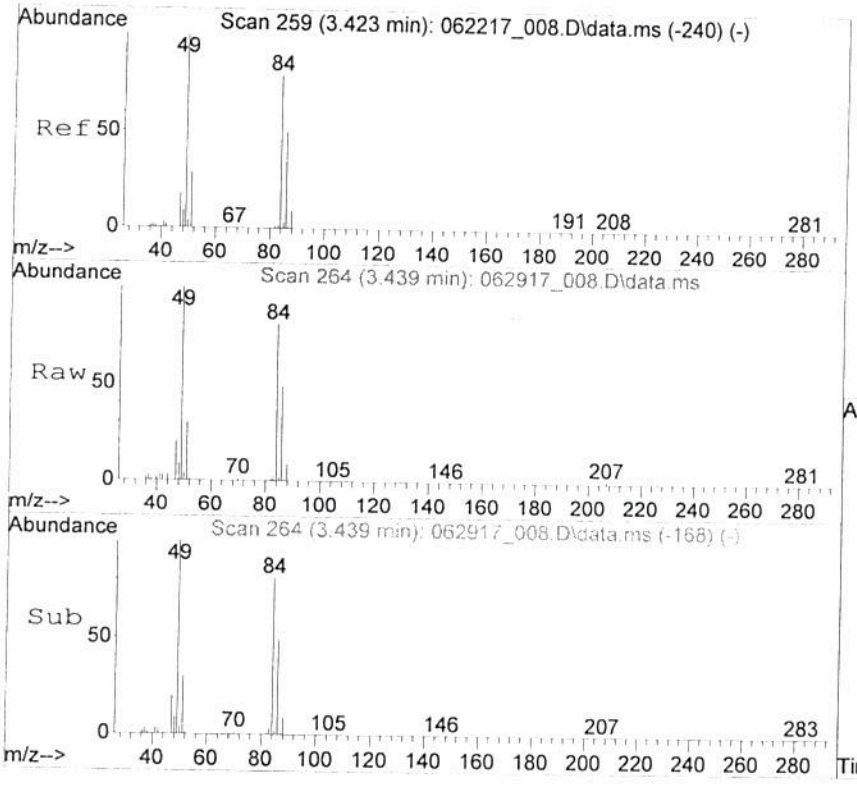


#4
Acetone
Concen: 46.36 ng
RT: 2.89 min Scan# 94
Delta R.T. -0.010 min
Lab File: 062917_008.D
Acq: 29 Jun 2017 11:50 am

Tgt Ion: 58 Resp: 12101

Ion	Ratio	Lower	Upper
58	100		
43	334.5	277.1	415.7

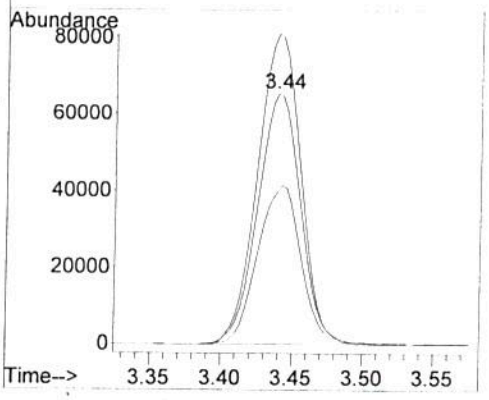




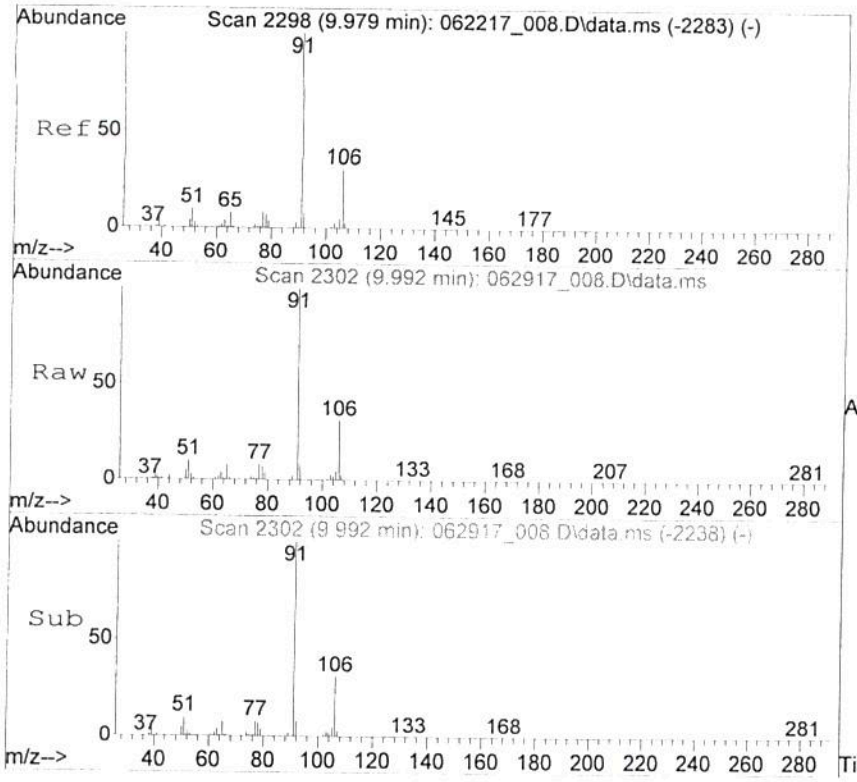
#6
Methylene Chloride
Concen: 65.44 ng
RT: 3.44 min Scan# 264
Delta R.T. -0.006 min
Lab File: 062917_008.D
Acq: 29 Jun 2017 11:50 am

Tgt Ion: 84 Resp: 137526

Ion	Ratio	Lower	Upper
84	100		
86	63.9	50.7	76.1
49	124.9	117.4	176.0



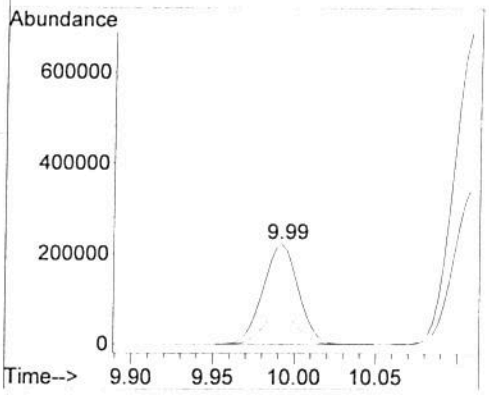
AMH UP1262 07/20/2017

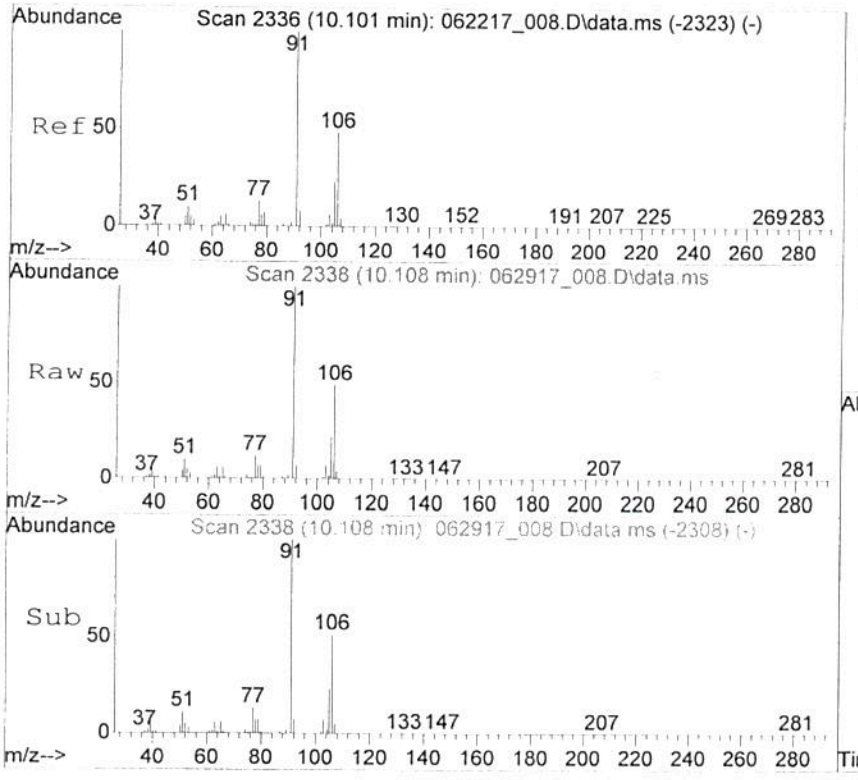


#34
Ethylbenzene
Concen: 34.83 ng
RT: 9.99 min Scan# 2302
Delta R.T. -0.003 min
Lab File: 062917_008.D
Acq: 29 Jun 2017 11:50 am

Tgt Ion: 91 Resp: 337582

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.4	35.0

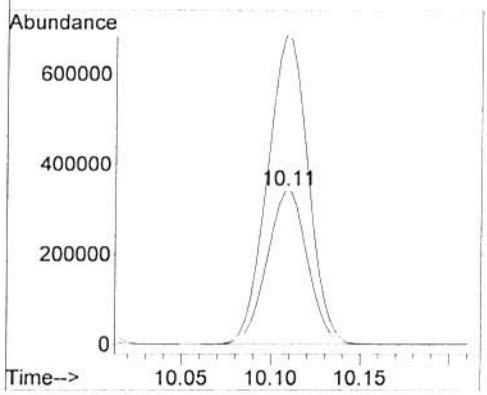




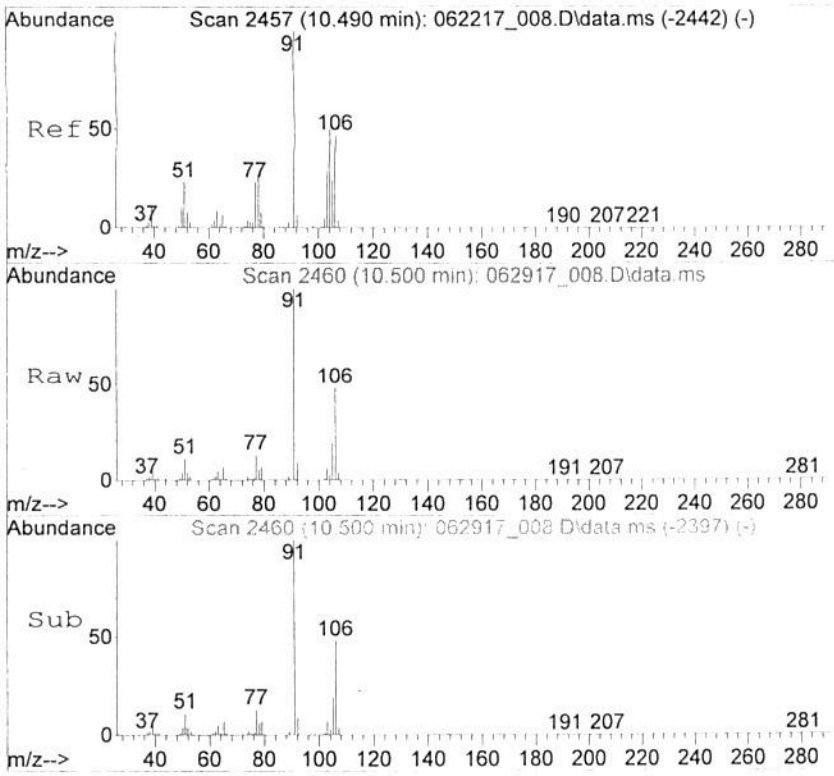
#35
m- &/or p-Xylene
Concen: 144.34 ng
RT: 10.11 min Scan# 2338
Delta R.T. -0.012 min
Lab File: 062917_008.D
Acq: 29 Jun 2017 11:50 am

Tgt Ion:106 Resp: 539865

Ion	Ratio	Lower	Upper
106	100		
91	202.2	170.2	255.2



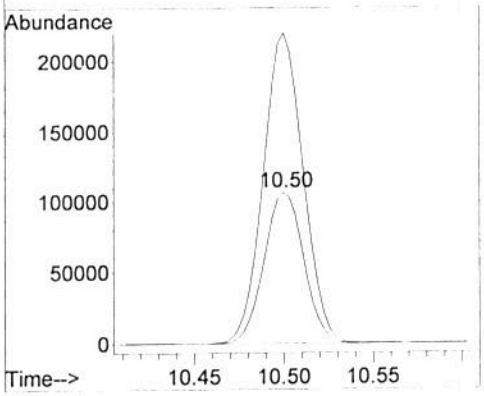
AMH VP1252 07/20/2017



#36
o-Xylene
Concen: 44.34 ng
RT: 10.50 min Scan# 2460
Delta R.T. -0.006 min
Lab File: 062917_008.D
Acq: 29 Jun 2017 11:50 am

Tgt Ion:106 Resp: 163678

Ion	Ratio	Lower	Upper
106	100		
91	208.2	175.1	262.7



AMH VP1262 07/20/2017

D:\Data\Angie\VP1262\062917_009.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/29/2017 12:14	uL purged =	1.00
Data File Name:	**062917_009.D**		
Sample Name:	NE39157 ~~TRIP~~ DUP AH 7/24/17	**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	46.90	46.895	10	10.00000
5	Carbon disulfide	0.00	ND	5	5.00000
6	Methylene Chloride	64.27	64.270	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	3.17	ND	5	5.00000
26	Toluene	0.46	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	33.58	33.583	5	5.00000
35	m- &/or p-Xylene	140.05	140.046	5	5.00000
36	o-Xylene	43.04	43.043	5	5.00000
37	Styrene	4.50	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	51.15	51.152	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	0.45	ND	5	5.00000
52	Hexachlorobutadiene	0.00	ND	5	5.00000
53	Naphthalene	3.39	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 7/24/7

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_009.D
Acq On : 29 Jun 2017 12:14 pm
Operator : AH
Sample : NE39157 ~~TRIP~~ Dup AH 7/5/17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 13:11:03 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

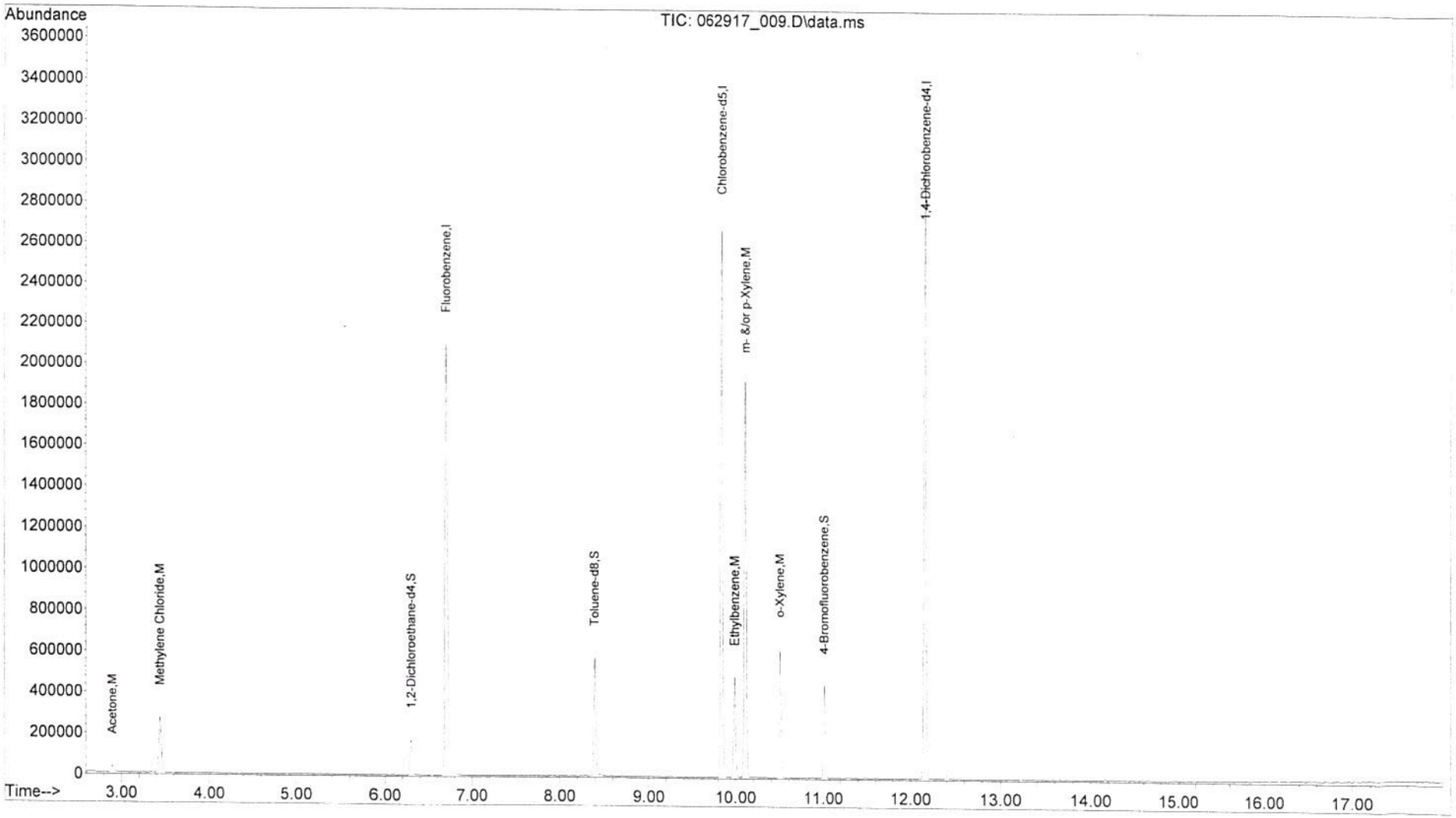
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.71	96	1934479	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1440833	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	765517	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	111149	49.81 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.62%		
25) Toluene-d8	8.40	98	360098	49.38 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.76%		
41) 4-Bromofluorobenzene	11.01	174	124167	51.15 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.30%		
Target Compounds					Qvalue
4) Acetone	2.90	58	12516	46.90 ng	88
6) Methylene Chloride	3.44	84	137751	64.27 ng	90
34) Ethylbenzene	9.99	91	330106	33.58 ng	96
35) m- &/or p-Xylene	10.11	106	531051	140.05 ng	94
36) o-Xylene	10.50	106	161148	43.04 ng	96

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_009.D
Acq On : 29 Jun 2017 12:14 pm
Operator : AH
Sample : NE39157 TRIP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 13:11:03 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



BHH VP1262 07/29/2017

D:\Data\Angie\VP1262\062917_010.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/29/2017 12:39	uL purged =	1.00
Data File Name:	**062917_010.D**		
Sample Name:	NE39157 ~~SPIKE~~ TRIP AH 7/24/17	**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	45.85	45.852	10	10.00000
5	Carbon disulfide	0.00	ND	5	5.00000
6	Methylene Chloride	64.85	64.845	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	3.82	ND	5	5.00000
26	Toluene	0.41	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	33.92	33.921	5	5.00000
35	m- &/or p-Xylene	143.01	143.009	5	5.00000
36	o-Xylene	42.74	42.739	5	5.00000
37	Styrene	4.32	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	49.27	49.270	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	1.61	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	0.43	ND	5	5.00000
52	Hexachlorobutadiene	0.00	ND	5	5.00000
53	Naphthalene	3.34	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

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_010.D
Acq On : 29 Jun 2017 12:39 pm
Operator : AH
Sample : NE39157 ~~SPIKE~~ TRIP AH 7/5/17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 13:12:36 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

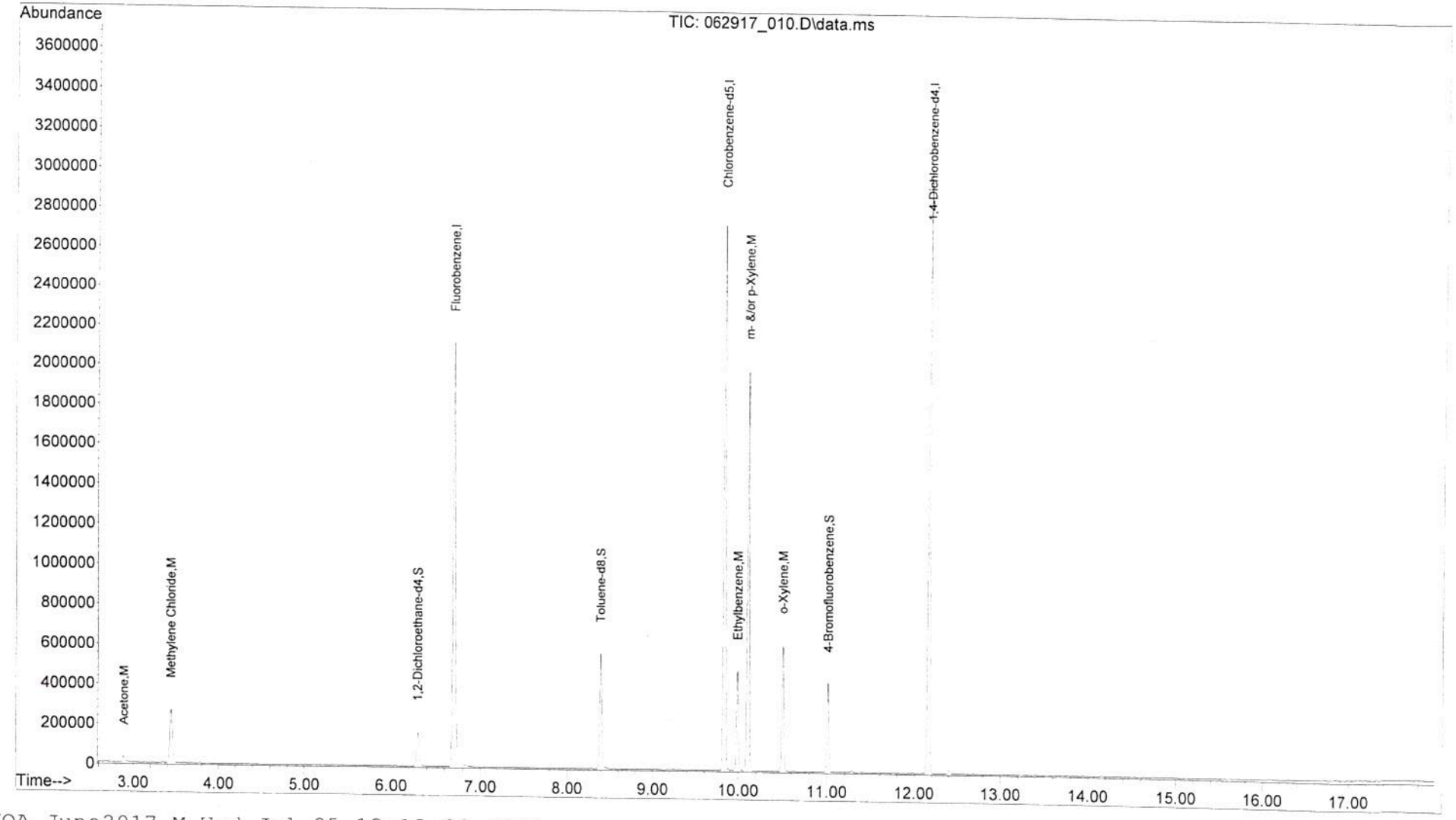
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1940972	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1446891	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	762086	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	111805	49.93	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.86%			
25) Toluene-d8	8.40	98	363045	49.58	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.16%			
41) 4-Bromofluorobenzene	11.01	174	119064	49.27	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.54%			
Target Compounds						Qvalue
4) Acetone	2.89	58	12218	45.85	ng	100
6) Methylene Chloride	3.44	84	139451	64.84	ng	87
34) Ethylbenzene	9.99	91	334835	33.92	ng	97
35) m- &/or p-Xylene	10.11	106	544680	143.01	ng	93
36) o-Xylene	10.50	106	160682	42.74	ng	98

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_010.D
Acq On : 29 Jun 2017 12:39 pm
Operator : AH
Sample : NE39157 SPIKE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 13:12:36 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 07/29/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_011.D
Acq On : 29 Jun 2017 1:03 pm
Operator : AH
Sample : NE39157 SPIKE
Misc :
ALS Vial : 10 Sample Multiplier: 1

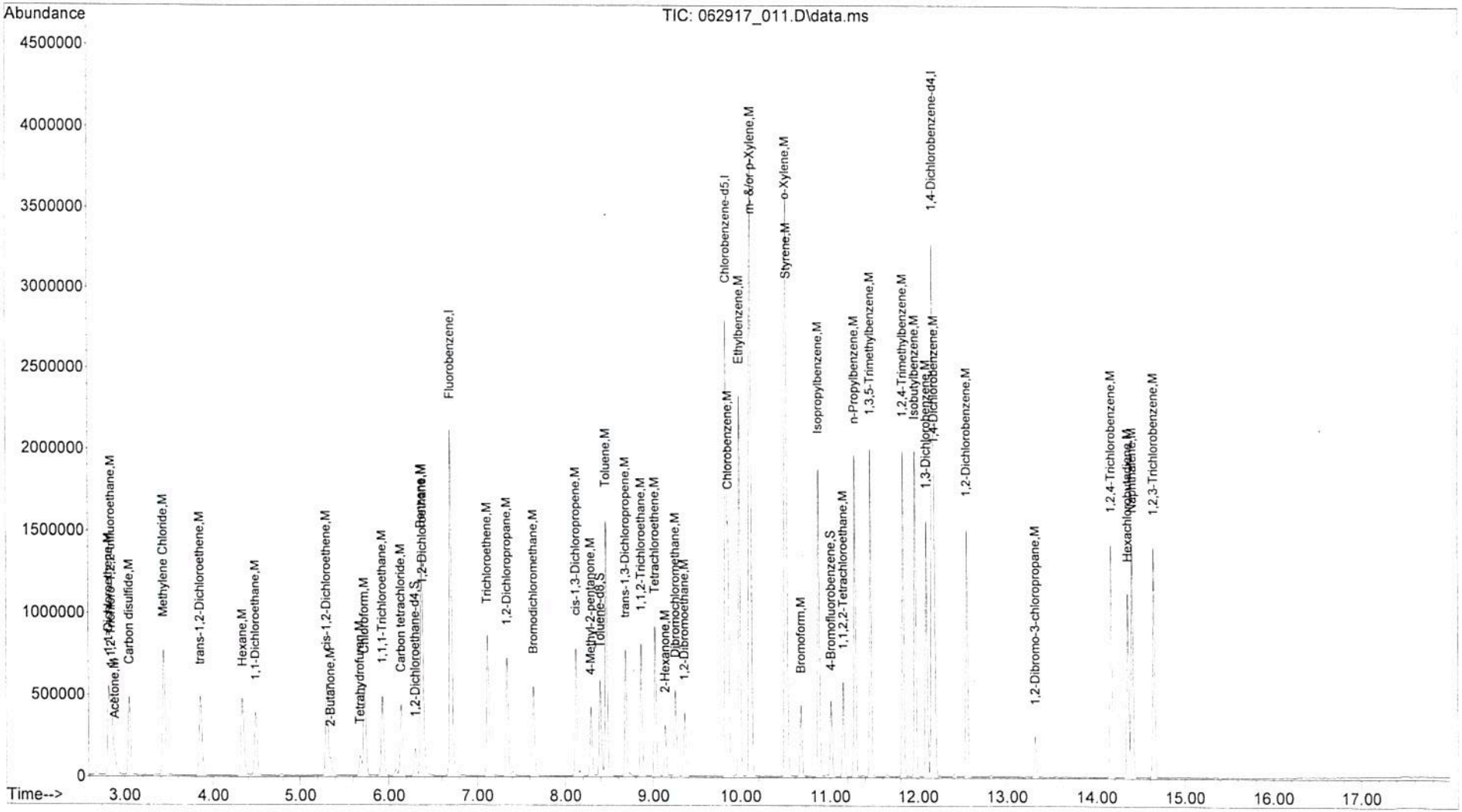
Quant Time: Jul 05 13:13:38 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1930670	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1469842	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	796875	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	112047	50.31	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.62%			
25) Toluene-d8	8.40	98	373443	50.20	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.40%			
41) 4-Bromofluorobenzene	11.01	174	124560	49.29	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.58%			
Target Compounds						Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.85	151	164461	115.15	ng	99
3) 1,1-Dichloroethene	2.82	96	199137	116.70	ng	90
4) Acetone	2.89	58	48160	156.91	ng	92
5) Carbon disulfide	3.06	76	696828	120.08	ng	100
6) Methylene Chloride	3.44	84	391535	183.04	ng	90
7) trans-1,2-Dichloroethene	3.85	96	234075	117.32	ng	94
8) Hexane	4.34	57	283756	146.32	ng	94
9) 1,1-Dichloroethane	4.49	63	444057	118.14	ng	99
10) cis-1,2-Dichloroethene	5.30	96	265210	116.37	ng	95
11) 2-Butanone	5.35	72	31328	110.43	ng	71
12) Chloroform	5.73	83	425366	117.90	ng	100
13) Tetrahydrofuran	5.68	42	85307	130.59	ng	89
14) 1,1,1-Trichloroethane	5.93	97	330037	112.46	ng	97
15) Carbon tetrachloride	6.14	117	281894	111.74	ng	97
17) Benzene	6.37	78	1007839	118.04	ng	97
18) 1,2-Dichloroethane	6.39	62	355048	120.78	ng	100
19) Trichloroethene	7.11	95	285753	128.49	ng	96
20) 1,2-Dichloropropane	7.34	63	269423	122.65	ng	99
21) Bromodichloromethane	7.64	83	335953	119.05	ng	99
23) cis-1,3-Dichloropropene	8.12	75	432006	119.07	ng	89
24) 4-Methyl-2-pentanone	8.29	58	101337	119.17	ng	89
26) Toluene	8.46	92	633225	121.17	ng	97
27) trans-1,3-Dichloropropene	8.69	75	396490	118.32	ng	92
28) 1,1,2-Trichloroethane	8.87	83	215058	121.87	ng	99
29) Tetrachloroethene	9.02	164	204819	123.36	ng	97
30) 2-Hexanone	9.14	43	197172	114.23	ng	93
31) Dibromochloromethane	9.26	129	262814	120.29	ng	99
32) 1,2-Dibromoethane	9.36	107	254197	122.24	ng	98
33) Chlorobenzene	9.87	112	734489	121.62	ng	98
34) Ethylbenzene	9.99	91	1589805	158.54	ng	96
35) m- &/or p-Xylene	10.11	106	1062214	273.26	ng	94
36) o-Xylene	10.50	106	644057	168.63	ng	97
37) Styrene	10.51	104	837382	124.83	ng	97
38) Bromoform	10.67	173	197385	115.61	ng	98
40) Isopropylbenzene	10.87	105	1191138	123.45	ng	99
42) 1,1,2,2-Tetrachloroethane	11.15	83	284398	112.80	ng	100
43) n-Propylbenzene	11.28	91	1460344	126.40	ng	98
44) 1,3,5-Trimethylbenzene	11.46	105	1035304	122.94	ng	98
45) 1,2,4-Trimethylbenzene	11.83	105	1054347	123.36	ng	98
46) Isobutylbenzene	11.97	91	1098466	132.96	ng	98

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_011.D
Acq On : 29 Jun 2017 1:03 pm
Operator : AH
Sample : NE39157 SPIKE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 13:13:38 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\062917_012.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/29/2017 13:28	uL purged =	10.00
Data File Name:	**062917_012.D**		
Sample Name:	NE39161		

mL of Sample in 50 mL water=	**0.100**	**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	0.50000
3	1,1-Dichloroethene	0.00	ND	5	0.50000
4	Acetone	95.19	9.519	10	1.00000
5	Carbon disulfide	0.43	ND	5	0.50000
6	Methylene Chloride	238.31	23.831	5	0.50000
7	trans-1,2-Dichloroethene	0.00	ND	5	0.50000
8	Hexane	-0.23	ND	5	0.50000
9	1,1-Dichloroethane	0.00	ND	5	0.50000
10	cis-1,2-Dichloroethene	0.00	ND	5	0.50000
11	2-Butanone	0.00	ND	5	0.50000
12	Chloroform	0.90	ND	5	0.50000
13	Tetrahydrofuran	0.00	ND	5	0.50000
14	1,1,1-Trichloroethane	0.00	ND	5	0.50000
15	Carbon tetrachloride	0.00	ND	5	0.50000
17	Benzene	0.00	ND	5	0.50000
18	1,2-Dichloroethane	0.00	ND	5	0.50000
19	Trichloroethene	0.00	ND	5	0.50000
20	1,2-Dichloropropane	0.00	ND	5	0.50000
21	Bromodichloromethane	0.00	ND	5	0.50000
23	cis-1,3-Dichloropropene	0.00	ND	5	0.50000
24	4-Methyl-2-pentanone	2.19	ND	5	0.50000
26	Toluene	0.81	ND	5	0.50000
27	trans-1,3-Dichloropropene	0.00	ND	5	0.50000
28	1,1,2-Trichloroethane	0.00	ND	5	0.50000
29	Tetrachloroethene	0.00	ND	5	0.50000
30	2-Hexanone	0.00	ND	5	0.50000
31	Dibromochloromethane	0.54	ND	5	0.50000
32	1,2-Dibromoethane	0.00	ND	5	0.50000
33	Chlorobenzene	0.39	ND	5	0.50000
34	Ethylbenzene	28.45	2.845	5	0.50000
35	m- &/or p-Xylene	108.42	10.842	5	0.50000
36	o-Xylene	37.72	3.772	5	0.50000
37	Styrene	0.00	ND	5	0.50000
38	Bromoform	0.00	ND	5	0.50000
39	1,4-Dichlorobenzene-d4	250.00	25.000	5	0.50000
41	4-Bromofluorobenzene	50.06	5.006	5	0.50000
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	0.50000
43	n-Propylbenzene	0.52	ND	5	0.50000
44	1,3,5-Trimethylbenzene	1.66	ND	5	0.50000
45	1,2,4-Trimethylbenzene	1.83	ND	5	0.50000
46	Isobutylbenzene	1.90	ND	5	0.50000
47	1,3-Dichlorobenzene	0.67	ND	5	0.50000
48	1,4-Dichlorobenzene	1.01	ND	5	0.50000
49	1,2-Dichlorobenzene	0.54	ND	5	0.50000
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	0.50000
51	1,2,4-Trichlorobenzene	2.10	ND	5	0.50000
52	Hexachlorobutadiene	3.71	ND	5	0.50000
53	Naphthalene	4.61	ND	5	0.50000

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 10:50 AM

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_012.D
Acq On : 29 Jun 2017 1:28 pm
Operator : AH
Sample : NE39161
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 05 13:15:49 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	1657066	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1274498	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	666378	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	96726	50.60 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery	= 101.20%	
25) Toluene-d8	8.40	98	317192	49.17 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery	= 98.34%	
41) 4-Bromofluorobenzene	11.01	174	105779	50.06 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery	= 100.12%	
Target Compounds					Qvalue
4) Acetone	2.89	58	24161	95.19 ng	97
6) Methylene Chloride	3.44	84	437524	238.31 ng	90
8) Hexane	4.34	57	1531	Below Cal #	23
34) Ethylbenzene	9.99	91	247398	28.45 ng	96
35) m- &/or p-Xylene	10.11	106	362594	108.42 ng	93
36) o-Xylene	10.50	106	124916	37.72 ng	95

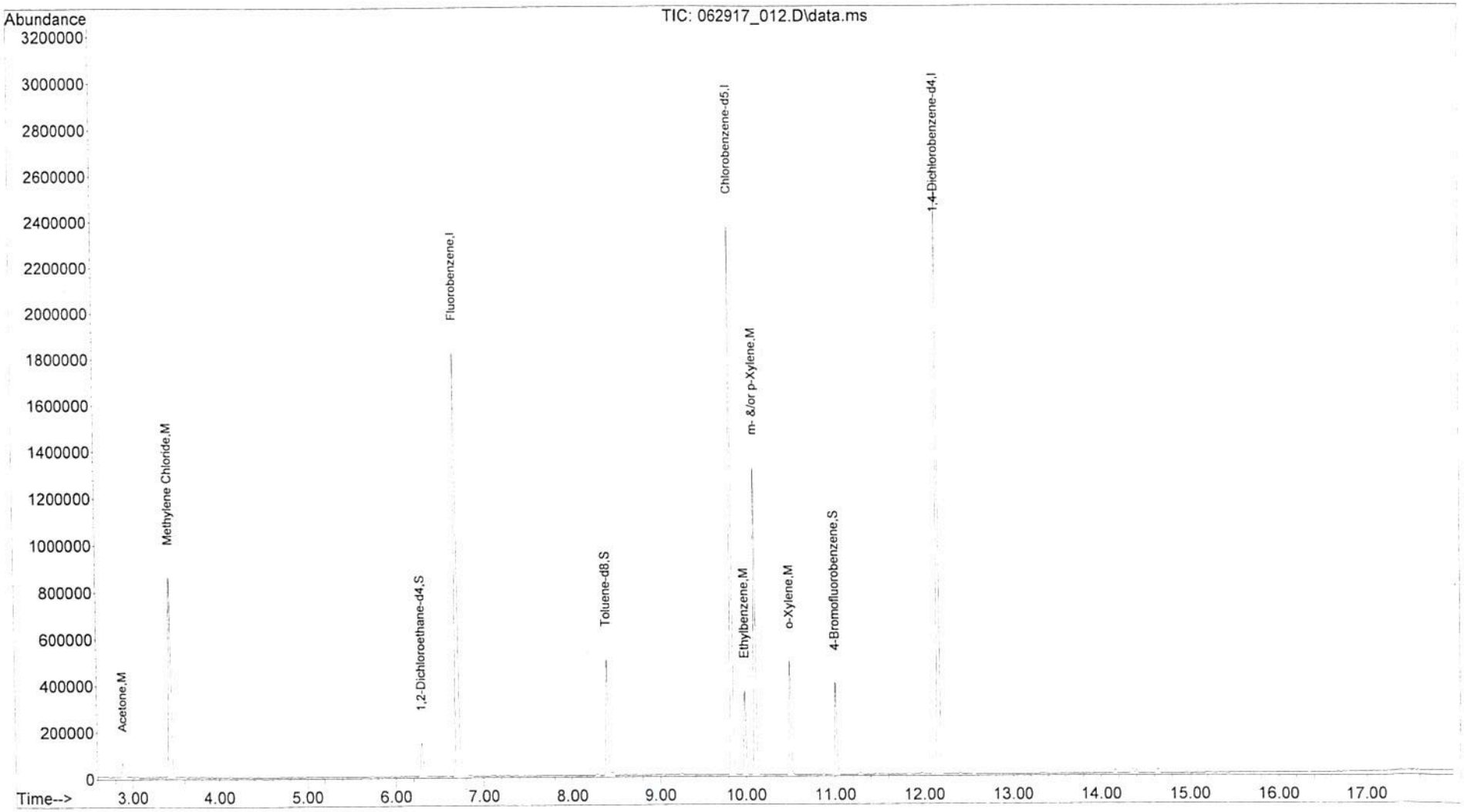
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ANH VP1262 07/20/2017

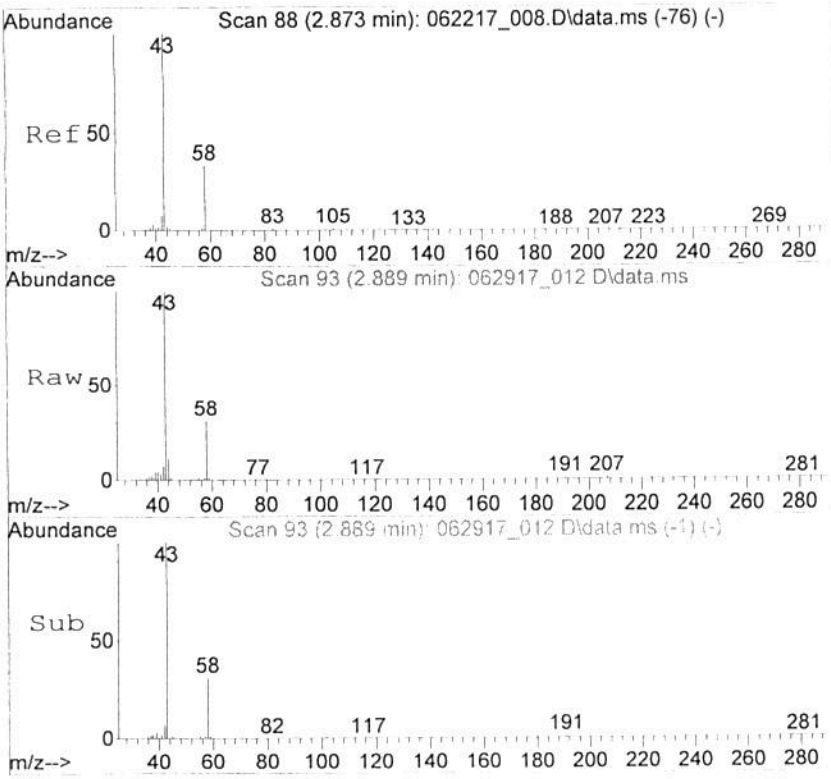
Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_012.D
Acq On : 29 Jun 2017 1:28 pm
Operator : AH
Sample : NE39161
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 05 13:15:49 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



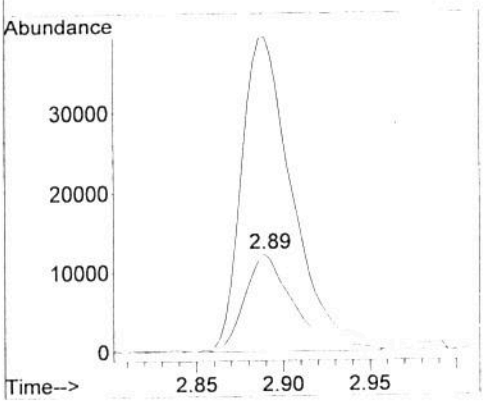
AIH 0P1262 07/20/2017

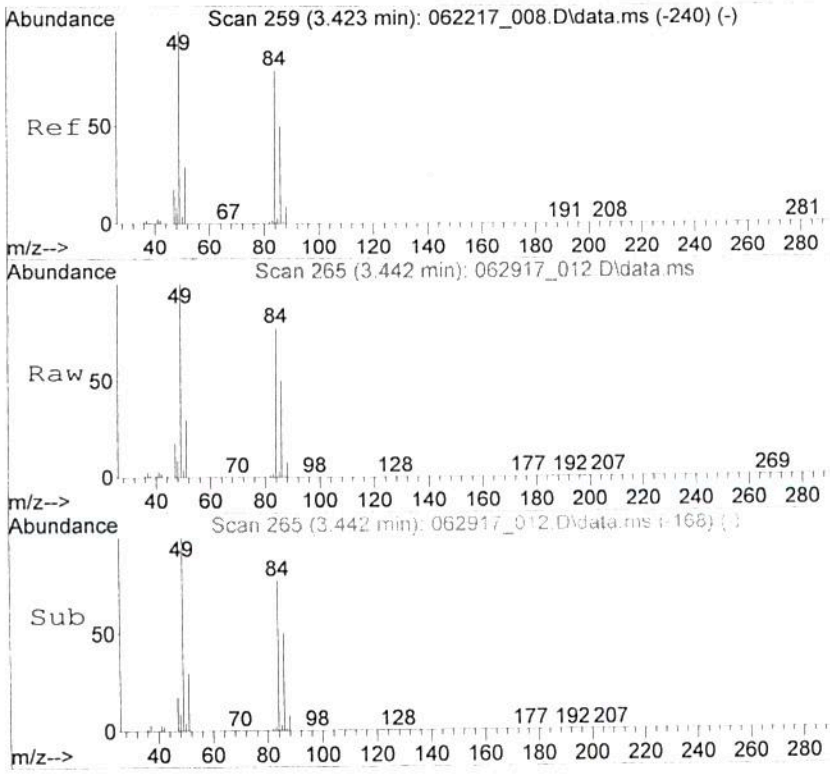


#4
Acetone
Concen: 95.19 ng
RT: 2.89 min Scan# 93
Delta R.T. -0.013 min
Lab File: 062917_012.D
Acq: 29 Jun 2017 1:28 pm

Tgt Ion: 58 Resp: 24161

Ion	Ratio	Lower	Upper
58	100		
43	340.4	277.1	415.7

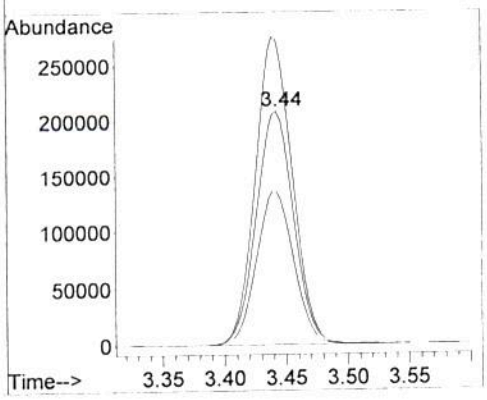




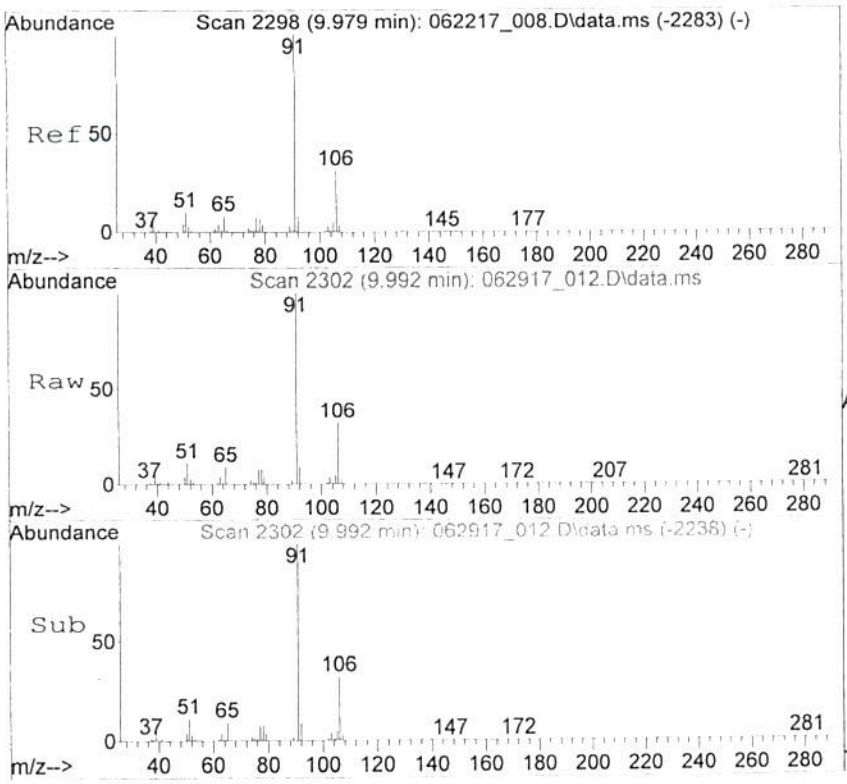
#6
Methylene Chloride
Concen: 238.31 ng
RT: 3.44 min Scan# 265
Delta R.T. -0.003 min
Lab File: 062917_012.D
Acq: 29 Jun 2017 1:28 pm

Tgt Ion: 84 Resp: 437524

Ion	Ratio	Lower	Upper
84	100		
86	65.2	50.7	76.1
49	130.4	117.4	176.0



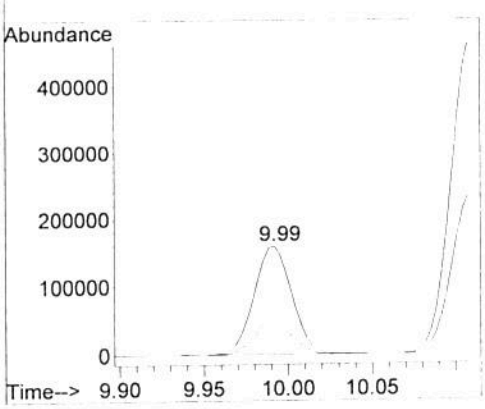
AMH UP1262 07/20/2017

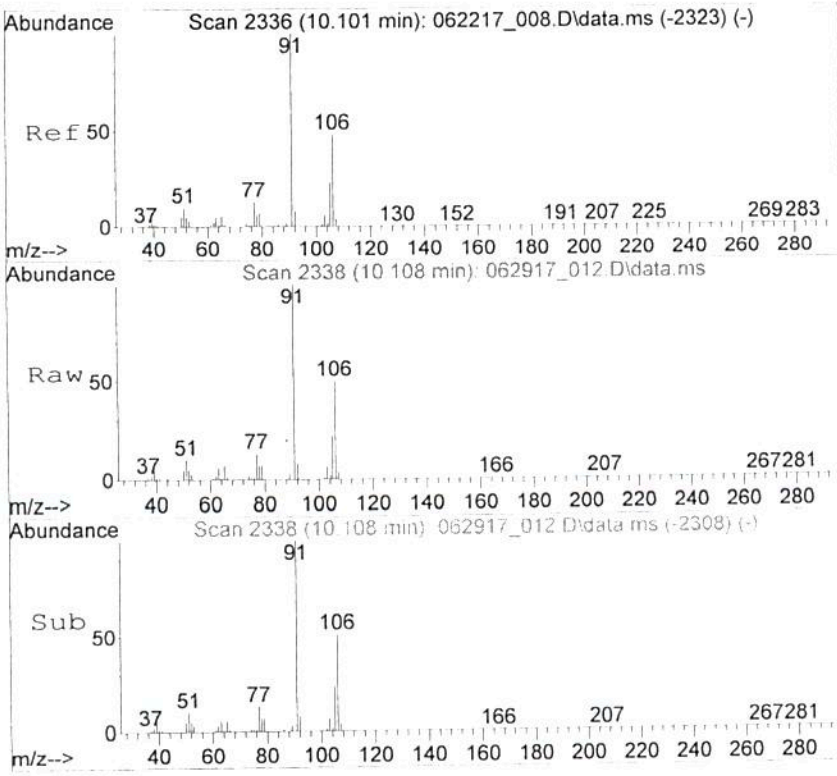


#34
Ethylbenzene
Concen: 28.45 ng
RT: 9.99 min Scan# 2302
Delta R.T. -0.003 min
Lab File: 062917_012.D
Acq: 29 Jun 2017 1:28 pm

Tgt Ion: 91 Resp: 247398

Ion	Ratio	Lower	Upper
91	100		
106	31.3	23.4	35.0

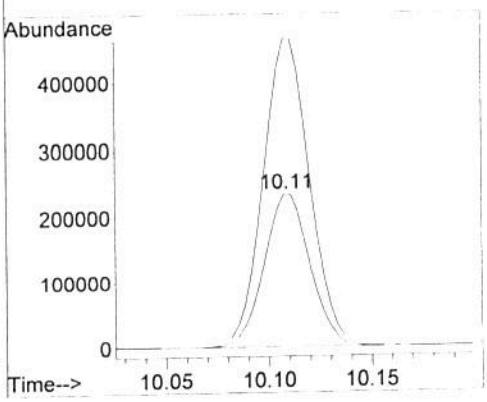




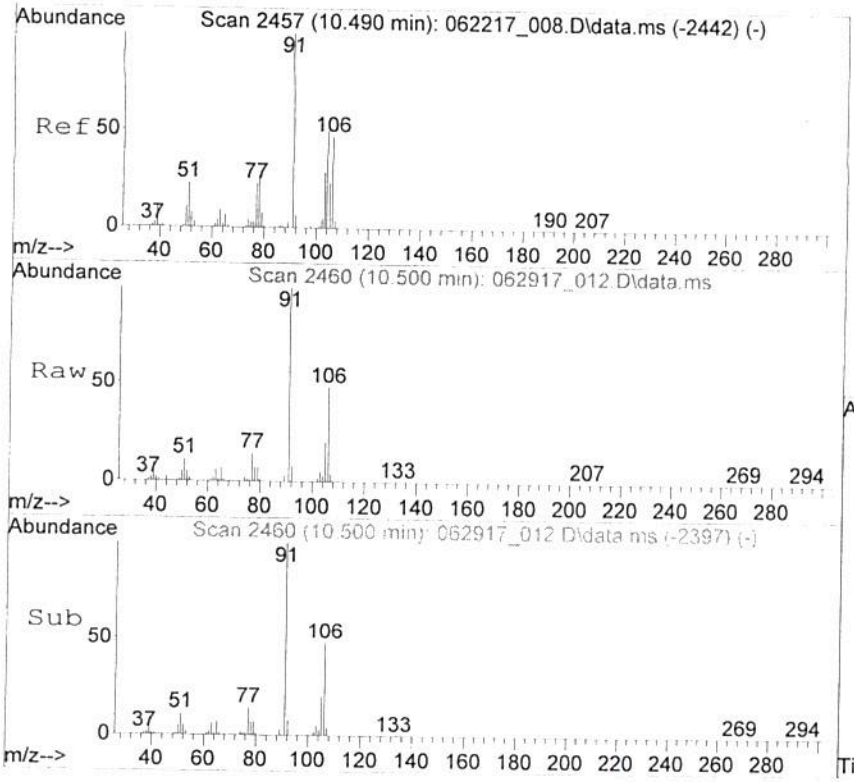
#35
m- &/or p-Xylene
Concen: 108.42 ng
RT: 10.11 min Scan# 2338
Delta R.T. -0.012 min
Lab File: 062917_012.D
Acq: 29 Jun 2017 1:28 pm

Tgt Ion:106 Resp: 362594

Ion	Ratio	Lower	Upper
106	100		
91	202.3	170.2	255.2



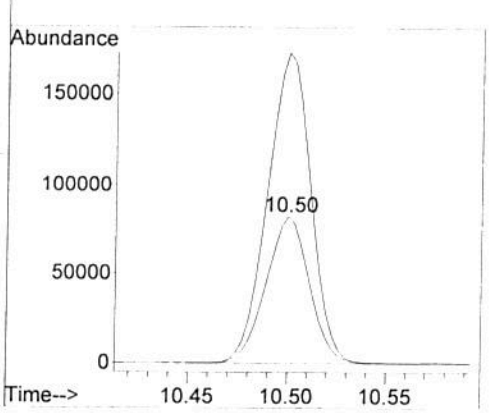
AMH UP1262 07/20/2017



#36
o-Xylene
Concen: 37.72 ng
RT: 10.50 min Scan# 2460
Delta R.T. -0.006 min
Lab File: 062917_012.D
Acq: 29 Jun 2017 1:28 pm

Tgt Ion:106 Resp: 124916

Ion	Ratio	Lower	Upper
106	100		
91	211.0	175.1	262.7



AMH UP1262 07/20/2017

D:\Data\Angie\VP1262\062917_013.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/29/2017 13:53	uL purged =	5.00
Data File Name:	**062917_013.D**		
Sample Name:	NE39165		

		Total Volume (mL) =	**50.0**
mL of Sample in 50 mL water=	**0.050**	**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	1.00000
3	1,1-Dichloroethene	0.00	ND	5	1.00000
4	Acetone	111.16	22.232	10	2.00000
5	Carbon disulfide	0.00	ND	5	1.00000
6	Methylene Chloride	102.04	20.408	5	1.00000
7	trans-1,2-Dichloroethene	0.00	ND	5	1.00000
8	Hexane	0.00	ND	5	1.00000
9	1,1-Dichloroethane	0.00	ND	5	1.00000
10	cis-1,2-Dichloroethene	0.00	ND	5	1.00000
11	2-Butanone	0.00	ND	5	1.00000
12	Chloroform	0.00	ND	5	1.00000
13	Tetrahydrofuran	0.00	ND	5	1.00000
14	1,1,1-Trichloroethane	0.00	ND	5	1.00000
15	Carbon tetrachloride	0.00	ND	5	1.00000
17	Benzene	0.00	ND	5	1.00000
18	1,2-Dichloroethane	0.00	ND	5	1.00000
19	Trichloroethene	0.00	ND	5	1.00000
20	1,2-Dichloropropane	0.00	ND	5	1.00000
21	Bromodichloromethane	0.00	ND	5	1.00000
23	cis-1,3-Dichloropropene	0.00	ND	5	1.00000
24	4-Methyl-2-pentanone	1.86	ND	5	1.00000
26	Toluene	0.65	ND	5	1.00000
27	trans-1,3-Dichloropropene	0.00	ND	5	1.00000
28	1,1,2-Trichloroethane	0.00	ND	5	1.00000
29	Tetrachloroethene	0.00	ND	5	1.00000
30	2-Hexanone	0.00	ND	5	1.00000
31	Dibromochloromethane	0.00	ND	5	1.00000
32	1,2-Dibromoethane	0.00	ND	5	1.00000
33	Chlorobenzene	0.00	ND	5	1.00000
34	Ethylbenzene	60.93	12.185	5	1.00000
35	m- &/or p-Xylene	265.91	53.182	5	1.00000
36	o-Xylene	91.48	18.297	5	1.00000
37	Styrene	0.00	ND	5	1.00000
38	Bromoform	0.00	ND	5	1.00000
39	1,4-Dichlorobenzene-d4	250.00	50.000	5	1.00000
41	4-Bromofluorobenzene	47.99	9.597	5	1.00000
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	1.00000
43	n-Propylbenzene	0.00	ND	5	1.00000
44	1,3,5-Trimethylbenzene	1.43	ND	5	1.00000
45	1,2,4-Trimethylbenzene	1.59	ND	5	1.00000
46	Isobutylbenzene	1.47	ND	5	1.00000
47	1,3-Dichlorobenzene	0.28	ND	5	1.00000
48	1,4-Dichlorobenzene	0.35	ND	5	1.00000
49	1,2-Dichlorobenzene	0.00	ND	5	1.00000
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	1.00000
51	1,2,4-Trichlorobenzene	0.66	ND	5	1.00000
52	Hexachlorobutadiene	1.33	ND	5	1.00000
53	Naphthalene	3.50	ND	5	1.00000

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

AMH VP1262 07/24/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_013.D
Acq On : 29 Jun 2017 1:53 pm
Operator : AH
Sample : NE39165
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 24 10:52:43 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

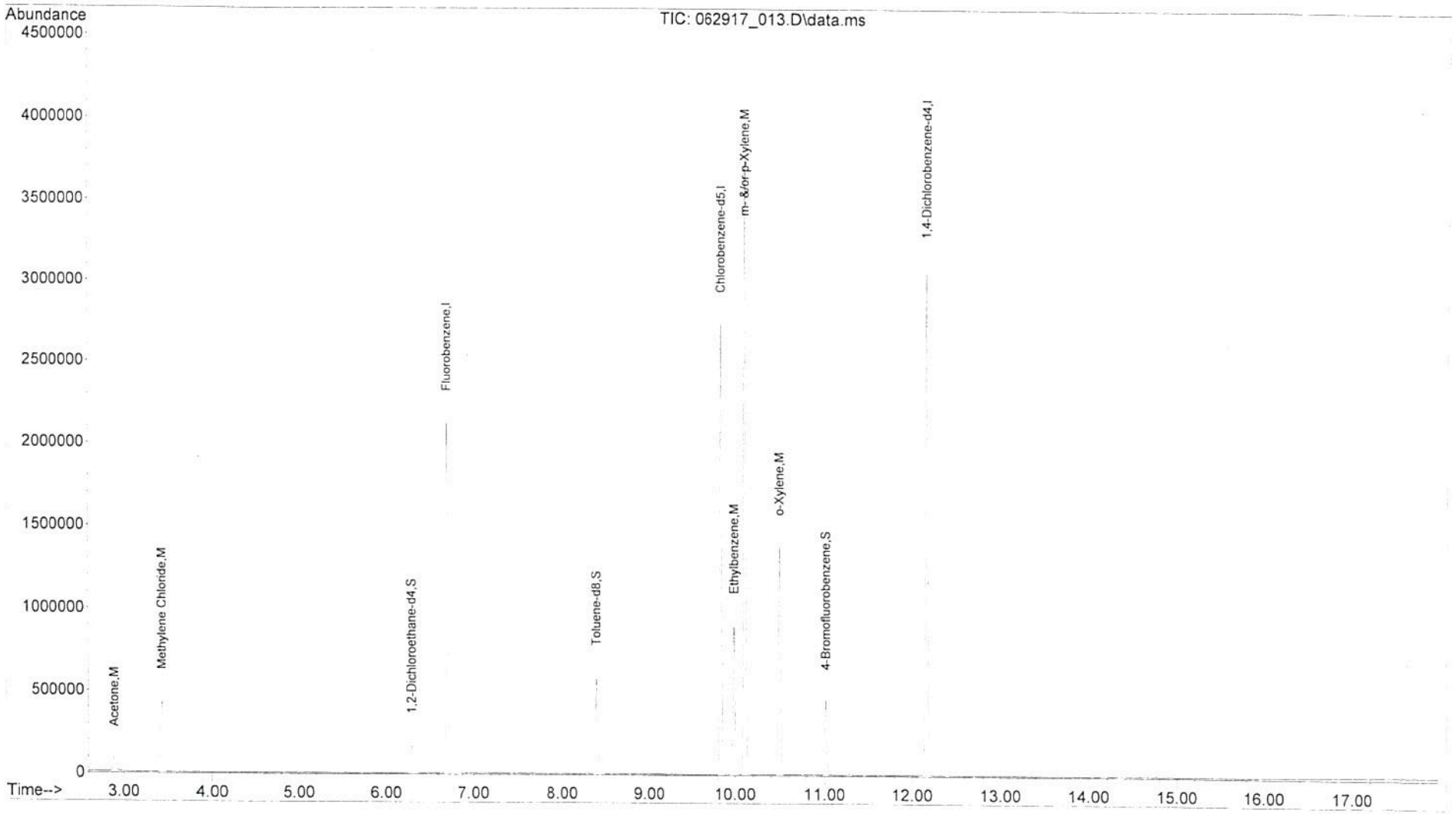
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1947903	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1460235	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	778501	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	113602	50.56	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.12%			
25) Toluene-d8	8.40	98	362564	49.06	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.12%			
41) 4-Bromofluorobenzene	11.01	174	118461	47.99	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.98%			
Target Compounds						Qvalue
4) Acetone	2.89	58	33625	111.16	ng	87
6) Methylene Chloride	3.44	84	220227	102.04	ng	89
34) Ethylbenzene	9.99	91	606954	60.93	ng	96
35) m- &/or p-Xylene	10.11	106	1026726	265.91	ng	96
36) o-Xylene	10.50	106	347123	91.48	ng	100

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

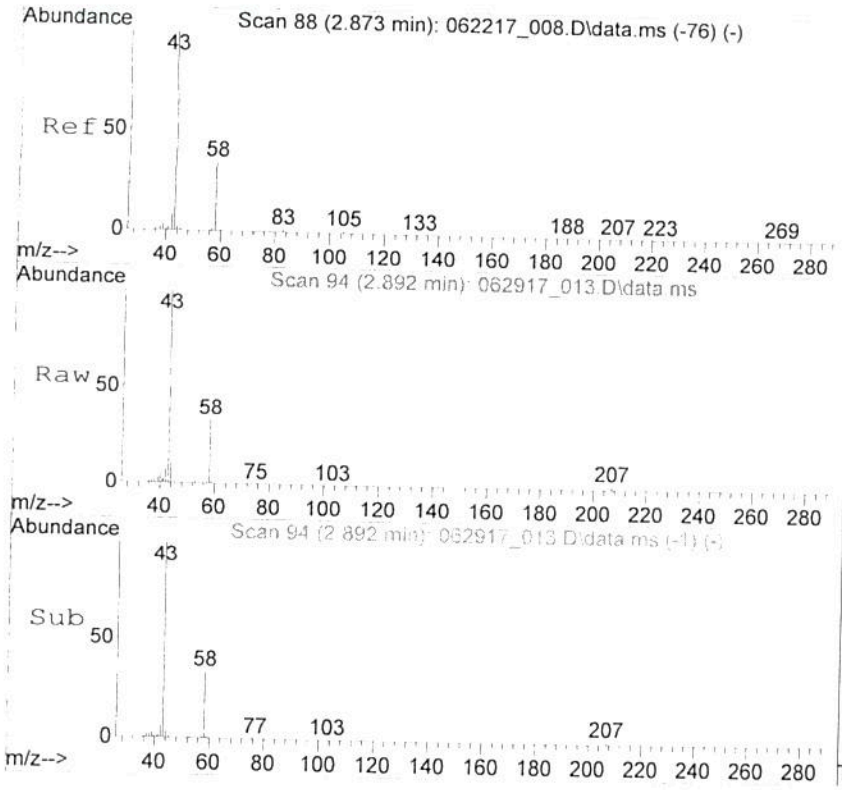
AHH VP1262 07/24/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_013.D
Acq On : 29 Jun 2017 1:53 pm
Operator : AH
Sample : NE39165
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 24 10:52:43 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



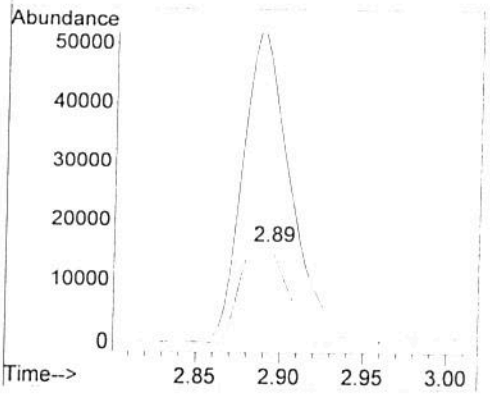
AHH VP1262 07/24/2017

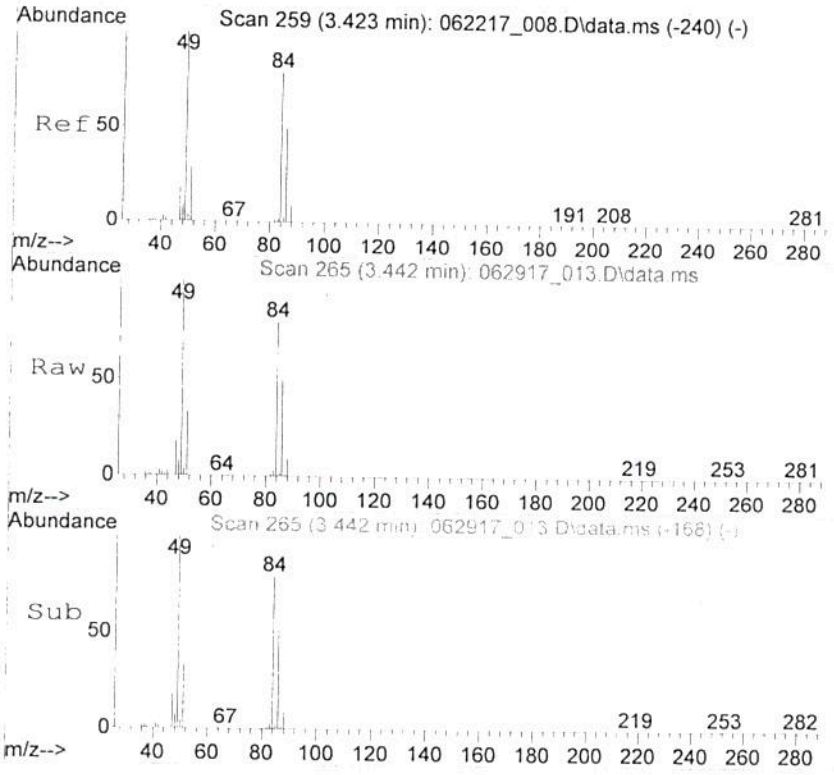


#4
Acetone
Concen: 111.16 ng
RT: 2.89 min Scan# 94
Delta R.T. -0.010 min
Lab File: 062917_013.D
Acq: 29 Jun 2017 1:53 pm

Tgt Ion: 58 Resp: 33625

Ion	Ratio	Lower	Upper
58	100		
43	317.7	277.1	415.7

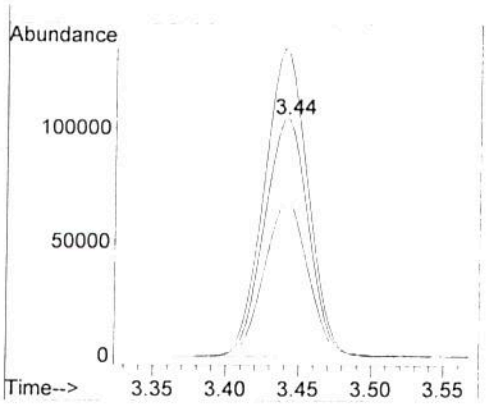




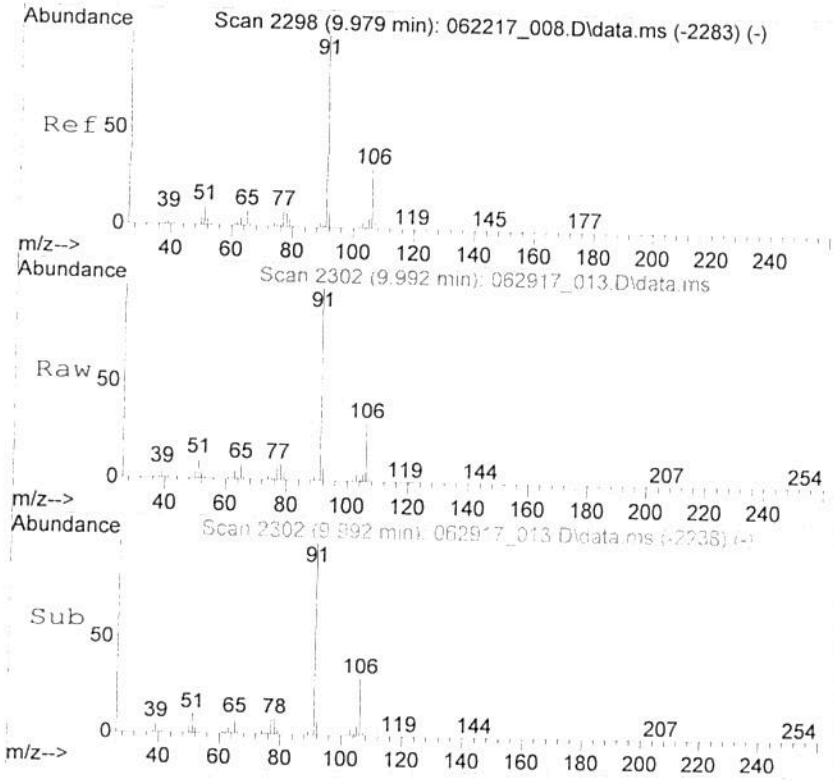
#6
Methylene Chloride
Concen: 102.04 ng
RT: 3.44 min Scan# 265
Delta R.T. -0.003 min
Lab File: 062917_013.D
Acq: 29 Jun 2017 1:53 pm

Tgt Ion: 84 Resp: 220227

Ion	Ratio	Lower	Upper
84	100		
86	64.8	50.7	76.1
49	128.7	117.4	176.0



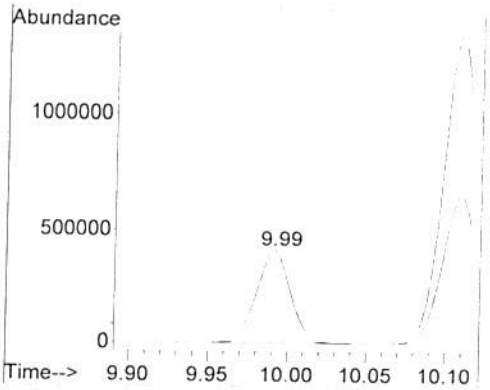
AMH VP1262 07/24/2017

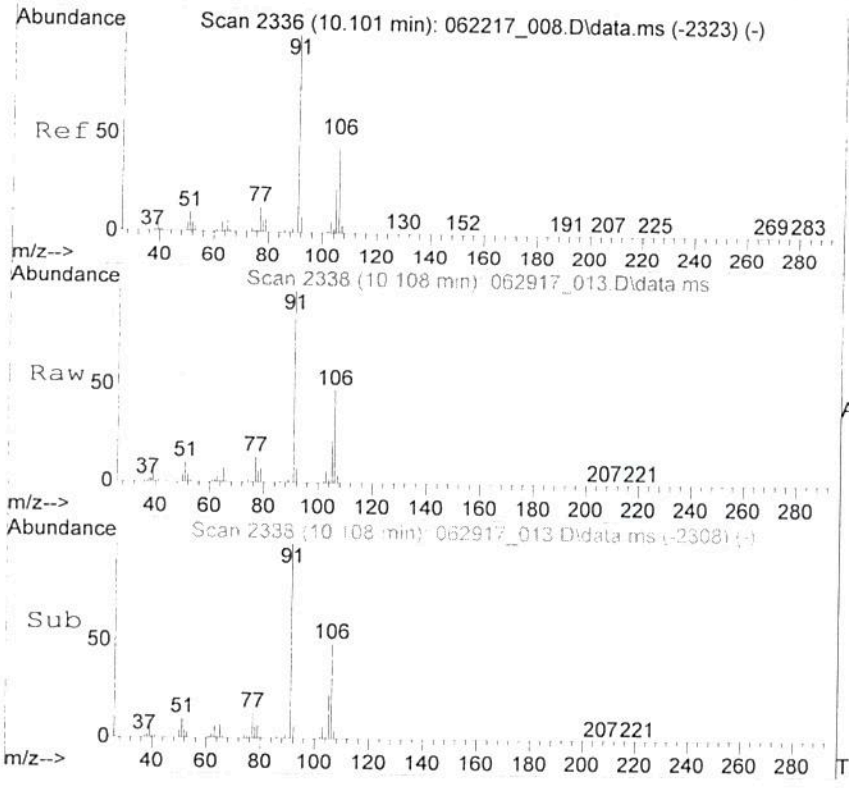


#34
Ethylbenzene
Concen: 60.93 ng
RT: 9.99 min Scan# 2302
Delta R.T. -0.003 min
Lab File: 062917_013.D
Acq: 29 Jun 2017 1:53 pm

Tgt Ion: 91 Resp: 606954

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.4	35.0

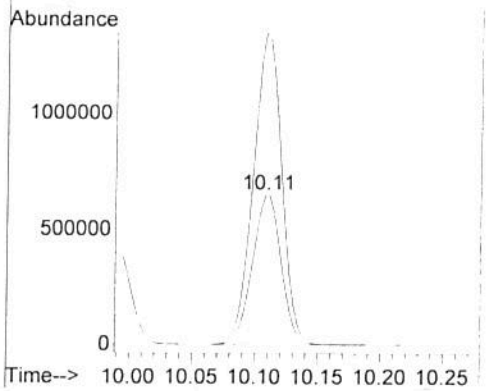




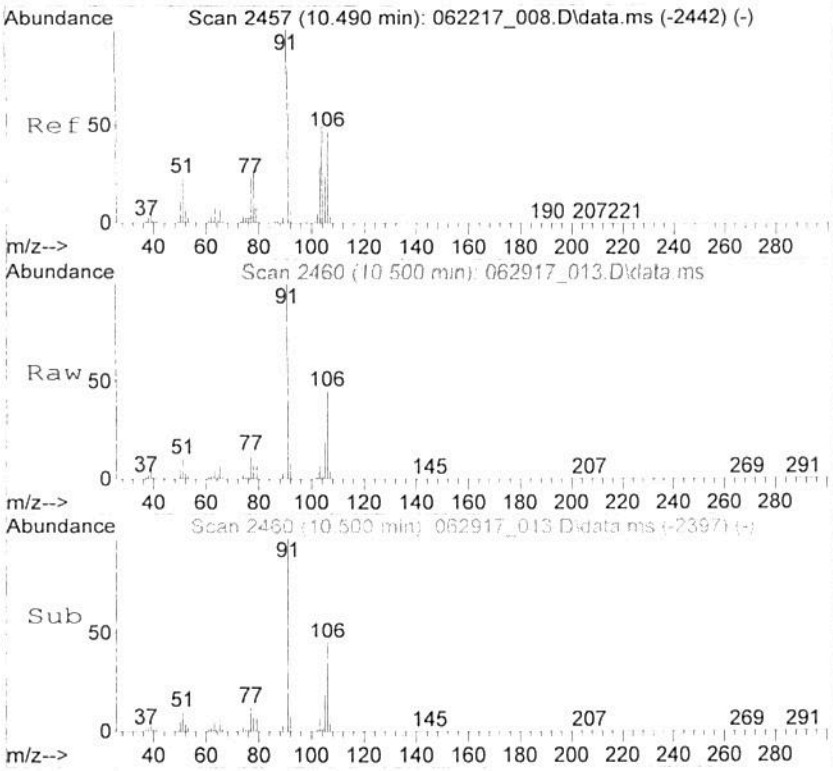
#35
m- &/or p-Xylene
Concen: 265.91 ng
RT: 10.11 min Scan# 2338
Delta R.T. -0.012 min
Lab File: 062917_013.D
Acq: 29 Jun 2017 1:53 pm

Tgt Ion:106 Resp: 1026726

Ion	Ratio	Lower	Upper
106	100		
91	205.7	170.2	255.2



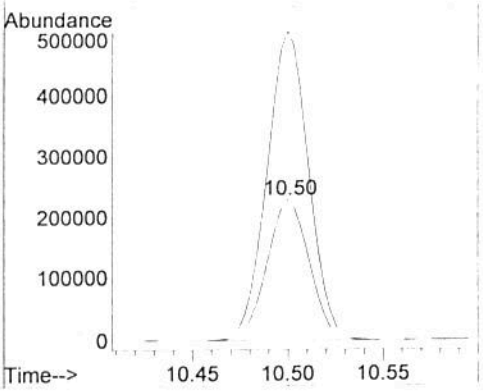
AMH VP1252 07/24/2017



#36
o-Xylene
Concen: 91.48 ng
RT: 10.50 min Scan# 2460
Delta R.T. -0.006 min
Lab File: 062917_013.D
Acq: 29 Jun 2017 1:53 pm

Tgt Ion:106 Resp: 347123

Ion	Ratio	Lower	Upper
106	100		
91	219.4	175.1	262.7



D:\Data\Angie\VP1262\062917_014.D

Project Number:	VP1262		
Operator:	AH		
Date Acquired:	6/29/2017 14:17	uL purged =	10.00
Data File Name:	**062917_014.D**		
Sample Name:	NE39169		

		Total Volume (mL) =	50.0
mL of Sample in 50 mL water=	**0.100**	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	0.50000
3	1,1-Dichloroethene	0.00	ND	5	0.50000
4	Acetone	189.72	18.972	10	1.00000
5	Carbon disulfide	0.00	ND	5	0.50000
6	Methylene Chloride	212.18	21.218	5	0.50000
7	trans-1,2-Dichloroethene	0.00	ND	5	0.50000
8	Hexane	0.00	ND	5	0.50000
9	1,1-Dichloroethane	0.00	ND	5	0.50000
10	cis-1,2-Dichloroethene	0.00	ND	5	0.50000
11	2-Butanone	0.00	ND	5	0.50000
12	Chloroform	0.00	ND	5	0.50000
13	Tetrahydrofuran	0.00	ND	5	0.50000
14	1,1,1-Trichloroethane	0.00	ND	5	0.50000
15	Carbon tetrachloride	0.00	ND	5	0.50000
17	Benzene	0.00	ND	5	0.50000
18	1,2-Dichloroethane	0.00	ND	5	0.50000
19	Trichloroethene	0.00	ND	5	0.50000
20	1,2-Dichloropropane	0.00	ND	5	0.50000
21	Bromodichloromethane	0.00	ND	5	0.50000
23	cis-1,3-Dichloropropene	0.00	ND	5	0.50000
24	4-Methyl-2-pentanone	4.12	ND	5	0.50000
26	Toluene	0.20	ND	5	0.50000
27	trans-1,3-Dichloropropene	0.00	ND	5	0.50000
28	1,1,2-Trichloroethane	0.00	ND	5	0.50000
29	Tetrachloroethene	0.00	ND	5	0.50000
30	2-Hexanone	0.00	ND	5	0.50000
31	Dibromochloromethane	0.00	ND	5	0.50000
32	1,2-Dibromoethane	0.00	ND	5	0.50000
33	Chlorobenzene	0.00	ND	5	0.50000
34	Ethylbenzene	31.06	3.106	5	0.50000
35	m- &/or p-Xylene	130.35	13.035	5	0.50000
36	o-Xylene	40.97	4.097	5	0.50000
37	Styrene	4.24	ND	5	0.50000
38	Bromoform	0.00	ND	5	0.50000
39	1,4-Dichlorobenzene-d4	250.00	25.000	5	0.50000
41	4-Bromofluorobenzene	50.18	5.018	5	0.50000
42	1,1,2,2-Tetrachloroethane	0.00	ND	5	0.50000
43	n-Propylbenzene	0.14	ND	5	0.50000
44	1,3,5-Trimethylbenzene	0.00	ND	5	0.50000
45	1,2,4-Trimethylbenzene	0.00	ND	5	0.50000
46	Isobutylbenzene	1.39	ND	5	0.50000
47	1,3-Dichlorobenzene	0.00	ND	5	0.50000
48	1,4-Dichlorobenzene	0.00	ND	5	0.50000
49	1,2-Dichlorobenzene	0.00	ND	5	0.50000
50	1,2-Dibromo-3-chloropropane	0.00	ND	5	0.50000
51	1,2,4-Trichlorobenzene	0.52	ND	5	0.50000
52	Hexachlorobutadiene	0.00	ND	5	0.50000
53	Naphthalene	3.46	ND	5	0.50000

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

AMH VP1262 07/24/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_014.D
Acq On : 29 Jun 2017 2:17 pm
Operator : AH
Sample : NE39169
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 24 10:54:37 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

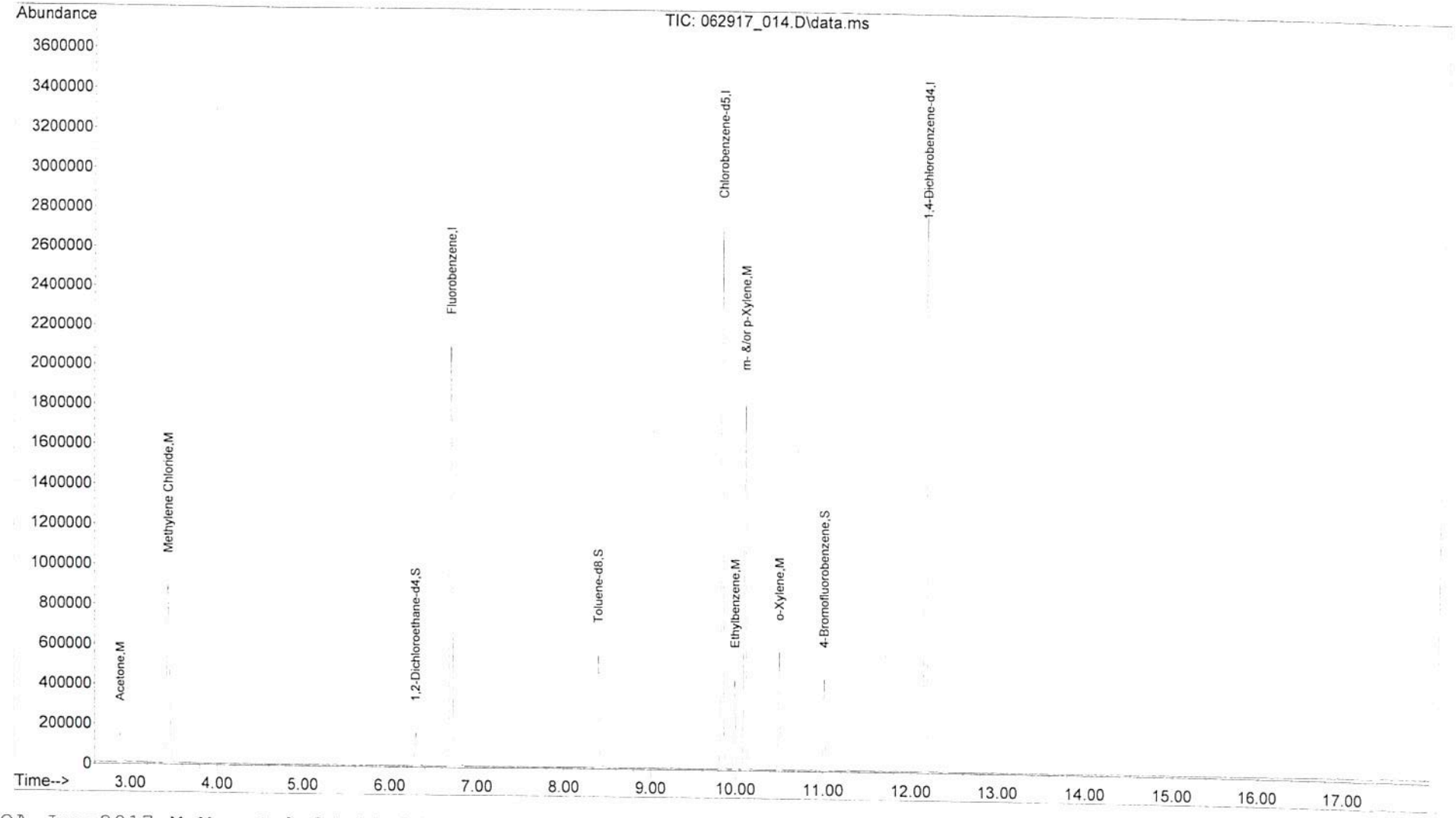
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1943780	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1454629	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	761967	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	110884	49.45	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.90%			
25) Toluene-d8	8.40	98	358292	48.67	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.34%			
41) 4-Bromofluorobenzene	11.01	174	121242	50.18	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.36%			
Target Compounds						Qvalue
4) Acetone	2.89	58	59198	189.72	ng	87
6) Methylene Chloride	3.44	84	456949	212.18	ng	89
34) Ethylbenzene	9.99	91	308199	31.06	ng	96
35) m- &/or p-Xylene	10.11	106	498639	130.35	ng	93
36) o-Xylene	10.50	106	154873	40.97	ng	92

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

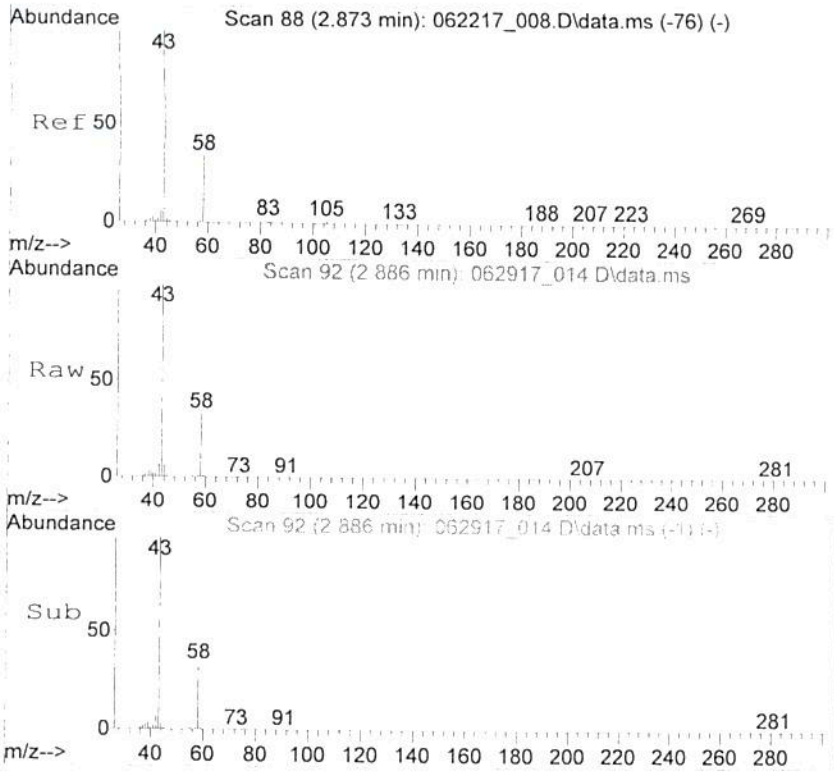
AMH VP1262 07/24/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_014.D
Acq On : 29 Jun 2017 2:17 pm
Operator : AH
Sample : NE39169
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 24 10:54:37 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



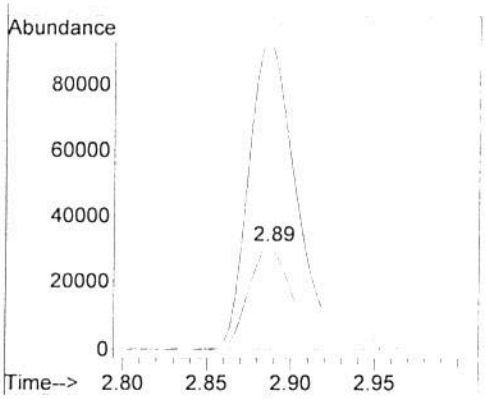
AH VP1262 07/24/2017

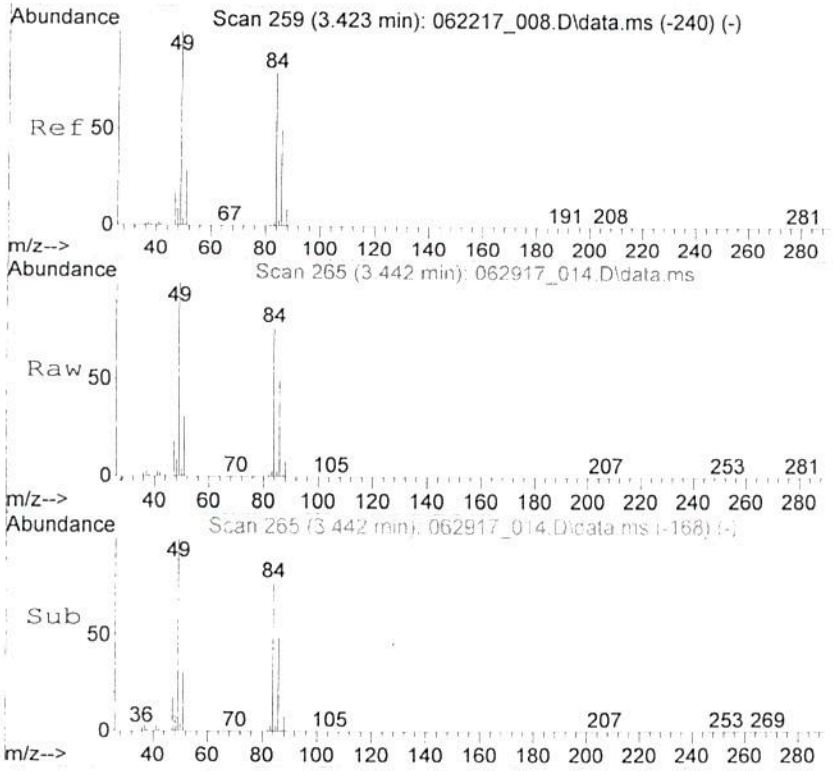


#4
Acetone
Concen: 189.72 ng
RT: 2.89 min Scan# 92
Delta R.T. -0.016 min
Lab File: 062917_014.D
Acq: 29 Jun 2017 2:17 pm

Tgt Ion: 58 Resp: 59198

Ion	Ratio	Lower	Upper
58	100		
43	318.4	277.1	415.7

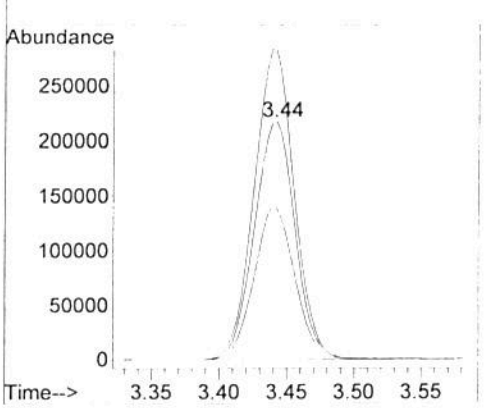




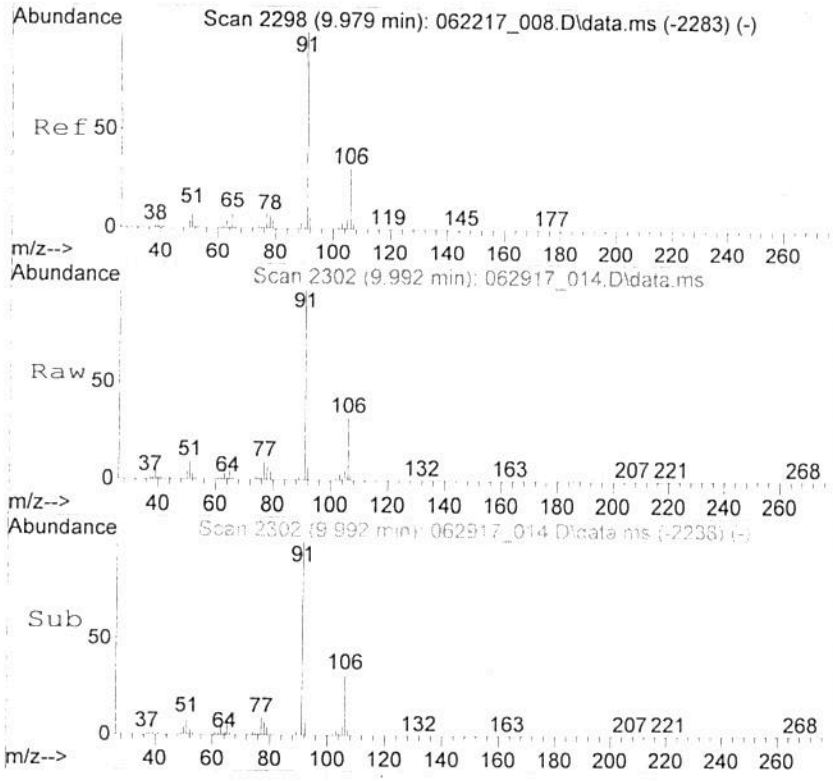
#6
Methylene Chloride
Concen: 212.18 ng
RT: 3.44 min Scan# 265
Delta R.T. -0.003 min
Lab File: 062917_014.D
Acq: 29 Jun 2017 2:17 pm

Tgt Ion: 84 Resp: 456949

Ion	Ratio	Lower	Upper
84	100		
86	64.2	50.7	76.1
49	128.3	117.4	176.0



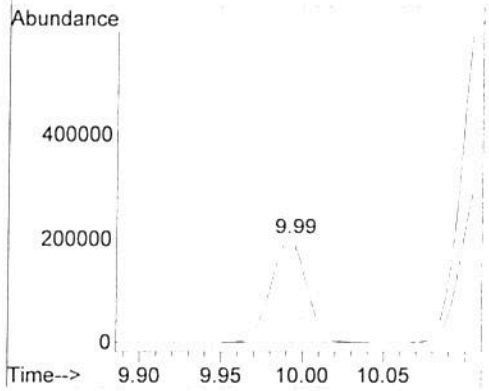
AMH VP1262 07/24/2017

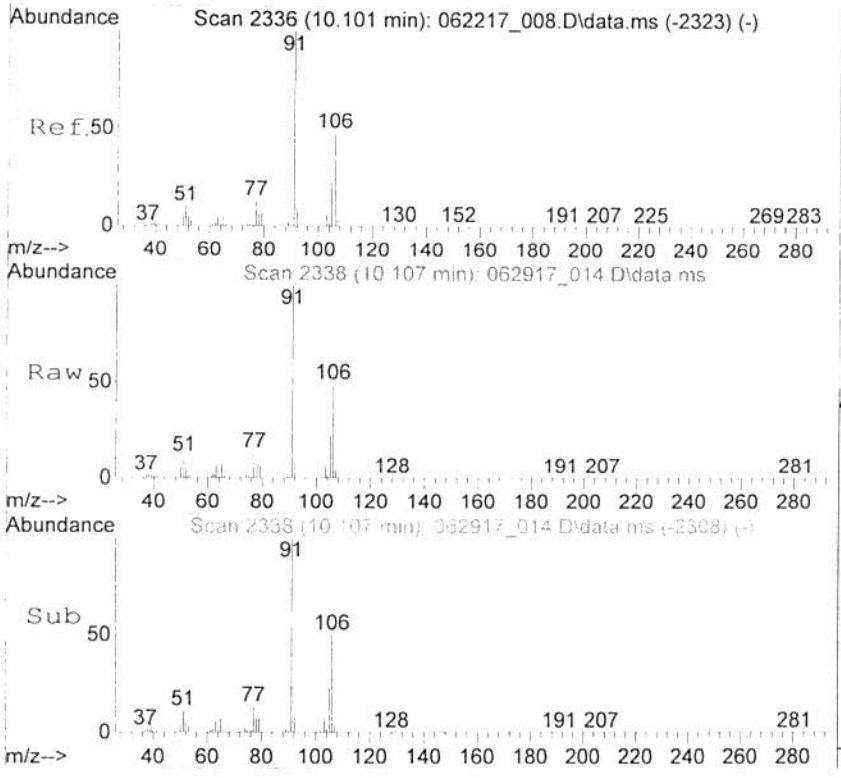


#34
Ethylbenzene
Concen: 31.06 ng
RT: 9.99 min Scan# 2302
Delta R.T. -0.003 min
Lab File: 062917_014.D
Acq: 29 Jun 2017 2:17 pm

Tgt Ion: 91 Resp: 308199

Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.4	35.0

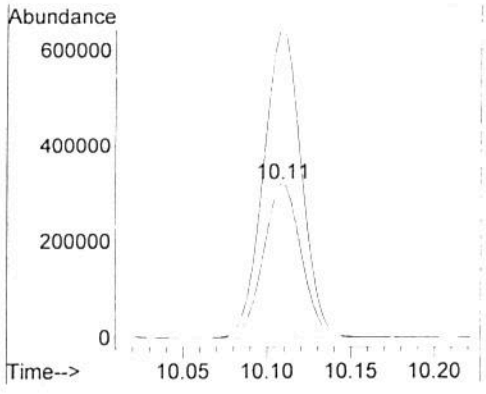




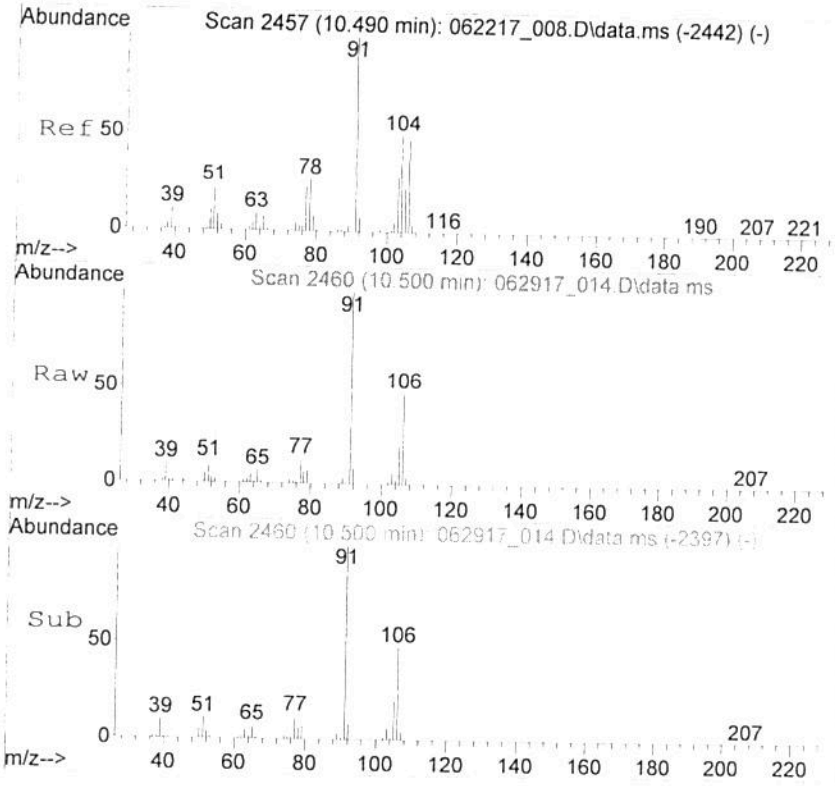
#35
m- &/or p-Xylene
Concen: 130.35 ng
RT: 10.11 min Scan# 2338
Delta R.T. -0.013 min
Lab File: 062917_014.D
Acq: 29 Jun 2017 2:17 pm

Tgt Ion:106 Resp: 498639

Ion	Ratio	Lower	Upper
106	100		
91	202.4	170.2	255.2



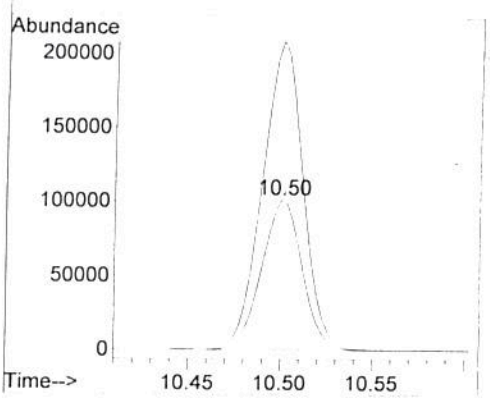
AMH UP1262 07/24/2017



#36
o-Xylene
Concen: 40.97 ng
RT: 10.50 min Scan# 2460
Delta R.T. -0.006 min
Lab File: 062917_014.D
Acq: 29 Jun 2017 2:17 pm

Tgt Ion:106 Resp: 154873

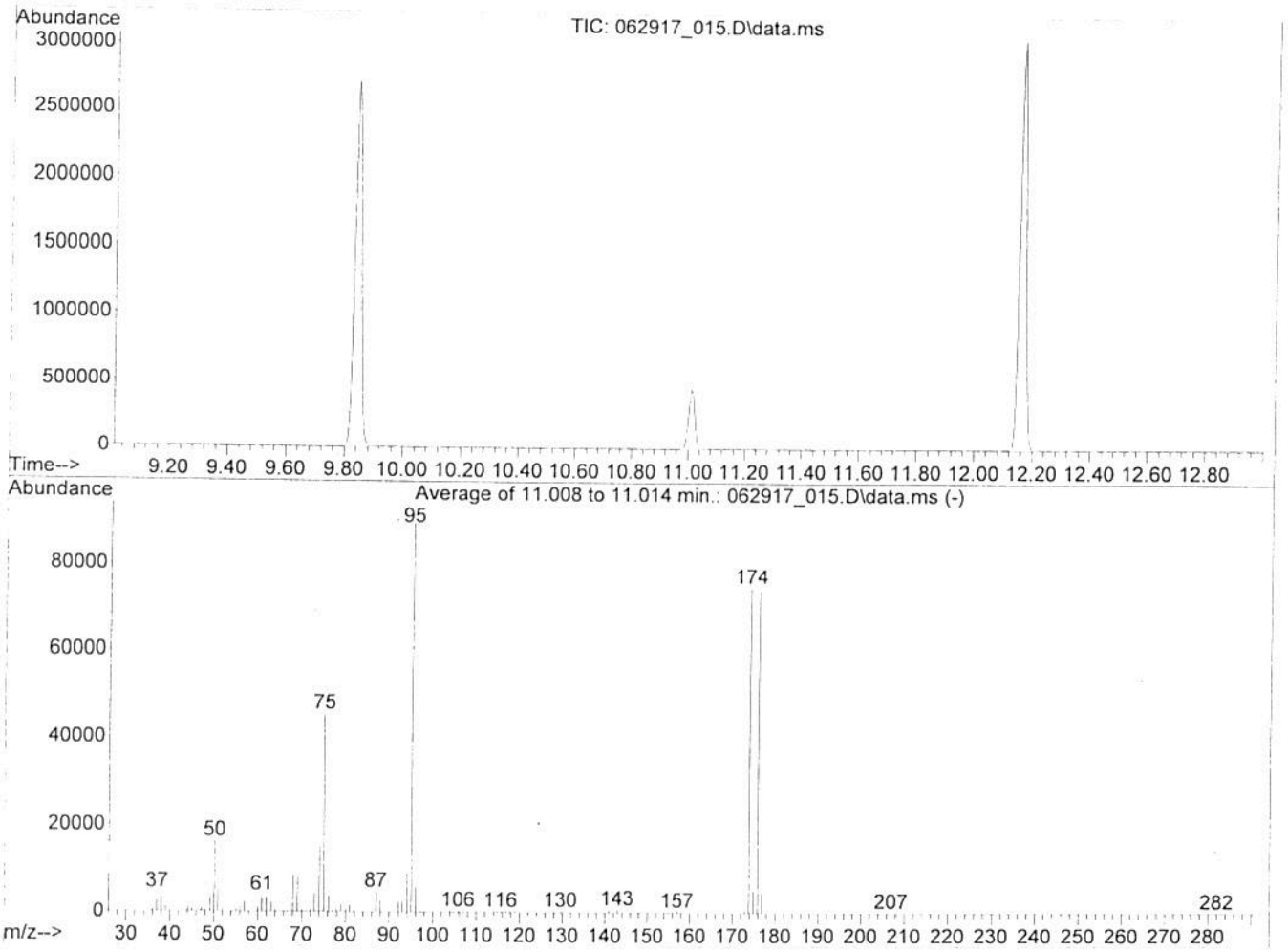
Ion	Ratio	Lower	Upper
106	100		
91	205.9	175.1	262.7



Data Path : D:\Data\Angie\VP1262\
Data File : 062917_015.D
Acq On : 29 Jun 2017 2:42 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 15 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



AutoFind: Scans 2618, 2619, 2620; Background Corrected with Scan 2605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	16221	PASS
75	95	30	60	50.8	45488	PASS
95	95	100	100	100.0	89605	PASS
96	95	5	9	6.6	5937	PASS
173	174	0.00	2	0.8	589	PASS
174	95	50	100	83.9	75157	PASS
175	174	5	9	7.1	5314	PASS
176	174	95	101	99.3	74616	PASS
177	176	5	9	6.4	4767	PASS

AH VP1262 7/24/17

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_015.D
Acq On : 29 Jun 2017 2:42 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 29 15:07:22 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	1912763	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1433572	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	761444	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	111145	50.37 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.74%		
25) Toluene-d8	8.40	98	353467	48.72 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.44%		
41) 4-Bromofluorobenzene	11.01	174	118604	49.12 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.24%		

Target Compounds Qvalue

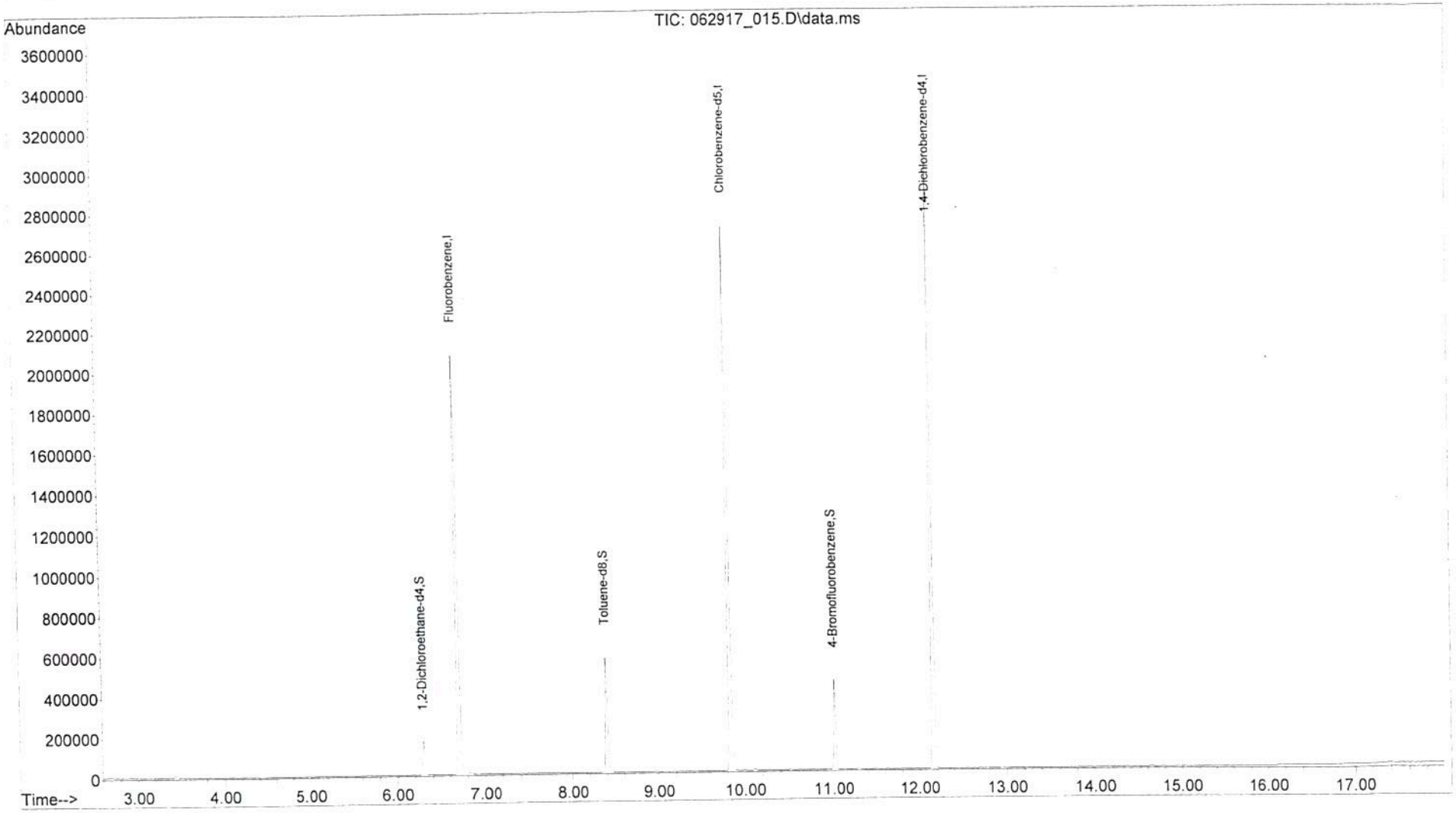
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AHH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_015.D
Acq On : 29 Jun 2017 2:42 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 29 15:07:22 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



GHH VP1262 07/20/2017

Evaluate Continuing Calibration Report

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_016.D
Acq On : 29 Jun 2017 3:06 pm
Operator : AH
Sample : CCV-100ng
Misc : pheno
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 05 13:19:21 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	250.000	250.000	0.0	91	0.02
2	M	1,1,2-Trichloro-1,2,2-trifl	100.000	117.610	-17.6	112	0.00
3	M	1,1-Dichloroethene	100.000	115.876	-15.9	104	0.00
4	M	Acetone	100.000	123.182	-23.2	112	-0.01
5	M	Carbon disulfide	100.000	119.747	-19.7	108	0.00
6	M	Methylene Chloride	100.000	120.938	-20.9	109	0.00
7	M	trans-1,2-Dichloroethene	100.000	113.952	-14.0	106	0.00
8	M	Hexane	100.000	145.473	-45.5#	134	0.00
9	M	1,1-Dichloroethane	100.000	116.252	-16.3	106	0.00
10	M	cis-1,2-Dichloroethene	100.000	114.250	-14.2	106	0.00
11	M	2-Butanone	100.000	108.799	-8.8	97	-0.03
12	M	Chloroform	100.000	116.441	-16.4	105	0.00
13	M	Tetrahydrofuran	100.000	128.898	-28.9#	117	-0.03
14	M	1,1,1-Trichloroethane	100.000	111.816	-11.8	102	0.00
15	M	Carbon tetrachloride	100.000	107.367	-7.4	99	0.00
16	S	1,2-Dichloroethane-d4	50.000	50.731	-1.5	91	0.00
17	M	Benzene	100.000	116.871	-16.9	106	0.00
18	M	1,2-Dichloroethane	100.000	121.560	-21.6	111	0.00
19	M	Trichloroethene	100.000	128.118	-28.1#	113	0.00
20	M	1,2-Dichloropropane	100.000	120.240	-20.2	108	0.00
21	M	Bromodichloromethane	100.000	115.247	-15.2	106	0.00
22	I	Chlorobenzene-d5	250.000	250.000	0.0	90	0.02
23	M	cis-1,3-Dichloropropene	100.000	116.832	-16.8	107	0.00
24	M	4-Methyl-2-pentanone	100.000	118.177	-18.2	107	-0.02
25	S	Toluene-d8	50.000	49.596	0.8	89	0.00
26	M	Toluene	100.000	118.846	-18.8	107	0.00
27	M	trans-1,3-Dichloropropene	100.000	115.550	-15.5	106	0.00
28	M	1,1,2-Trichloroethane	100.000	116.854	-16.9	109	0.00
29	M	Tetrachloroethene	100.000	123.991	-24.0	114	0.00
30	M	2-Hexanone	100.000	116.172	-16.2	111	-0.01
31	M	Dibromochloromethane	100.000	115.671	-15.7	108	0.00
32	M	1,2-Dibromoethane	100.000	120.100	-20.1	108	0.00
33	M	Chlorobenzene	100.000	118.235	-18.2	110	0.00
34	M	Ethylbenzene	100.000	120.084	-20.1	110	0.00
35	M	m- &/or p-Xylene	100.000	122.534	-22.5	114	0.00
36	M	o-Xylene	100.000	119.199	-19.2	110	0.00
37	M	Styrene	100.000	119.393	-19.4	114	0.00
38	M	Bromoform	100.000	111.119	-11.1	105	0.00
39	I	1,4-Dichlorobenzene-d4	250.000	250.000	0.0	91	0.01
40	M	Isopropylbenzene	100.000	124.795	-24.8	112	0.00
41	S	4-Bromofluorobenzene	50.000	50.814	-1.6	93	0.00
42	M	1,1,2,2-Tetrachloroethane	100.000	109.339	-9.3	105	0.00
43	M	n-Propylbenzene	100.000	128.528	-28.5#	117	0.00
44	M	1,3,5-Trimethylbenzene	100.000	124.259	-24.3	116	0.00
45	M	1,2,4-Trimethylbenzene	100.000	123.201	-23.2	115	0.00
46	M	Isobutylbenzene	100.000	135.463	-35.5#	127	0.00
47	M	1,3-Dichlorobenzene	100.000	128.920	-28.9#	117	0.00
48	M	1,4-Dichlorobenzene	100.000	129.328	-29.3#	120	0.00

AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_016.D
Acq On : 29 Jun 2017 3:06 pm
Operator : AH
Sample : CCV-100ng
Misc : pheno
ALS Vial : 16 Sample Multiplier: 1

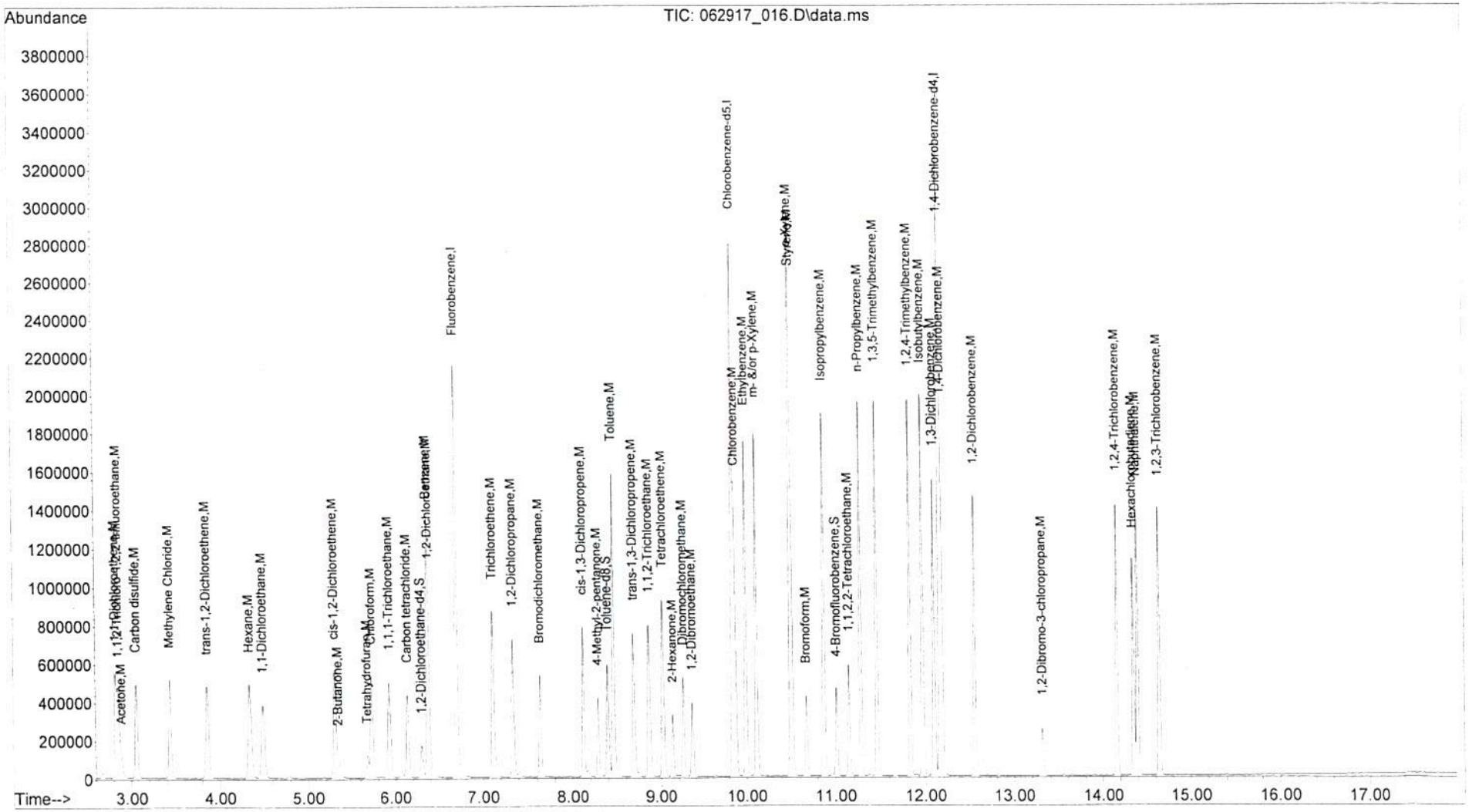
Quant Time: Jul 05 13:19:21 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.71	96	1958203	250.00	ng		0.02
22) Chlorobenzene-d5	9.84	117	1481737	250.00	ng		0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	789560	250.00	ng		0.01
System Monitoring Compounds							
16) 1,2-Dichloroethane-d4	6.30	65	114597	50.73	ng		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.46%				
25) Toluene-d8	8.40	98	371929	49.60	ng		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.20%				
41) 4-Bromofluorobenzene	11.01	174	127222	50.81	ng		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.62%				
Target Compounds							Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.85	151	170333	117.61	ng		97
3) 1,1-Dichloroethene	2.82	96	200577	115.88	ng		92
4) Acetone	2.89	58	37756	123.18	ng		90
5) Carbon disulfide	3.06	76	704826	119.75	ng		100
6) Methylene Chloride	3.44	84	262390	120.94	ng		90
7) trans-1,2-Dichloroethene	3.86	96	230597	113.95	ng		95
8) Hexane	4.34	57	286159	145.47	ng		95
9) 1,1-Dichloroethane	4.49	63	443209	116.25	ng		99
10) cis-1,2-Dichloroethene	5.30	96	264103	114.25	ng		96
11) 2-Butanone	5.34	72	31285	108.80	ng		71
12) Chloroform	5.73	83	426107	116.44	ng		99
13) Tetrahydrofuran	5.68	42	85405	128.90	ng		91
14) 1,1,1-Trichloroethane	5.93	97	332820	111.82	ng		97
15) Carbon tetrachloride	6.14	117	274573	107.37	ng		99
17) Benzene	6.37	78	1012098	116.87	ng		97
18) 1,2-Dichloroethane	6.39	62	362433	121.56	ng		99
19) Trichloroethene	7.11	95	288986	128.12	ng		99
20) 1,2-Dichloropropane	7.34	63	267896	120.24	ng		100
21) Bromodichloromethane	7.64	83	329848	115.25	ng		99
23) cis-1,3-Dichloropropene	8.12	75	427300	116.83	ng	#	89
24) 4-Methyl-2-pentanone	8.29	58	101307	118.18	ng		83
26) Toluene	8.46	92	626099	118.85	ng		97
27) trans-1,3-Dichloropropene	8.69	75	390334	115.55	ng	#	90
28) 1,1,2-Trichloroethane	8.87	83	207881	116.85	ng		99
29) Tetrachloroethene	9.02	164	207527	123.99	ng		98
30) 2-Hexanone	9.14	43	202189	116.17	ng		94
31) Dibromochloromethane	9.26	129	254763	115.67	ng		99
32) 1,2-Dibromoethane	9.36	107	251767	120.10	ng		99
33) Chlorobenzene	9.87	112	719824	118.23	ng		100
34) Ethylbenzene	9.99	91	1213893	120.08	ng		96
35) m- &/or p-Xylene	10.11	106	477158	122.53	ng		92
36) o-Xylene	10.50	106	458941	119.20	ng		100
37) Styrene	10.51	104	806409	119.39	ng		97
38) Bromoform	10.67	173	190969	111.12	ng		99
40) Isopropylbenzene	10.87	105	1193092	124.79	ng		99
42) 1,1,2,2-Tetrachloroethane	11.15	83	272960	109.34	ng		99
43) n-Propylbenzene	11.28	91	1471263	128.53	ng		97
44) 1,3,5-Trimethylbenzene	11.46	105	1036898	124.26	ng		99
45) 1,2,4-Trimethylbenzene	11.83	105	1043341	123.20	ng		98
46) Isobutylbenzene	11.97	91	1109066	135.46	ng		99

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_016.D
Acq On : 29 Jun 2017 3:06 pm
Operator : AH
Sample : CCV-100ng
Misc : pheno
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 05 13:19:21 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



AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_017.D
Acq On : 29 Jun 2017 3:31 pm
Operator : AH
Sample : NE39175
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 05 14:18:14 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	1913290	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1451593	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	752920	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	112788	51.10 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery	= 102.20%	
25) Toluene-d8	8.40	98	370849	50.48 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery	= 100.96%	
41) 4-Bromofluorobenzene	11.01	174	117293	49.13 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery	= 98.26%	
Target Compounds					Qvalue
8) Hexane	4.34	57	1809	Below Cal #	87

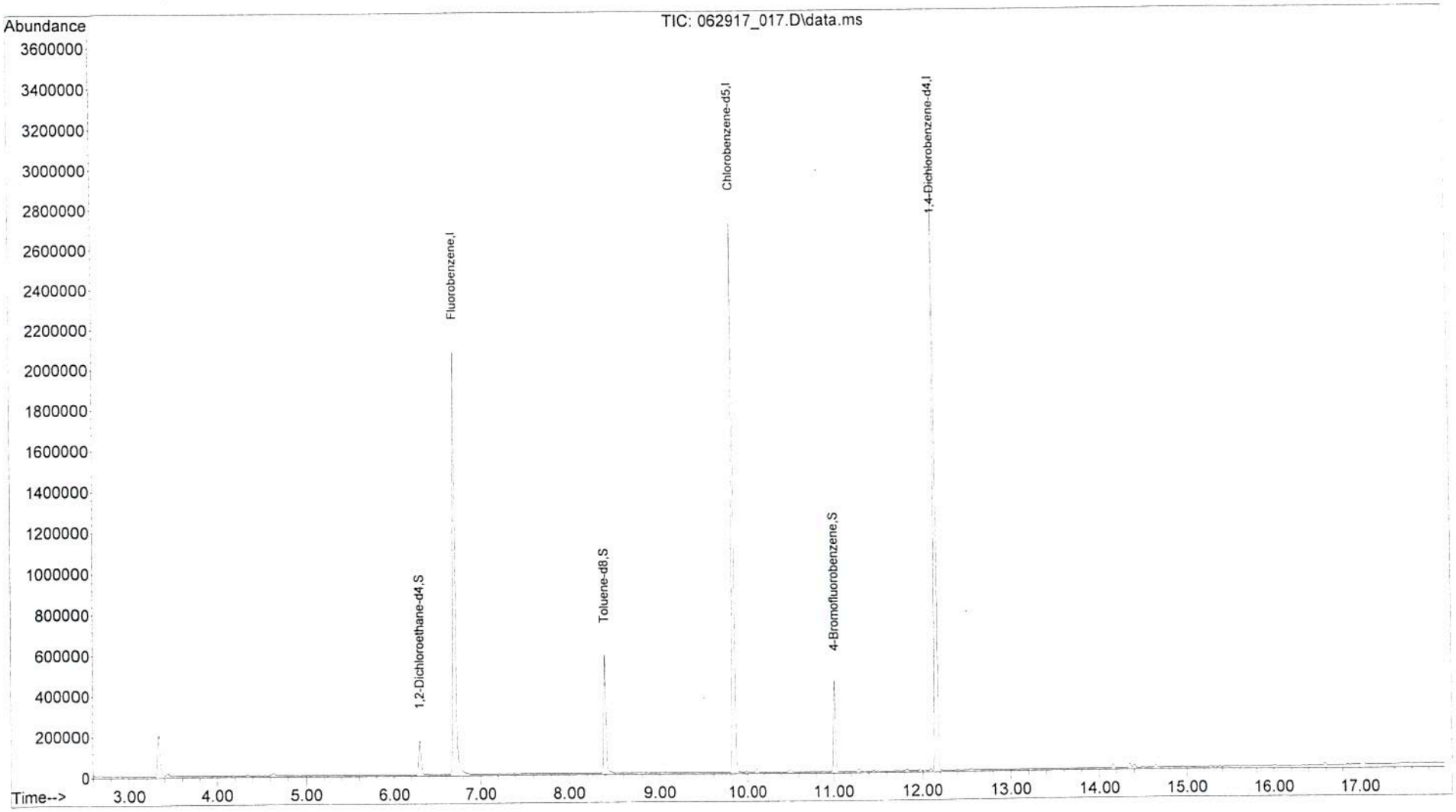
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data not used. Reanalyzed @ 062917-032
AH 7/5/17

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_017.D
Acq On : 29 Jun 2017 3:31 pm
Operator : AH
Sample : NE39175
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 05 14:18:14 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 07/29/2017

Quantitation Report (Not Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_018.D
Acq On : 29 Jun 2017 3:55 pm
Operator : AH
Sample : NE39179
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 05 14:19:39 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	1974505	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1470591	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	769883	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	117120	51.42	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.84%			
25) Toluene-d8	8.40	98	370194	49.74	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.48%			
41) 4-Bromofluorobenzene	11.01	174	123177	50.46	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.92%			
Target Compounds						Qvalue
4) Acetone	2.88	58	232695	710.14	ng	86
6) Methylene Chloride	3.44	84	4980483	2276.60	ng	90
34) Ethylbenzene	9.99	91	996960	99.37	ng	98
35) m- &/or p-Xylene	10.11	106	1495284	383.92	ng	95
36) o-Xylene	10.50	106	191879	50.21	ng	99

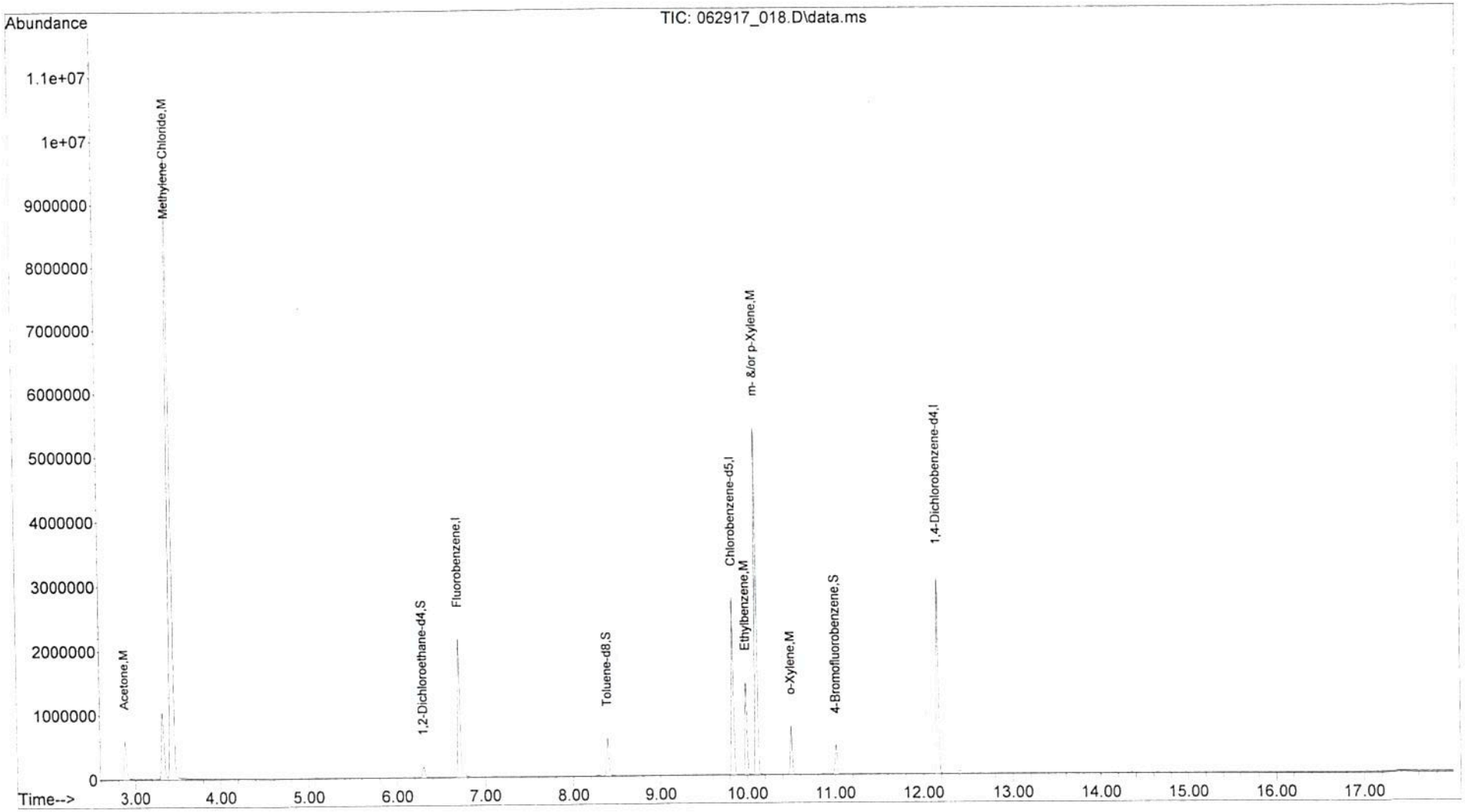
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data not used seen 062917-029
AH 07/5/17

Quantitation Report (Not Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_018.D
Acq On : 29 Jun 2017 3:55 pm
Operator : AH
Sample : NE39179
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 05 14:19:39 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



AMH VP1262 07/20/2017

Quantitation Report (Not Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_019.D
Acq On : 29 Jun 2017 4:19 pm
Operator : AH
Sample : NE39180
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 05 14:19:48 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	1684482	250.00 ng	0.02
22) Chlorobenzene-d5	9.84	117	1259013	250.00 ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	666222	250.00 ng	0.01
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.30	65	100293	51.61 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery	= 103.22%	
25) Toluene-d8	8.40	98	312782	49.09 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery	= 98.18%	
41) 4-Bromofluorobenzene	11.01	174	106139	50.24 ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery	= 100.48%	
					Qvalue
Target Compounds					
4) Acetone	2.88	58	232011	828.55 ng	87
6) Methylene Chloride	3.44	84	4838507	2592.50 ng	90
34) Ethylbenzene	9.99	91	721985	84.06 ng	96
35) m- &/or p-Xylene	10.11	106	1072697	321.92 ng	95
36) o-Xylene	10.50	106	148431	45.37 ng	98

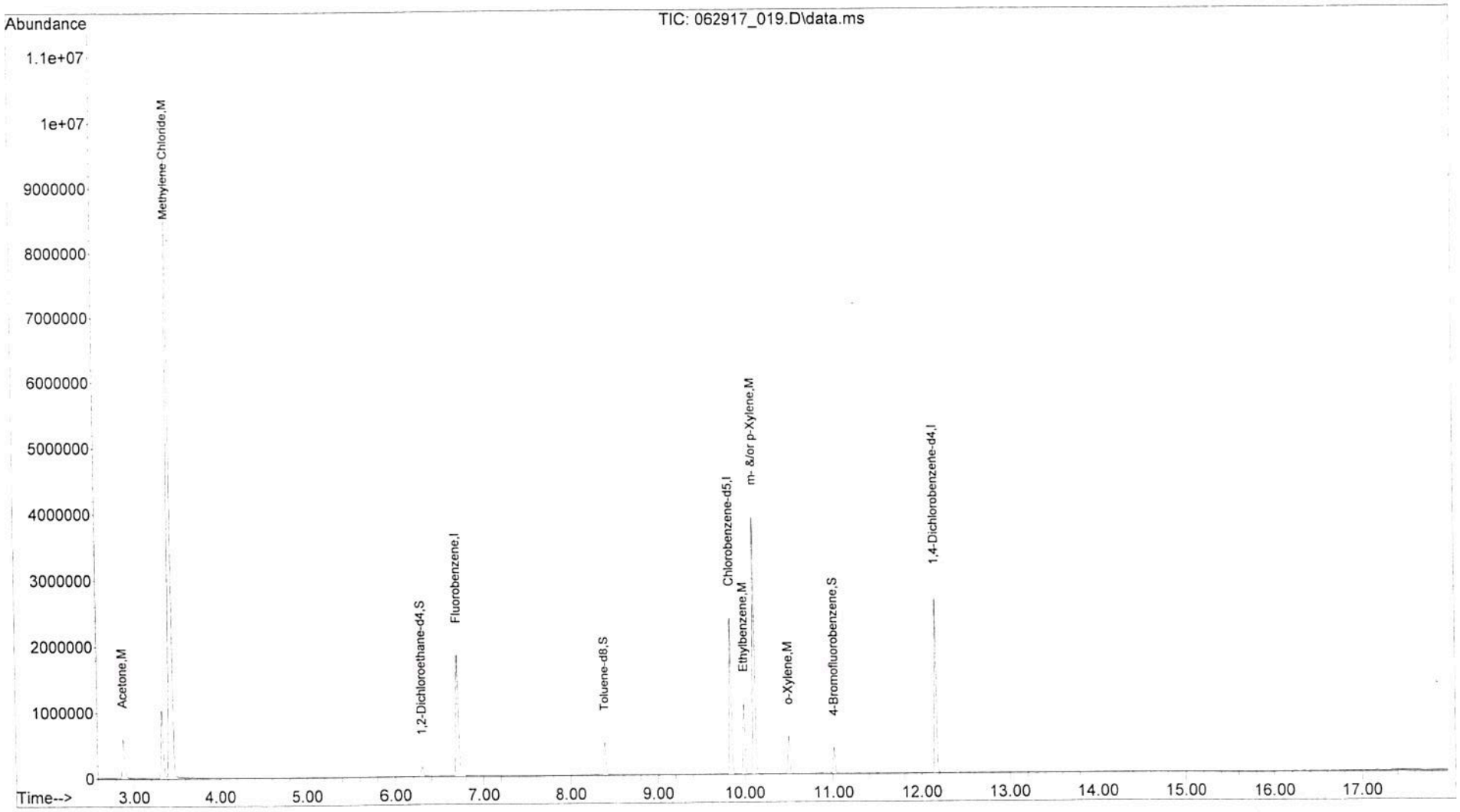
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data not used see 062917_030
AH 7/5/17

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_019.D
Acq On : 29 Jun 2017 4:19 pm
Operator : AH
Sample : NE39180
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 05 14:19:48 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 07/26/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_020.D
Acq On : 29 Jun 2017 4:44 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 05 14:22:14 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

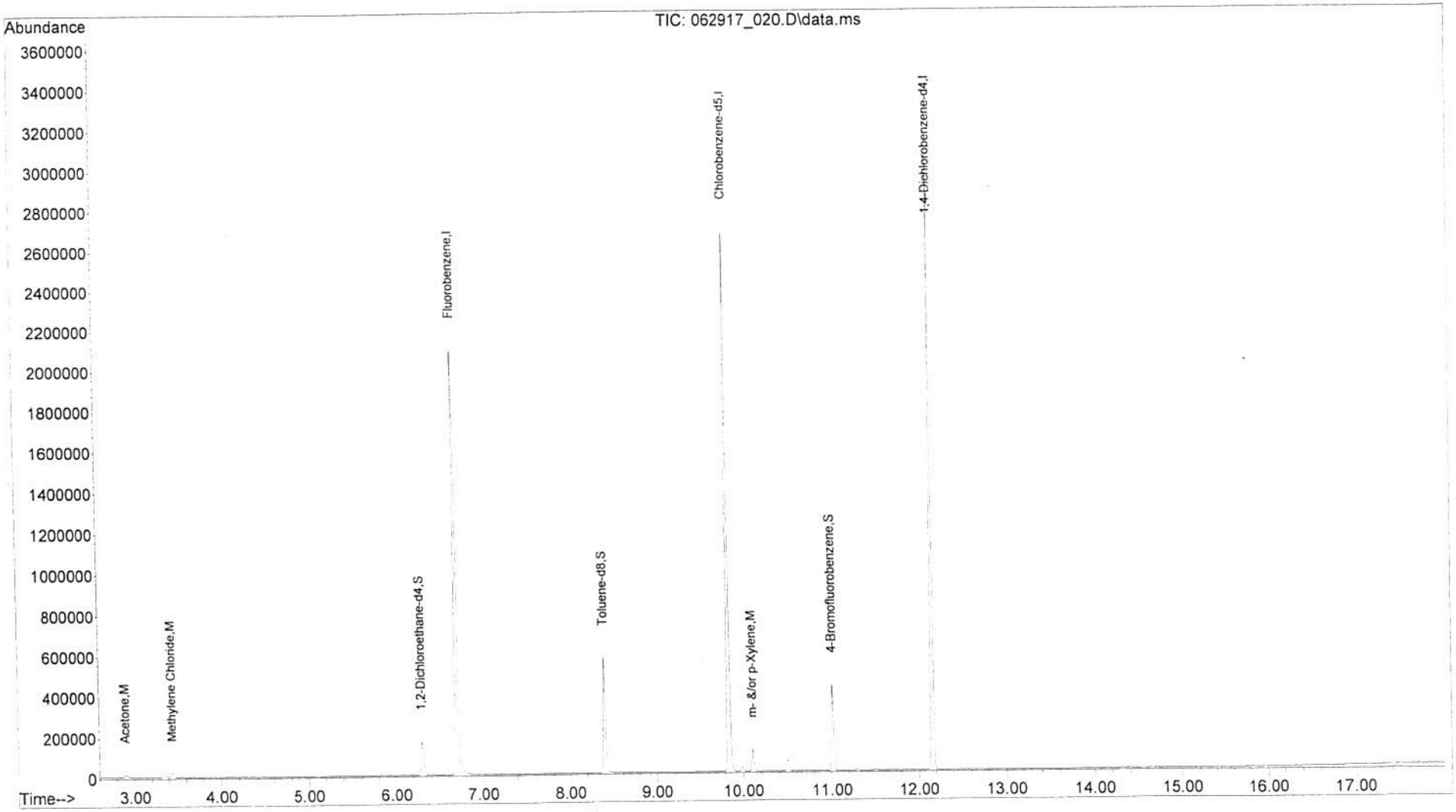
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.71	96	1892738	250.00	ng		0.02
22) Chlorobenzene-d5	9.84	117	1418679	250.00	ng		0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	743727	250.00	ng		0.01
System Monitoring Compounds							
16) 1,2-Dichloroethane-d4	6.30	65	111748	51.18	ng		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.36%				
25) Toluene-d8	8.40	98	352168	49.05	ng		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.10%				
41) 4-Bromofluorobenzene	11.01	174	115850	49.12	ng		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.24%				
Target Compounds							Qvalue
4) Acetone	2.90	58	5734	26.41	ng		87
6) Methylene Chloride	3.44	84	11659	5.56	ng	#	81
35) m- &/or p-Xylene	10.11	106	27223	8.60	ng		97

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_020.D
Acq On : 29 Jun 2017 4:44 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 05 14:22:14 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



AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062917_021.D
Acq On : 29 Jun 2017 5:08 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 30 08:29:12 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	2002432	250.00	ng	0.02
22) Chlorobenzene-d5	9.84	117	1534536	250.00	ng	0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	790432	250.00	ng	0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	116795	50.56	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.12%			
25) Toluene-d8	8.40	98	380380	48.98	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.96%			
41) 4-Bromofluorobenzene	11.01	174	127254	50.77	ng	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.54%			
Target Compounds						Qvalue
35) m- &/or p-Xylene	10.11	106	18109	5.82	ng	97

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

VOA_June2017.M Wed Jul 05 14:23:04 2017

AMH VP1262 07/20/2017