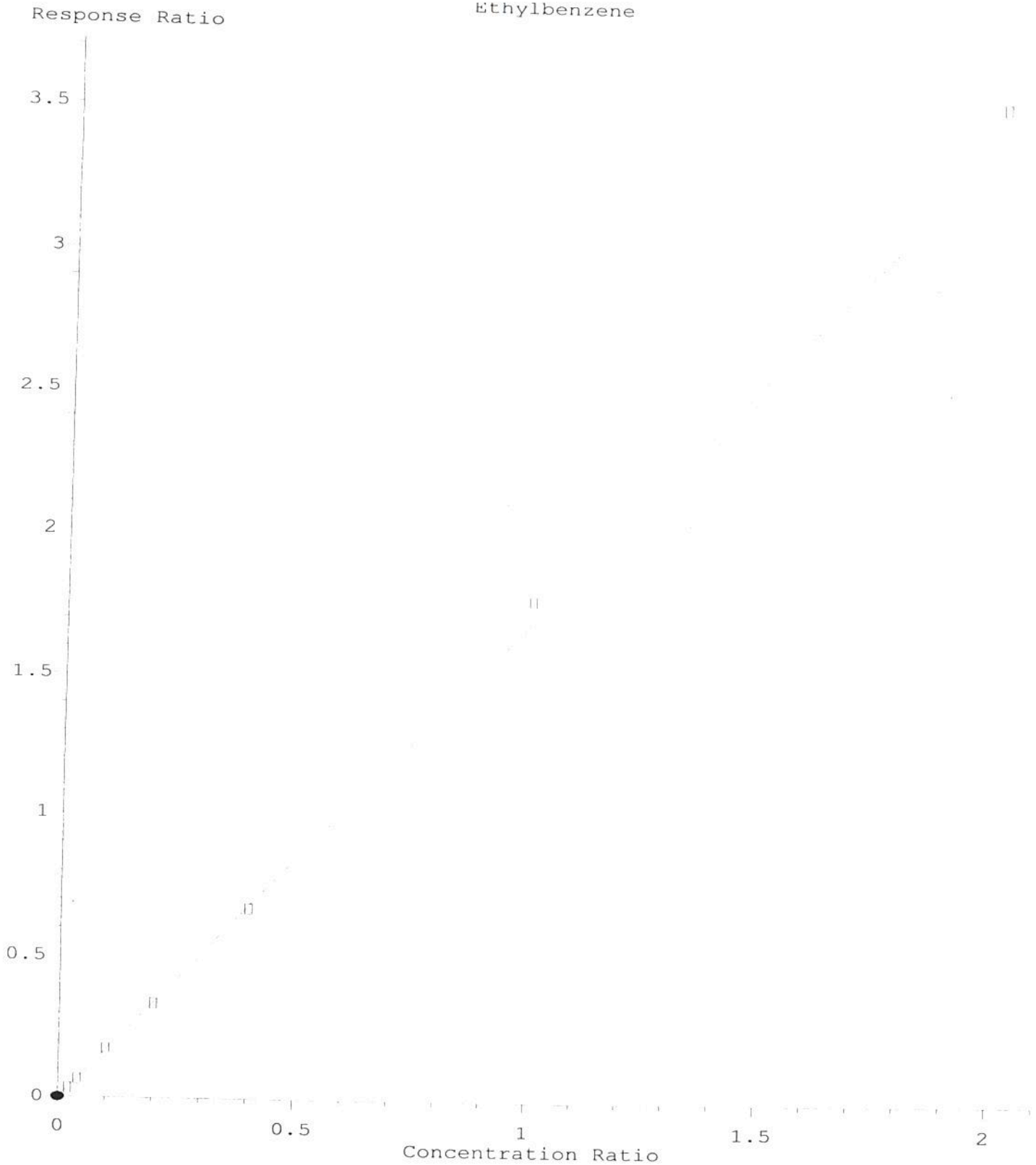
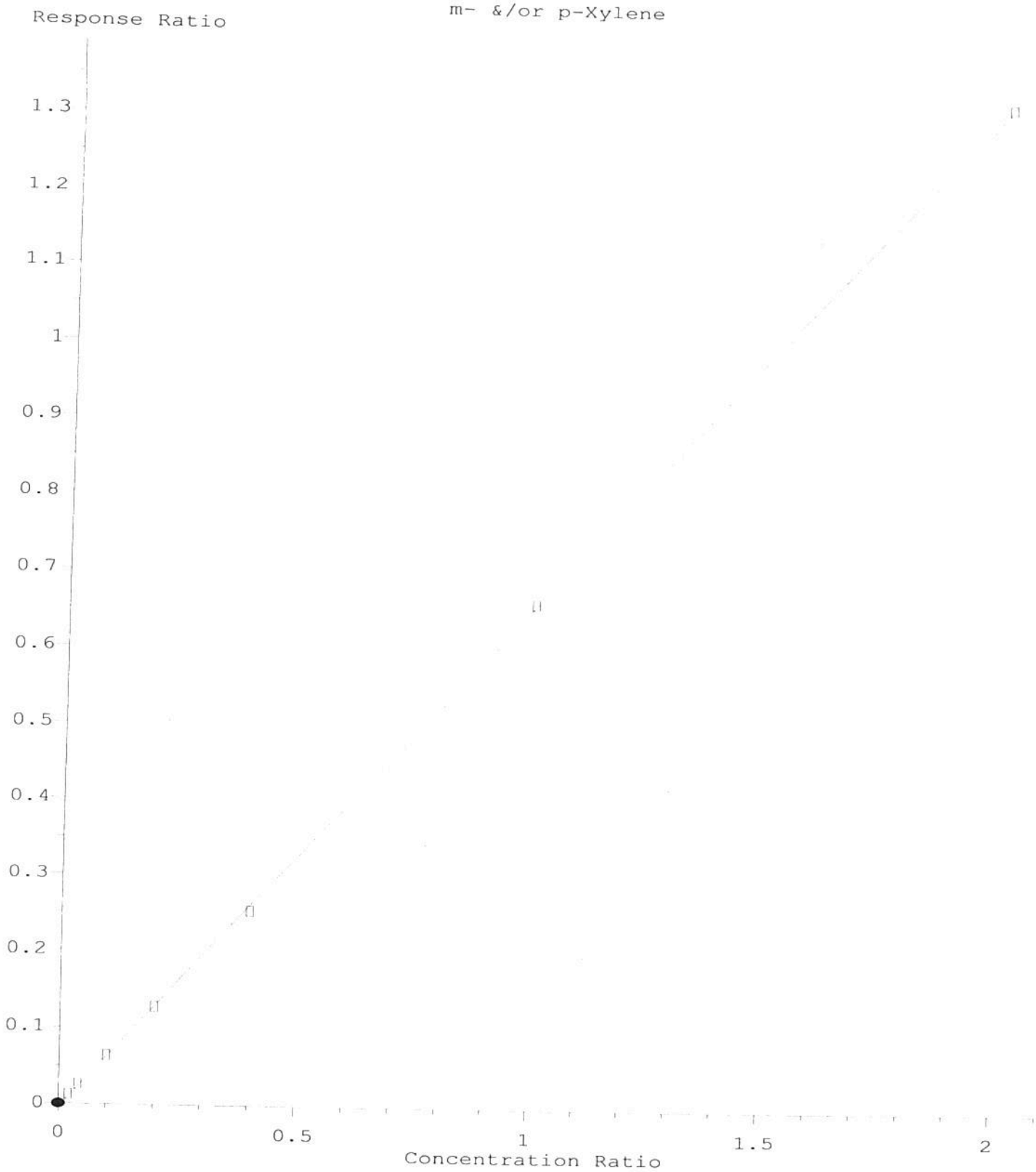
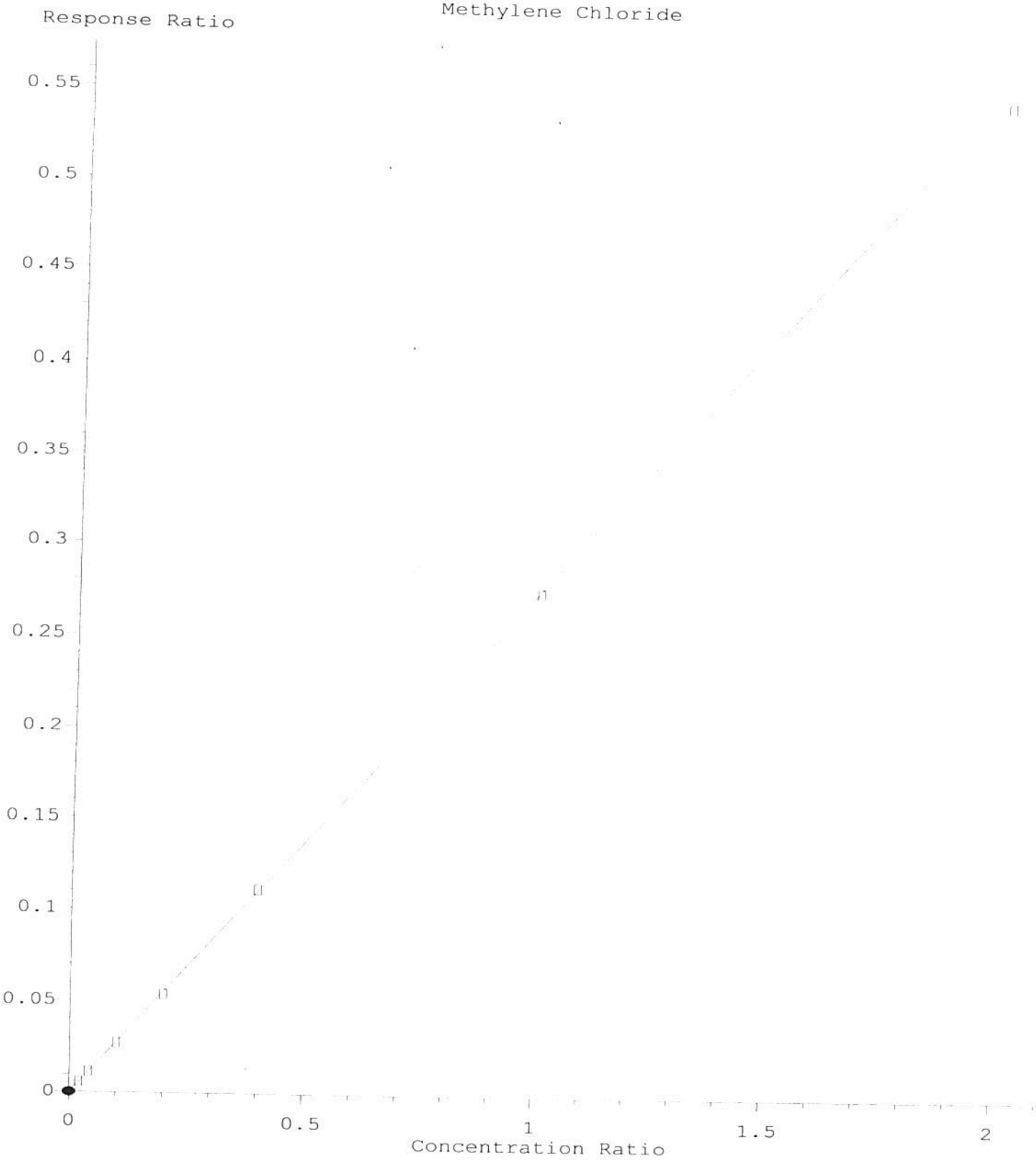


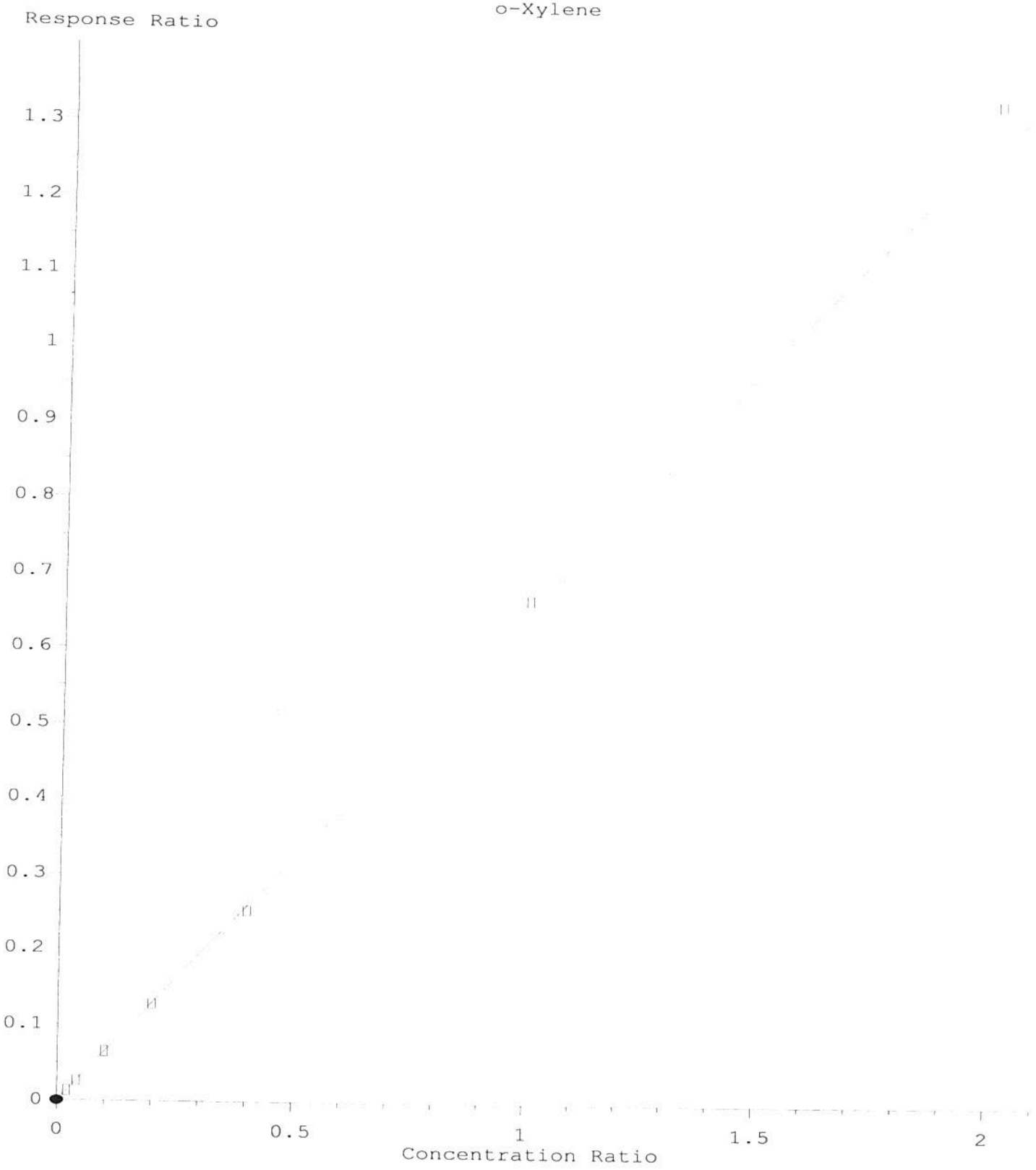
Response = 1.71e+000 * Amt
Rel Std Dev = 3.5% Curve Fit: Avg RF
thod Name: C:\MSDCHEM\1\METHODS\VOA_June2017.M
libration Table Last Updated: Thu Jun 22 13:44:54 2017



Response = 6.65e-001 * Amt - 3.67e-003
ɔef of Det (r^2) = 1.000 Curve Fit: Linear
ethod Name: C:\MSDCHEM\1\METHODS\VOA_June2017.M
libration Table Last Updated: Thu Jun 22 13:44:54 2017



Response = 2.77e-001 * Amt
Rel Std Dev = 2.3% Curve Fit: Avg RF
thod Name: C:\MSDCHEM\1\METHODS\VOA_June2017.M
libration Table Last Updated: Thu Jun 22 13:44:54 2017

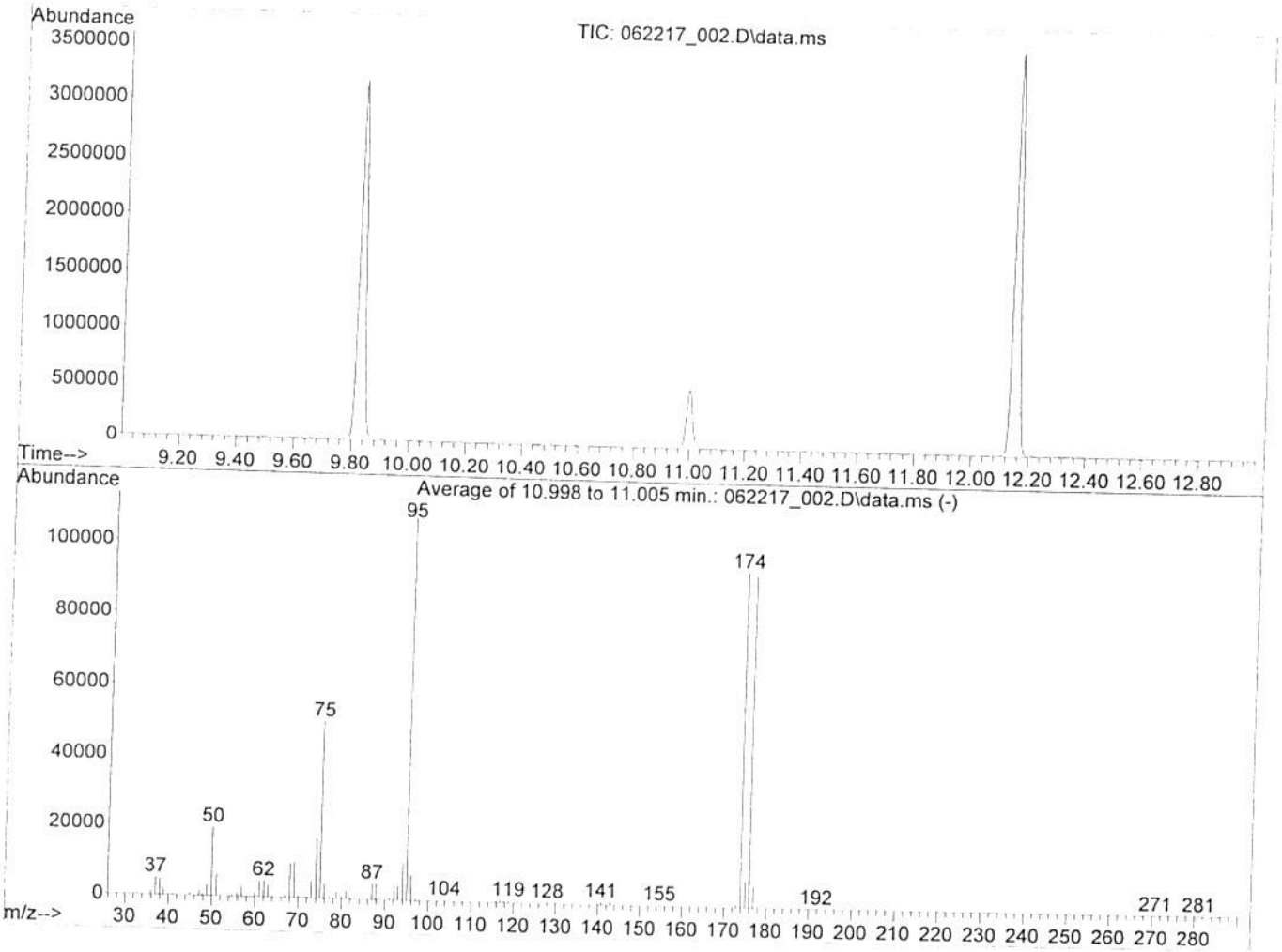


Response = 6.50e-001 * Amt
F Rel Std Dev = 2.1% Curve Fit: Avg RF
ethod Name: C:\MSDCHEM\1\METHODS\VOA_June2017.M
alibration Table Last Updated: Thu Jun 22 13:44:54 2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_002.D
Acq On : 22 Jun 2017 10:03 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 2 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 2615, 2616, 2617; Background Corrected with Scan 2602

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	19571	PASS
75	95	30	60	46.8	50525	PASS
95	95	100	100	100.0	107888	PASS
96	95	5	9	6.7	7210	PASS
173	174	0.00	2	1.0	971	PASS
174	95	50	100	88.2	95189	PASS
175	174	5	9	7.9	7530	PASS
176	174	95	101	99.1	94336	PASS
177	176	5	9	6.5	6135	PASS

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_001.D
Acq On : 22 Jun 2017 9:39 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 11:32:48 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	6.69	96	2444318	250.00	ng	0.00
22) Chlorobenzene-d5	9.83	117	1721260	250.00	ng	0.00
39) 1,4-Dichlorobenzene-d4	12.15	152	913375	250.00	ng	0.00
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.28	65	135540	48.07	ng	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.14%			
25) Toluene-d8	8.38	98	459514	52.75	ng	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.50%			
41) 4-Bromofluorobenzene	11.00	174	153224	52.90	ng	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.80%			

Target Compounds

Qvalue

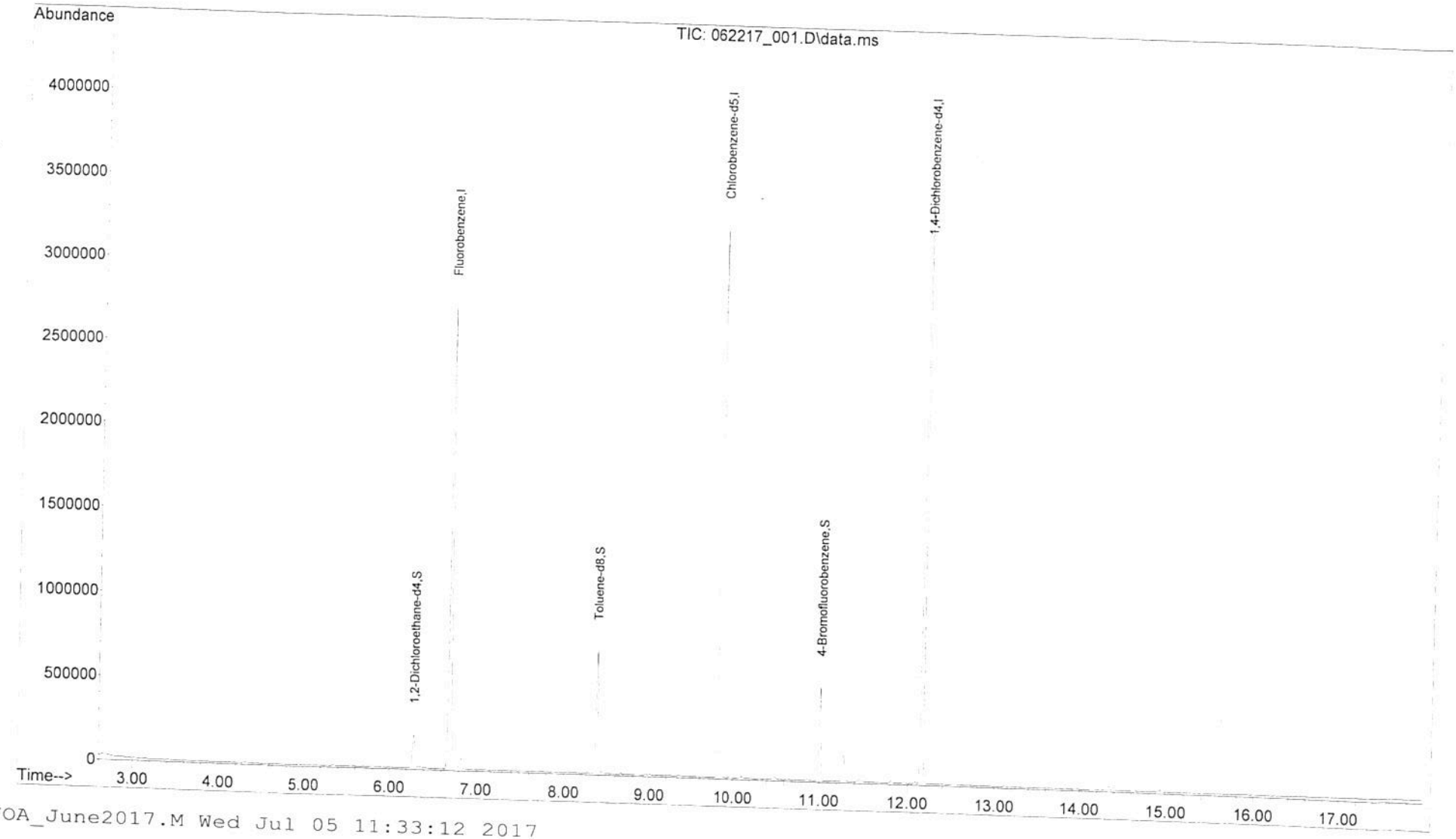
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_001.D
Acq On : 22 Jun 2017 9:39 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 11:32:48 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

VP1262 AMH 7/30/17



Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_002.D
Acq On : 22 Jun 2017 10:03 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 11:33:31 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	6.69	96	2319611	250.00	ng	0.00
22) Chlorobenzene-d5	9.83	117	1675713	250.00	ng	0.00
39) 1,4-Dichlorobenzene-d4	12.15	152	898047	250.00	ng	0.00
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.28	65	133060	49.73	ng	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.46%			
25) Toluene-d8	8.38	98	438734	51.73	ng	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.46%			
41) 4-Bromofluorobenzene	11.00	174	148924	52.30	ng	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.60%			

Target Compounds

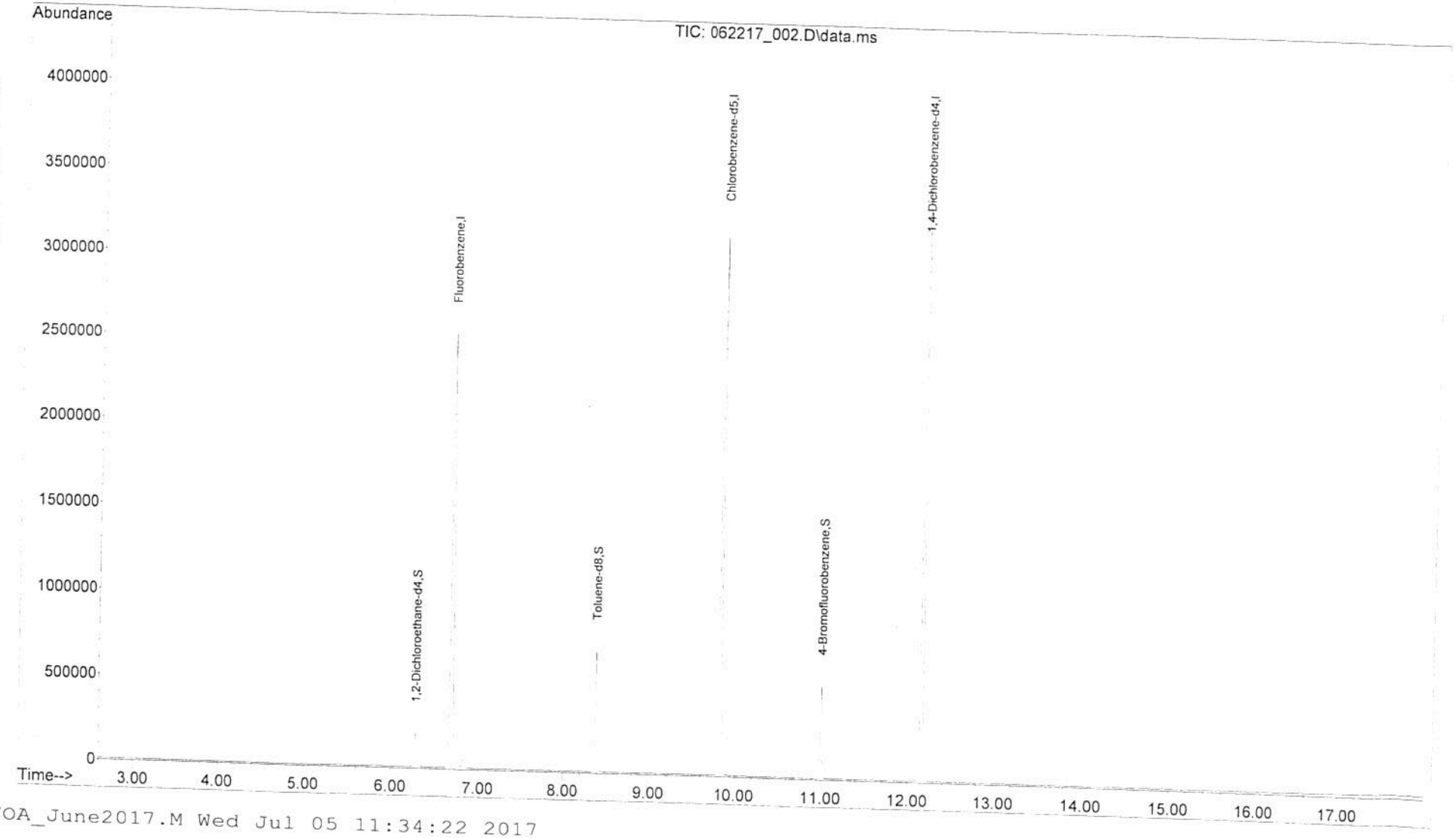
Qvalue

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_002.D
Acq On : 22 Jun 2017 10:03 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 11:33:31 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

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_003.D
Acq On : 22 Jun 2017 10:28 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 11:34:37 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	6.69	96	2204222	250.00 ng	0.00
22) Chlorobenzene-d5	9.83	117	1648888	250.00 ng	0.00
39) 1,4-Dichlorobenzene-d4	12.15	152	869913	250.00 ng	0.00
System Monitoring Compounds					
16) 1,2-Dichloroethane-d4	6.28	65	129813	51.05 ng	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.10%		
25) Toluene-d8	8.38	98	422624	50.64 ng	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.28%		
41) 4-Bromofluorobenzene	11.00	174	140850	51.06 ng	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.12%		

Target Compounds

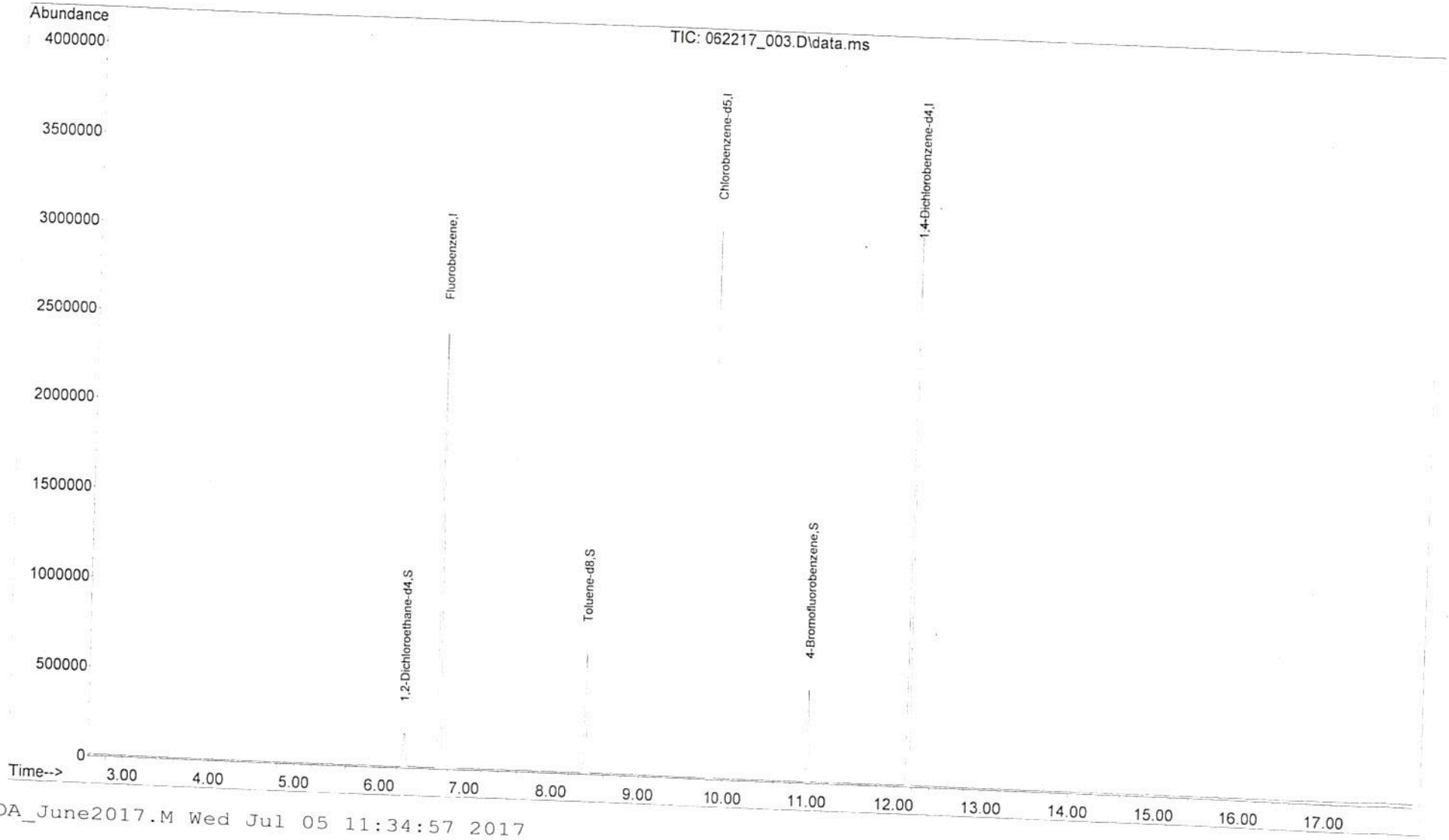
Qvalue

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_003.D
Acq On : 22 Jun 2017 10:28 am
Operator : AH
Sample : Blank
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 11:34:37 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



AHH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_004.D
Acq On : 22 Jun 2017 10:52 am
Operator : AH
Sample : 5ng
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 05 11:39:33 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

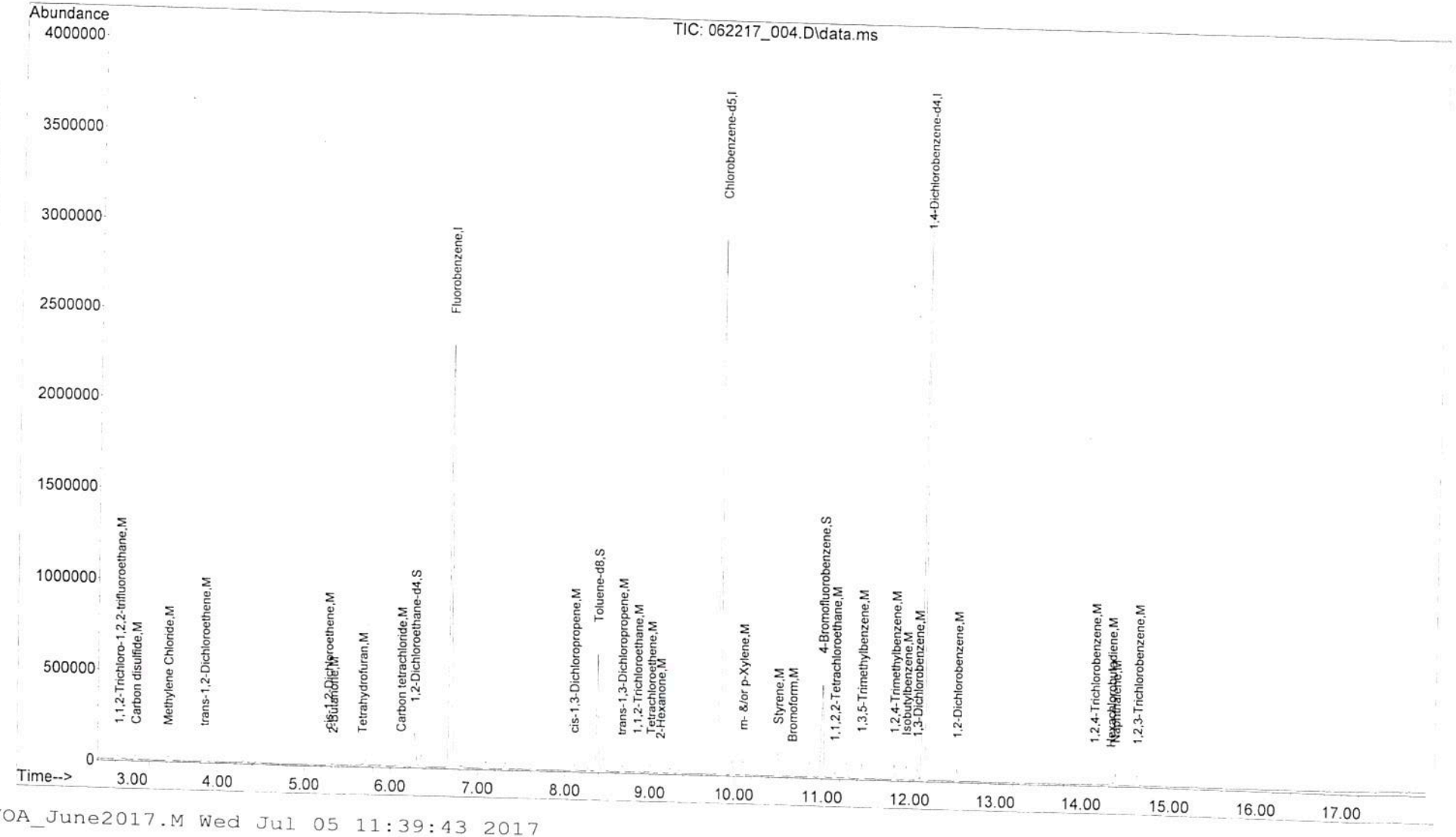
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	6.69	96	2131519	250.00 ng		0.00
22) Chlorobenzene-d5	9.83	117	1608759	250.00 ng		0.00
39) 1,4-Dichlorobenzene-d4	12.15	152	841814	250.00 ng		0.00
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.28	65	123421	50.19 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.38%			
25) Toluene-d8	8.38	98	401428	49.30 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.60%			
41) 4-Bromofluorobenzene	11.00	174	137720	51.59 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.18%			
Target Compounds						Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.84	151	7175m	6.29 ng		
5) Carbon disulfide	3.04	76	32876	5.13 ng		100
6) Methylene Chloride	3.42	84	12269	5.20 ng		87
7) trans-1,2-Dichloroethene	3.84	96	12077	5.48 ng		88
10) cis-1,2-Dichloroethene	5.28	96	13165	5.23 ng		90
11) 2-Butanone	5.34	72	1298	8.64 ng		69
13) Tetrahydrofuran	5.68	42	4484m	6.22 ng		
15) Carbon tetrachloride	6.12	117	12481	5.94 ng		95
23) cis-1,3-Dichloropropene	8.11	75	19955	5.03 ng	#	88
27) trans-1,3-Dichloropropene	8.67	75	18341	5.00 ng		93
28) 1,1,2-Trichloroethane	8.85	83	9840	5.09 ng		95
29) Tetrachloroethene	9.01	164	9159	5.04 ng		95
30) 2-Hexanone	9.12	43	11403	7.55 ng	#	96
35) m- &/or p-Xylene	10.10	106	19366	5.91 ng		93
37) Styrene	10.50	104	33893	7.65 ng		96
38) Bromoform	10.66	173	8691	8.48 ng		92
42) 1,1,2,2-Tetrachloroethane	11.14	83	13464	7.13 ng	#	97
44) 1,3,5-Trimethylbenzene	11.45	105	40839	5.84 ng		98
45) 1,2,4-Trimethylbenzene	11.82	105	43747	6.21 ng		95
46) Isobutylbenzene	11.96	91	40147	5.82 ng		97
47) 1,3-Dichlorobenzene	12.08	146	25449	5.03 ng		94
49) 1,2-Dichlorobenzene	12.54	146	26563	5.23 ng		94
51) 1,2,4-Trichlorobenzene	14.15	180	17485	5.14 ng		97
52) Hexachlorobutadiene	14.34	225	7005	5.22 ng		95
53) Naphthalene	14.39	128	45572	7.72 ng		98
54) 1,2,3-Trichlorobenzene	14.63	180	16422	6.82 ng		96

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

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_004.D
Acq On : 22 Jun 2017 10:52 am
Operator : AH
Sample : 5ng
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 05 11:39:33 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



AHH UP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_005.D
Acq On : 22 Jun 2017 11:17 am
Operator : AH
Sample : 10ng
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 11:40:05 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	6.69	96	2172561	250.00	ng		0.00
22) Chlorobenzene-d5	9.83	117	1630111	250.00	ng		0.00
39) 1,4-Dichlorobenzene-d4	12.15	152	868326	250.00	ng		0.00
System Monitoring Compounds							
16) 1,2-Dichloroethane-d4	6.28	65	125680	50.15	ng		-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.30%				
25) Toluene-d8	8.38	98	412144	49.96	ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.92%				
41) 4-Bromofluorobenzene	11.00	174	138654	50.36	ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.72%				
Target Compounds							Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.84	151	15939	11.46	ng		98
3) 1,1-Dichloroethene	2.81	96	20336	8.58	ng		84
4) Acetone	2.88	58	3254	17.29	ng		91
5) Carbon disulfide	3.04	76	69302	10.61	ng		99
6) Methylene Chloride	3.42	84	24469	10.17	ng		90
7) trans-1,2-Dichloroethene	3.84	96	23770	10.59	ng		87
8) Hexane	4.32	57	21011	8.54	ng	#	86
9) 1,1-Dichloroethane	4.47	63	41685	9.86	ng	#	96
10) cis-1,2-Dichloroethene	5.29	96	25604	9.98	ng		93
11) 2-Butanone	5.34	72	3309	14.60	ng	#	40
12) Chloroform	5.72	83	41573	10.24	ng		97
13) Tetrahydrofuran	5.66	42	7738	10.53	ng	#	81
14) 1,1,1-Trichloroethane	5.92	97	33557	9.67	ng		95
15) Carbon tetrachloride	6.13	117	24696	10.10	ng		98
17) Benzene	6.36	78	96423	10.04	ng		97
18) 1,2-Dichloroethane	6.37	62	34092	10.31	ng		94
19) Trichloroethene	7.10	95	23942	9.57	ng		93
20) 1,2-Dichloropropane	7.32	63	25205	10.20	ng	#	95
21) Bromodichloromethane	7.63	83	31287	9.85	ng	#	97
23) cis-1,3-Dichloropropene	8.11	75	39886	9.91	ng		89
24) 4-Methyl-2-pentanone	8.28	58	9207	9.76	ng		98
26) Toluene	8.45	92	56800	9.80	ng		99
27) trans-1,3-Dichloropropene	8.68	75	36092	9.71	ng		91
28) 1,1,2-Trichloroethane	8.85	83	19722	10.08	ng		98
29) Tetrachloroethene	9.01	164	18790	10.20	ng		98
30) 2-Hexanone	9.12	43	18494	11.12	ng		93
31) Dibromochloromethane	9.24	129	24970	10.31	ng		93
32) 1,2-Dibromoethane	9.35	107	23248	10.08	ng	#	96
33) Chlorobenzene	9.86	112	71298	10.65	ng		89
34) Ethylbenzene	9.98	91	108166	9.73	ng		92
35) m- &/or p-Xylene	10.10	106	41921	11.06	ng		92
36) o-Xylene	10.49	106	41835	9.88	ng		95
37) Styrene	10.50	104	70474	12.39	ng		95
38) Bromoform	10.66	173	16876	12.59	ng		95
40) Isopropylbenzene	10.86	105	100562	9.56	ng		98
42) 1,1,2,2-Tetrachloroethane	11.14	83	28084	12.20	ng		96
43) n-Propylbenzene	11.27	91	122499	9.73	ng		97
44) 1,3,5-Trimethylbenzene	11.45	105	88022	10.79	ng		98
45) 1,2,4-Trimethylbenzene	11.82	105	85061	10.45	ng		100
46) Isobutylbenzene	11.96	91	83359	10.44	ng		98

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Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_005.D
Acq On : 22 Jun 2017 11:17 am
Operator : AH
Sample : 10ng
Misc :
ALS Vial : 5 Sample Multiplier: 1

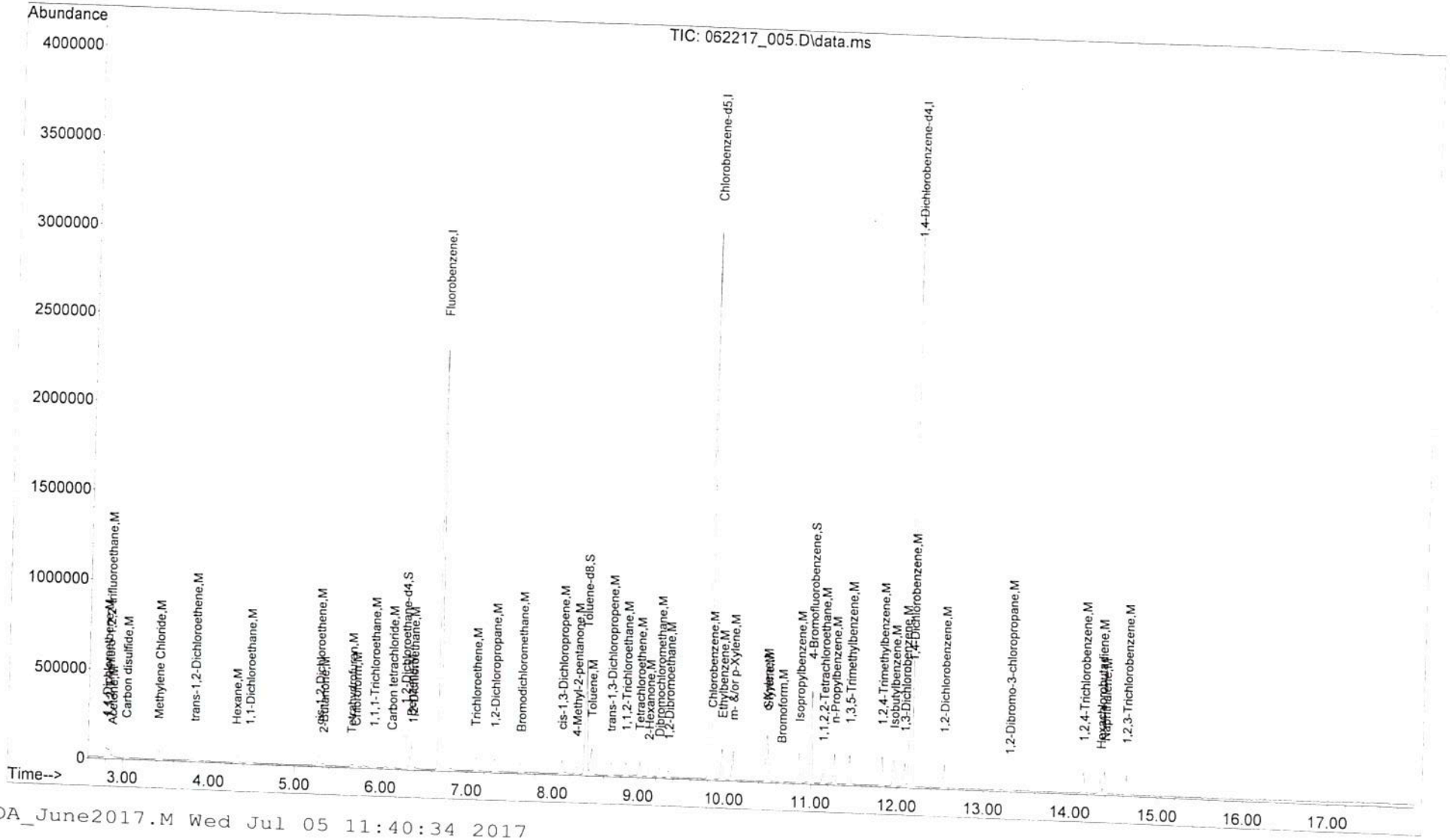
Quant Time: Jul 05 11:40:05 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47) 1,3-Dichlorobenzene	12.08	146	51464	9.86 ng		99
48) 1,4-Dichlorobenzene	12.17	146	54727	10.29 ng	#	93
49) 1,2-Dichlorobenzene	12.54	146	53035	10.13 ng		98
50) 1,2-Dibromo-3-chloropr...	13.30	75	6218	10.45 ng		88
51) 1,2,4-Trichlorobenzene	14.15	180	35548	10.13 ng		99
52) Hexachlorobutadiene	14.34	225	14123	9.78 ng		98
53) Naphthalene	14.39	128	90564	11.89 ng		99
54) 1,2,3-Trichlorobenzene	14.63	180	33353	11.31 ng		94

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

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_005.D
Acq On : 22 Jun 2017 11:17 am
Operator : AH
Sample : 10ng
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 11:40:05 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 11:40:34 2017

AHH UP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_006.D
Acq On : 22 Jun 2017 11:41 am
Operator : AH
Sample : 25ng
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 11:40:47 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	6.69	96	2195714	250.00 ng		0.00
22) Chlorobenzene-d5	9.83	117	1660938	250.00 ng		0.00
39) 1,4-Dichlorobenzene-d4	12.15	152	874755	250.00 ng		0.00
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.28	65	126146	49.80 ng		-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.60%			
25) Toluene-d8	8.38	98	421113	50.10 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.20%			
41) 4-Bromofluorobenzene	11.00	174	137748	49.66 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.32%			
Target Compounds						Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.84	151	39913	25.62 ng		97
3) 1,1-Dichloroethene	2.81	96	49629	23.84 ng		90
4) Acetone	2.88	58	8477	31.36 ng		77
5) Carbon disulfide	3.04	76	172938	26.20 ng		99
6) Methylene Chloride	3.42	84	59889	24.62 ng		90
7) trans-1,2-Dichloroethene	3.83	96	54486	24.01 ng		96
8) Hexane	4.32	57	54340	23.67 ng		94
9) 1,1-Dichloroethane	4.47	63	109231	25.55 ng		99
10) cis-1,2-Dichloroethene	5.28	96	64918	25.05 ng		90
11) 2-Butanone	5.33	72	8060	28.60 ng	#	57
12) Chloroform	5.71	83	104475	25.46 ng		99
13) Tetrahydrofuran	5.66	42	19563	26.33 ng	#	82
14) 1,1,1-Trichloroethane	5.92	97	83642	24.64 ng		95
15) Carbon tetrachloride	6.12	117	64256	23.61 ng		95
17) Benzene	6.36	78	246628	25.40 ng		96
18) 1,2-Dichloroethane	6.37	62	85633	25.61 ng		98
19) Trichloroethene	7.10	95	62118	24.56 ng		91
20) 1,2-Dichloropropane	7.32	63	60259	24.12 ng	#	97
21) Bromodichloromethane	7.63	83	78936	24.60 ng		99
23) cis-1,3-Dichloropropene	8.10	75	103038	25.13 ng	#	86
24) 4-Methyl-2-pentanone	8.27	58	24276	25.26 ng		90
26) Toluene	8.45	92	149094	25.25 ng		100
27) trans-1,3-Dichloropropene	8.68	75	96074	25.37 ng	#	89
28) 1,1,2-Trichloroethane	8.85	83	51791	25.97 ng		95
29) Tetrachloroethene	9.01	164	44693	23.82 ng		94
30) 2-Hexanone	9.12	43	50138	26.94 ng		95
31) Dibromochloromethane	9.24	129	59984	24.30 ng		100
32) 1,2-Dibromoethane	9.35	107	58719	24.99 ng		100
33) Chlorobenzene	9.86	112	167257	24.51 ng		95
34) Ethylbenzene	9.98	91	289396	25.54 ng		98
35) m- &/or p-Xylene	10.10	106	106254	25.45 ng		94
36) o-Xylene	10.49	106	107520	24.91 ng		95
37) Styrene	10.50	104	177118	25.93 ng		97
38) Bromoform	10.66	173	43868	25.94 ng		100
40) Isopropylbenzene	10.86	105	268732	25.37 ng		98
42) 1,1,2,2-Tetrachloroethane	11.14	83	69170	26.68 ng		99
43) n-Propylbenzene	11.27	91	320122	25.24 ng		98
44) 1,3,5-Trimethylbenzene	11.45	105	229023	25.81 ng		99
45) 1,2,4-Trimethylbenzene	11.82	105	226005	25.23 ng		100
46) Isobutylbenzene	11.96	91	216191	24.88 ng		98

AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_006.D
Acq On : 22 Jun 2017 11:41 am
Operator : AH
Sample : 25ng
Misc :
ALS Vial : 6 Sample Multiplier: 1

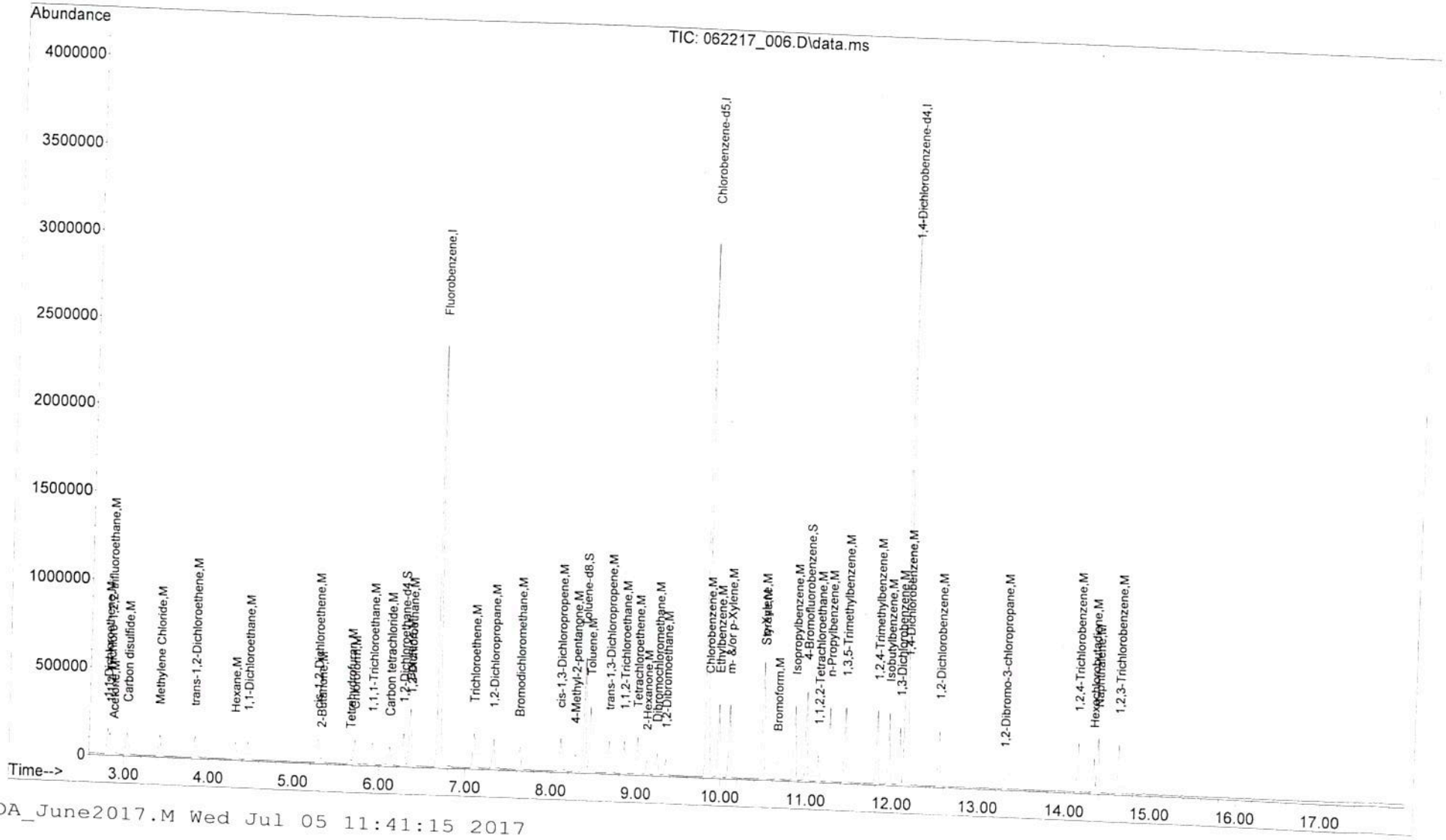
Quant Time: Jul 05 11:40:47 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) 1,3-Dichlorobenzene	12.08	146	129061	24.53 ng	99
48) 1,4-Dichlorobenzene	12.17	146	136191	25.41 ng	98
49) 1,2-Dichlorobenzene	12.54	146	131330	24.90 ng	98
50) 1,2-Dibromo-3-chloropr...	13.31	75	14979	24.98 ng	92
51) 1,2,4-Trichlorobenzene	14.15	180	85148	24.09 ng	98
52) Hexachlorobutadiene	14.34	225	36798	24.59 ng	98
53) Naphthalene	14.39	128	235948	25.66 ng	99
54) 1,2,3-Trichlorobenzene	14.63	180	87826	26.05 ng	97

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

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_006.D
Acq On : 22 Jun 2017 11:41 am
Operator : AH
Sample : 25ng
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 11:40:47 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 11:41:15 2017

AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_007.D
Acq On : 22 Jun 2017 12:05 pm
Operator : AH
Sample : 50ng
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 05 11:41:26 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	6.69	96	2126271	250.00 ng		0.00
22) Chlorobenzene-d5	9.83	117	1606348	250.00 ng		0.00
39) 1,4-Dichlorobenzene-d4	12.15	152	852674	250.00 ng		0.00
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.28	65	122807	50.07 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.14%			
25) Toluene-d8	8.38	98	414259	50.96 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.92%			
41) 4-Bromofluorobenzene	11.00	174	137868	50.99 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.98%			
Target Compounds						Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.84	151	75831	48.66 ng		97
3) 1,1-Dichloroethene	2.81	96	95791	49.72 ng		89
4) Acetone	2.87	58	14077	47.79 ng		83
5) Carbon disulfide	3.04	76	331316	51.84 ng		100
6) Methylene Chloride	3.42	84	114471	48.59 ng		90
7) trans-1,2-Dichloroethene	3.83	96	103635	47.16 ng		96
8) Hexane	4.32	57	107312	49.48 ng		93
9) 1,1-Dichloroethane	4.47	63	204835	49.48 ng		99
10) cis-1,2-Dichloroethene	5.28	96	123029	49.02 ng		94
11) 2-Butanone	5.33	72	12653	43.46 ng		87
12) Chloroform	5.71	83	197333	49.66 ng		100
13) Tetrahydrofuran	5.66	42	35404	49.21 ng	#	85
14) 1,1,1-Trichloroethane	5.92	97	155687	47.86 ng		96
15) Carbon tetrachloride	6.12	117	129402	47.46 ng		100
17) Benzene	6.36	78	460481	48.97 ng		99
18) 1,2-Dichloroethane	6.37	62	156289	48.28 ng		99
19) Trichloroethene	7.10	95	120739	49.30 ng		94
20) 1,2-Dichloropropane	7.32	63	118247	48.88 ng		98
21) Bromodichloromethane	7.63	83	157292	50.61 ng		99
23) cis-1,3-Dichloropropene	8.10	75	190480	48.04 ng	#	88
24) 4-Methyl-2-pentanone	8.28	58	45028	48.45 ng		87
26) Toluene	8.45	92	278949	48.84 ng		99
27) trans-1,3-Dichloropropene	8.68	75	178756	48.81 ng	#	89
28) 1,1,2-Trichloroethane	8.85	83	94324	48.91 ng		100
29) Tetrachloroethene	9.01	164	90370	49.80 ng		98
30) 2-Hexanone	9.12	43	89777	48.53 ng	#	92
31) Dibromochloromethane	9.24	129	116440	48.77 ng		96
32) 1,2-Dibromoethane	9.35	107	112175	49.36 ng		97
33) Chlorobenzene	9.86	112	327123	49.56 ng		99
34) Ethylbenzene	9.98	91	541593	49.42 ng		97
35) m- &/or p-Xylene	10.10	106	205259	49.46 ng		93
36) o-Xylene	10.49	106	206147	49.39 ng		96
37) Styrene	10.50	104	340828	48.47 ng		97
38) Bromoform	10.66	173	86236	48.61 ng		98
40) Isopropylbenzene	10.86	105	509206	49.32 ng		96
42) 1,1,2,2-Tetrachloroethane	11.14	83	128146	48.76 ng		100
43) n-Propylbenzene	11.27	91	609433	49.30 ng		98
44) 1,3,5-Trimethylbenzene	11.45	105	428912	48.40 ng		98
45) 1,2,4-Trimethylbenzene	11.82	105	440534	49.04 ng		97
46) Isobutylbenzene	11.96	91	425231	48.91 ng		98

AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_007.D
Acq On : 22 Jun 2017 12:05 pm
Operator : AH
Sample : 50ng
Misc :
ALS Vial : 7 Sample Multiplier: 1

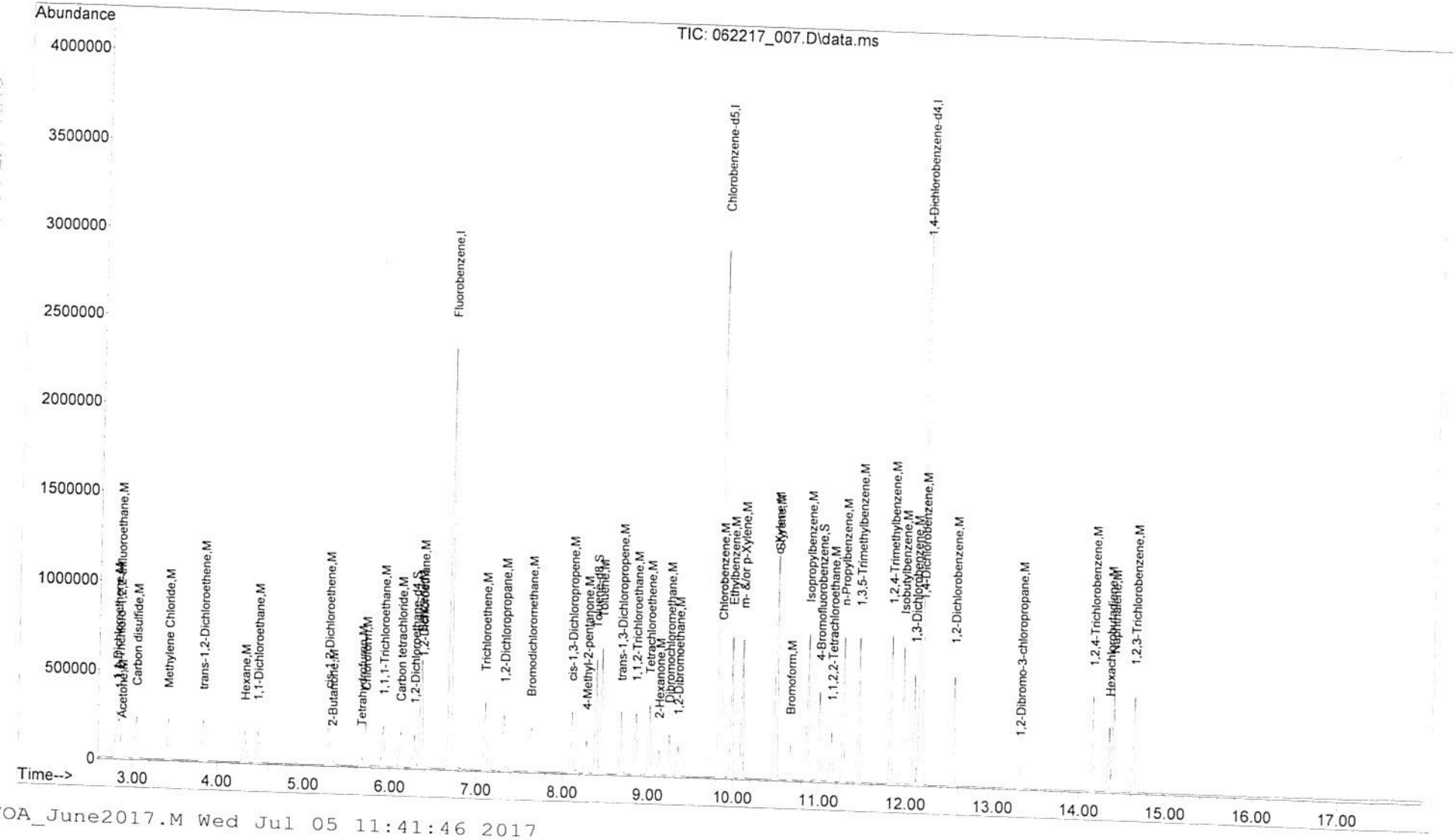
Quant Time: Jul 05 11:41:26 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) 1,3-Dichlorobenzene	12.08	146	257428	50.21 ng	97
48) 1,4-Dichlorobenzene	12.18	146	259842	49.74 ng	100
49) 1,2-Dichlorobenzene	12.54	146	247271	48.10 ng	97
50) 1,2-Dibromo-3-chloropr...	13.31	75	29788	50.97 ng	97
51) 1,2,4-Trichlorobenzene	14.15	180	166024	48.20 ng	97
52) Hexachlorobutadiene	14.34	225	70131	47.66 ng	99
53) Naphthalene	14.39	128	462534	48.34 ng	99
54) 1,2,3-Trichlorobenzene	14.63	180	167931	49.01 ng	97

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

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_007.D
Acq On : 22 Jun 2017 12:05 pm
Operator : AH
Sample : 50ng
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 05 11:41:26 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 11:41:46 2017

AMH VP1262 07/20/2017

(QI Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_008.D
Acq On : 22 Jun 2017 12:30 pm
Operator : AH
Sample : 100ng
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 11:42:05 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	6.69	96	2153604	250.00 ng		0.00
22) Chlorobenzene-d5	9.83	117	1647379	250.00 ng		0.00
39) 1,4-Dichlorobenzene-d4	12.15	152	868382	250.00 ng		0.00
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.28	65	125861	50.66 ng		-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.32%			
25) Toluene-d8	8.38	98	419057	50.26 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.52%			
41) 4-Bromofluorobenzene	11.00	174	137417	49.90 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.80%			
Target Compounds						Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.84	151	151832	95.24 ng		96
3) 1,1-Dichloroethene	2.81	96	192468	100.82 ng		91
4) Acetone	2.87	58	33586	101.23 ng		79
5) Carbon disulfide	3.04	76	654512	101.11 ng		100
6) Methylene Chloride	3.42	84	240015	100.59 ng		88
7) trans-1,2-Dichloroethene	3.84	96	217377	97.67 ng		95
8) Hexane	4.32	57	214346	98.71 ng		94
9) 1,1-Dichloroethane	4.47	63	419886	100.14 ng		99
10) cis-1,2-Dichloroethene	5.29	96	248315	97.67 ng		95
11) 2-Butanone	5.33	72	32144	101.95 ng	#	52
12) Chloroform	5.71	83	407345	101.21 ng		98
13) Tetrahydrofuran	5.66	42	72971	100.14 ng	#	90
14) 1,1,1-Trichloroethane	5.92	97	326326	99.63 ng		96
15) Carbon tetrachloride	6.12	117	276874	98.57 ng		98
17) Benzene	6.36	78	951327	99.89 ng		98
18) 1,2-Dichloroethane	6.37	62	325667	99.32 ng		100
19) Trichloroethene	7.10	95	255092	102.83 ng		96
20) 1,2-Dichloropropane	7.32	63	247774	101.12 ng		99
21) Bromodichloromethane	7.63	83	310272	98.57 ng		99
23) cis-1,3-Dichloropropene	8.11	75	399645	98.28 ng	#	88
24) 4-Methyl-2-pentanone	8.28	58	94543	99.20 ng		84
26) Toluene	8.45	92	582717	99.49 ng		96
27) trans-1,3-Dichloropropene	8.68	75	368327	98.07 ng	#	90
28) 1,1,2-Trichloroethane	8.85	83	191184	96.66 ng		97
29) Tetrachloroethene	9.01	164	181526	97.55 ng		98
30) 2-Hexanone	9.12	43	181663	94.19 ng		92
31) Dibromochloromethane	9.24	129	236900	96.75 ng		97
32) 1,2-Dibromoethane	9.35	107	233163	100.04 ng		99
33) Chlorobenzene	9.86	112	655846	96.89 ng		98
34) Ethylbenzene	9.98	91	1106994	98.50 ng		96
35) m- &/or p-Xylene	10.10	106	418570	96.97 ng		95
36) o-Xylene	10.49	106	416642	97.33 ng		99
37) Styrene	10.50	104	706962	94.81 ng		97
38) Bromoform	10.66	173	181396	95.52 ng		98
40) Isopropylbenzene	10.86	105	1062081	101.01 ng		98
42) 1,1,2,2-Tetrachloroethane	11.14	83	259561	94.83 ng		98
43) n-Propylbenzene	11.27	91	1262718	100.30 ng		97
44) 1,3,5-Trimethylbenzene	11.45	105	892667	97.55 ng		96
45) 1,2,4-Trimethylbenzene	11.82	105	910541	98.05 ng		100
46) Isobutylbenzene	11.96	91	876415	97.69 ng		99

AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_008.D
Acq On : 22 Jun 2017 12:30 pm
Operator : AH
Sample : 100ng
Misc :
ALS Vial : 8 Sample Multiplier: 1

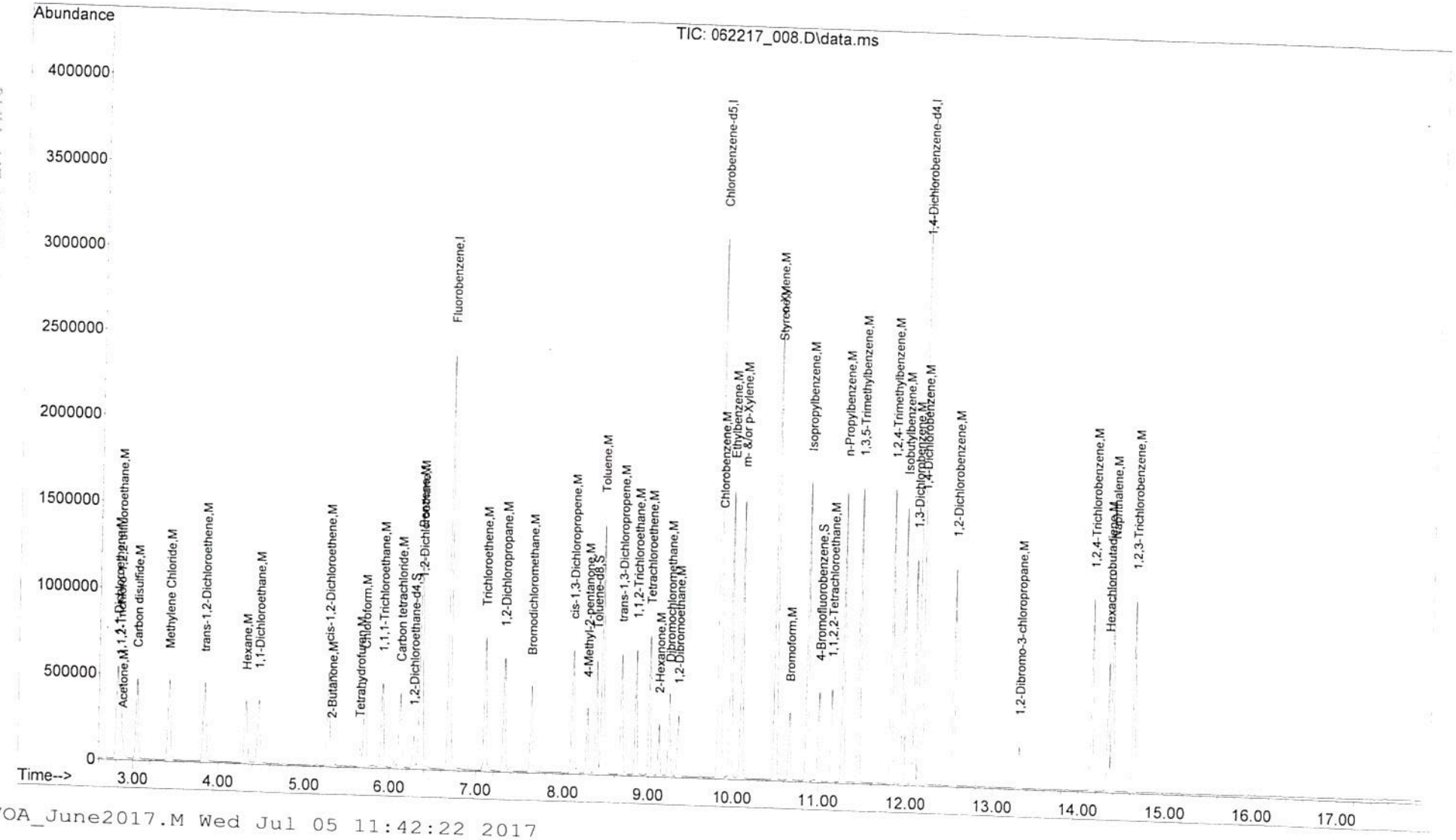
Quant Time: Jul 05 11:42:05 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) 1,3-Dichlorobenzene	12.08	146	523285	100.21 ng	99
48) 1,4-Dichlorobenzene	12.17	146	522796	98.26 ng	100
49) 1,2-Dichlorobenzene	12.54	146	518995	99.13 ng	99
50) 1,2-Dibromo-3-chloropr...	13.31	75	58550	98.37 ng	93
51) 1,2,4-Trichlorobenzene	14.15	180	347152	98.95 ng	97
52) Hexachlorobutadiene	14.34	225	149288	99.14 ng	96
53) Naphthalene	14.39	128	980340	97.13 ng	99
54) 1,2,3-Trichlorobenzene	14.63	180	349600	97.90 ng	98

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

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_008.D
Acq On : 22 Jun 2017 12:30 pm
Operator : AH
Sample : 100ng
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 11:42:05 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 11:42:22 2017

AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_009.D
Acq On : 22 Jun 2017 12:54 pm
Operator : AH
Sample : 250ng
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 11:42:30 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	6.69	96	2141614	250.00 ng		0.00
22) Chlorobenzene-d5	9.83	117	1614540	250.00 ng		0.00
39) 1,4-Dichlorobenzene-d4	12.15	152	875533	250.00 ng		0.00
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.28	65	121349	49.12 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.24%			
25) Toluene-d8	8.38	98	406999	49.81 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.62%			
41) 4-Bromofluorobenzene	11.00	174	134749	48.54 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.08%			
Target Compounds						Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.84	151	393250	253.48 ng		98
3) 1,1-Dichloroethene	2.81	96	482462	257.51 ng		93
4) Acetone	2.87	58	78140	225.64 ng		97
5) Carbon disulfide	3.04	76	1673389	259.95 ng		100
6) Methylene Chloride	3.42	84	590199	248.73 ng		88
7) trans-1,2-Dichloroethene	3.84	96	546124	246.76 ng		94
8) Hexane	4.32	57	556894	259.77 ng		94
9) 1,1-Dichloroethane	4.47	63	1059298	254.05 ng		99
10) cis-1,2-Dichloroethene	5.29	96	632719	250.27 ng		95
11) 2-Butanone	5.33	72	75876	235.58 ng		64
12) Chloroform	5.71	83	1013269	253.18 ng		99
13) Tetrahydrofuran	5.65	42	194371	268.23 ng		91
14) 1,1,1-Trichloroethane	5.92	97	837665	258.03 ng		96
15) Carbon tetrachloride	6.12	117	726096	257.46 ng		96
17) Benzene	6.36	78	2399591	253.36 ng		97
18) 1,2-Dichloroethane	6.37	62	813281	249.41 ng		99
19) Trichloroethene	7.10	95	649513	263.29 ng		97
20) 1,2-Dichloropropane	7.32	63	638242	261.93 ng		99
21) Bromodichloromethane	7.63	83	803309	256.63 ng		99
23) cis-1,3-Dichloropropene	8.11	75	1026398	257.55 ng	#	88
24) 4-Methyl-2-pentanone	8.28	58	240734	257.72 ng		89
26) Toluene	8.45	92	1482438	258.25 ng		98
27) trans-1,3-Dichloropropene	8.68	75	938086	254.86 ng	#	90
28) 1,1,2-Trichloroethane	8.85	83	485871	250.65 ng		99
29) Tetrachloroethene	9.01	164	473620	259.70 ng		98
30) 2-Hexanone	9.12	43	479581	251.01 ng		94
31) Dibromochloromethane	9.24	129	627449	261.45 ng		99
32) 1,2-Dibromoethane	9.35	107	594847	260.42 ng		100
33) Chlorobenzene	9.86	112	1694042	255.37 ng		97
34) Ethylbenzene	9.98	91	2872812	260.82 ng		97
35) m- &/or p-Xylene	10.10	106	1071630	251.09 ng		96
36) o-Xylene	10.49	106	1079462	257.30 ng		97
37) Styrene	10.50	104	1861131	249.36 ng		97
38) Bromoform	10.66	173	469880	245.90 ng		99
40) Isopropylbenzene	10.86	105	2763230	260.65 ng		98
42) 1,1,2,2-Tetrachloroethane	11.14	83	696564	248.80 ng		99
43) n-Propylbenzene	11.27	91	3295268	259.60 ng		97
44) 1,3,5-Trimethylbenzene	11.45	105	2344805	252.05 ng		98
45) 1,2,4-Trimethylbenzene	11.82	105	2372272	251.12 ng		99
46) Isobutylbenzene	11.96	91	2310861	253.43 ng		99

AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_009.D
Acq On : 22 Jun 2017 12:54 pm
Operator : AH
Sample : 250ng
Misc :
ALS Vial : 9 Sample Multiplier: 1

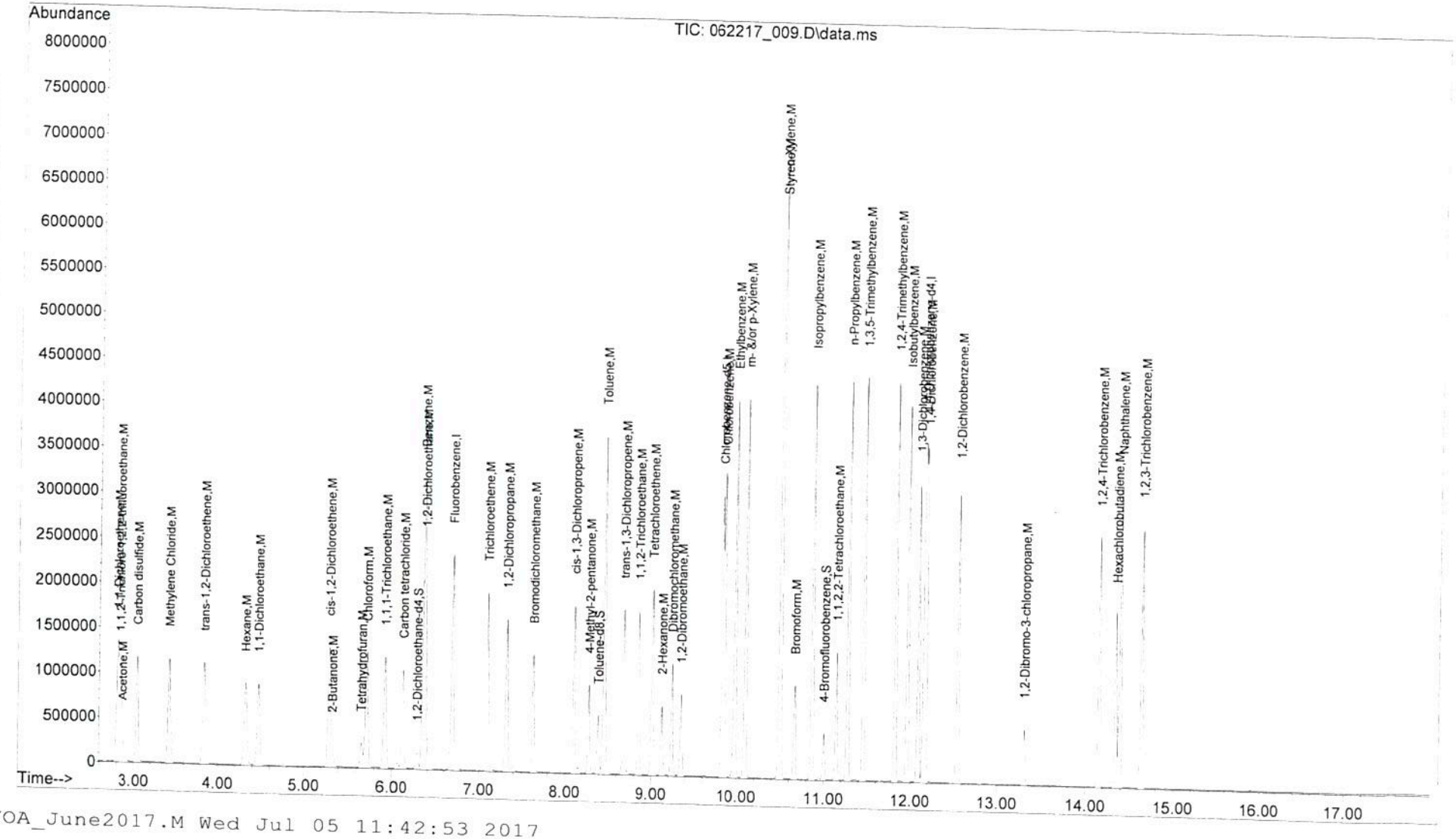
Quant Time: Jul 05 11:42:30 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) 1,3-Dichlorobenzene	12.08	146	1338765	254.28 ng	99
48) 1,4-Dichlorobenzene	12.17	146	1350926	251.84 ng	98
49) 1,2-Dichlorobenzene	12.54	146	1312829	248.71 ng	99
50) 1,2-Dibromo-3-chloropr...	13.31	75	148191	246.94 ng	86
51) 1,2,4-Trichlorobenzene	14.15	180	896763	253.53 ng	98
52) Hexachlorobutadiene	14.34	225	390288	256.35 ng	96
53) Naphthalene	14.39	128	2568432	247.24 ng	99
54) 1,2,3-Trichlorobenzene	14.63	180	901427	246.97 ng	98

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

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_009.D
Acq On : 22 Jun 2017 12:54 pm
Operator : AH
Sample : 250ng
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 11:42:30 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



VOA_June2017.M Wed Jul 05 11:42:53 2017

AMH UP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_010.D
Acq On : 22 Jun 2017 1:19 pm
Operator : AH
Sample : 500ng
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 11:43:01 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	6.69	96	2166449	250.00 ng		0.00
22) Chlorobenzene-d5	9.83	117	1644314	250.00 ng		0.00
39) 1,4-Dichlorobenzene-d4	12.15	152	900857	250.00 ng		0.00
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.28	65	124968	50.00 ng		-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%			
25) Toluene-d8	8.38	98	412935	49.62 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.24%			
41) 4-Bromofluorobenzene	11.00	174	139858	48.96 ng		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.92%			
Target Compounds						Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.84	151	743740	499.26 ng		98
3) 1,1-Dichloroethene	2.81	96	936599	496.21 ng		91
4) Acetone	2.87	58	183116	511.69 ng		85
5) Carbon disulfide	3.04	76	3220427	494.54 ng		100
6) Methylene Chloride	3.42	84	1184737	493.57 ng		88
7) trans-1,2-Dichloroethene	3.84	96	1093866	488.59 ng		93
8) Hexane	4.32	57	1072379	495.53 ng		92
9) 1,1-Dichloroethane	4.47	63	2089018	495.27 ng		99
10) cis-1,2-Dichloroethene	5.29	96	1272732	497.66 ng		94
11) 2-Butanone	5.32	72	167035	507.17 ng	#	56
12) Chloroform	5.71	83	2027451	500.78 ng		100
13) Tetrahydrofuran	5.65	42	395392	539.39 ng		90
14) 1,1,1-Trichloroethane	5.92	97	1628294	496.31 ng		95
15) Carbon tetrachloride	6.12	117	1421560	496.87 ng		97
17) Benzene	6.36	78	4809638	502.00 ng		97
18) 1,2-Dichloroethane	6.37	62	1637223	496.34 ng		99
19) Trichloroethene	7.10	95	1267364	507.86 ng		96
20) 1,2-Dichloropropane	7.33	63	1267442	514.19 ng		100
21) Bromodichloromethane	7.63	83	1614843	509.98 ng		99
23) cis-1,3-Dichloropropene	8.11	75	2079025	512.24 ng	#	88
24) 4-Methyl-2-pentanone	8.28	58	503746	529.53 ng		85
26) Toluene	8.45	92	2972700	508.48 ng		98
27) trans-1,3-Dichloropropene	8.68	75	1944433	518.70 ng	#	90
28) 1,1,2-Trichloroethane	8.85	83	974359	493.55 ng		99
29) Tetrachloroethene	9.01	164	936345	504.12 ng		98
30) 2-Hexanone	9.12	43	977325	500.66 ng		93
31) Dibromochloromethane	9.24	129	1303179	533.18 ng		99
32) 1,2-Dibromoethane	9.35	107	1210234	520.23 ng		100
33) Chlorobenzene	9.86	112	3400385	503.31 ng		96
34) Ethylbenzene	9.98	91	5827493	519.49 ng		98
35) m- &/or p-Xylene	10.10	106	2179551	500.06 ng		95
36) o-Xylene	10.49	106	2191662	512.95 ng		98
37) Styrene	10.50	104	3835735	501.39 ng		97
38) Bromoform	10.66	173	987037	502.95 ng		99
40) Isopropylbenzene	10.86	105	5610307	514.33 ng		98
42) 1,1,2,2-Tetrachloroethane	11.14	83	1451384	501.61 ng		99
43) n-Propylbenzene	11.27	91	6702362	513.17 ng		98
44) 1,3,5-Trimethylbenzene	11.45	105	4794012	499.56 ng		99
45) 1,2,4-Trimethylbenzene	11.82	105	4872647	499.89 ng		98
46) Isobutylbenzene	11.96	91	4691866	498.85 ng		98

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Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_010.D
Acq On : 22 Jun 2017 1:19 pm
Operator : AH
Sample : 500ng
Misc :
ALS Vial : 10 Sample Multiplier: 1

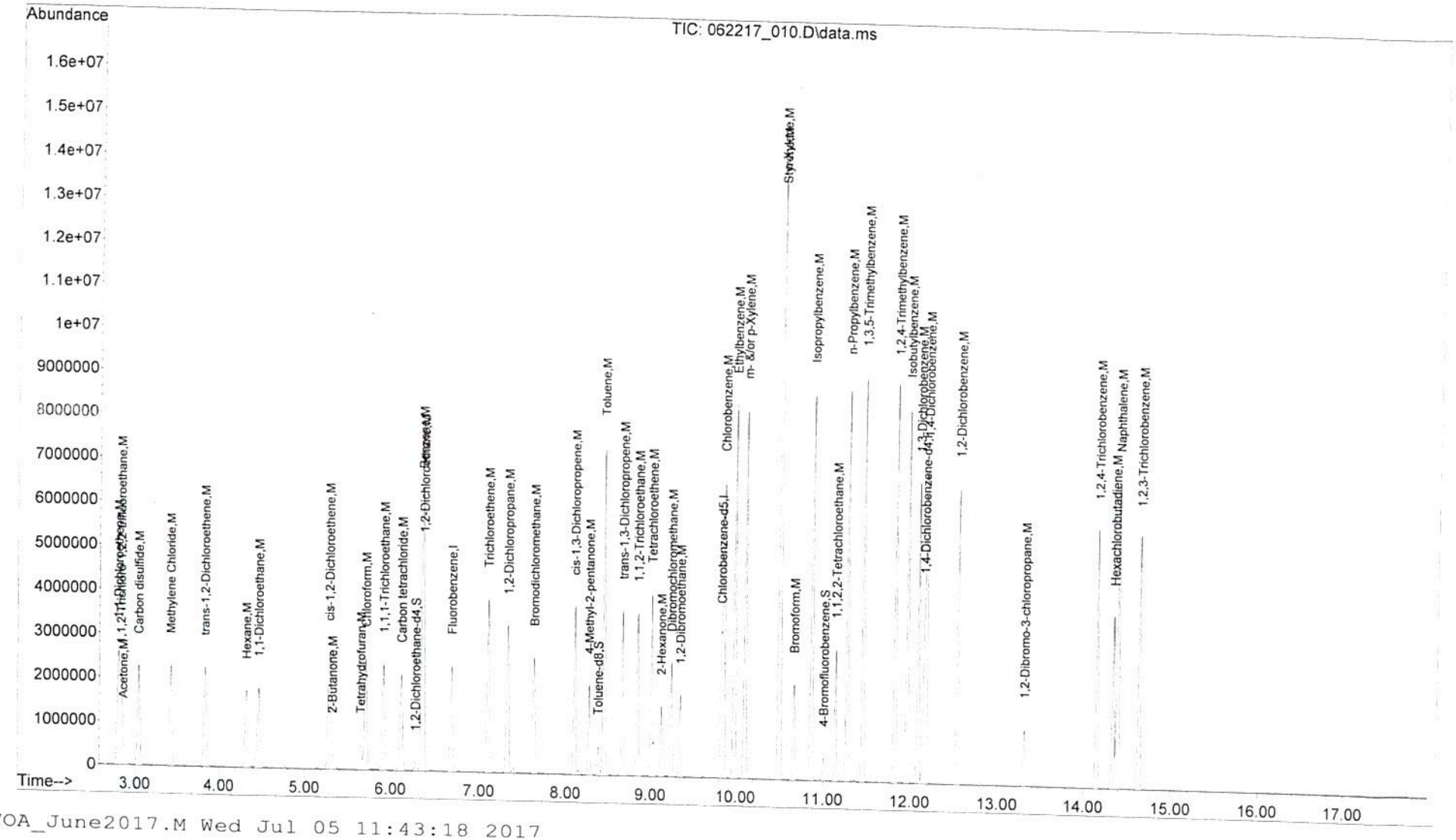
Quant Time: Jul 05 11:43:01 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,3-Dichlorobenzene	12.08	146	2720167	502.13	ng	100
48) 1,4-Dichlorobenzene	12.17	146	2746479	497.61	ng	99
49) 1,2-Dichlorobenzene	12.54	146	2704370	497.93	ng	99
50) 1,2-Dibromo-3-chloropr...	13.31	75	305702	495.08	ng	84
51) 1,2,4-Trichlorobenzene	14.15	180	1868882	513.51	ng	98
52) Hexachlorobutadiene	14.34	225	779624	497.26	ng	98
53) Naphthalene	14.39	128	5402002	502.02	ng	100
54) 1,2,3-Trichlorobenzene	14.63	180	1893563	501.94	ng	99

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

Data Path : D:\Data\Angie\VP1262\
Data File : 062217_010.D
Acq On : 22 Jun 2017 1:19 pm
Operator : AH
Sample : 500ng
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 11:43:01 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



VOA_June2017.M Wed Jul 05 11:43:18 2017

AHH VP1262 07/20/2017