

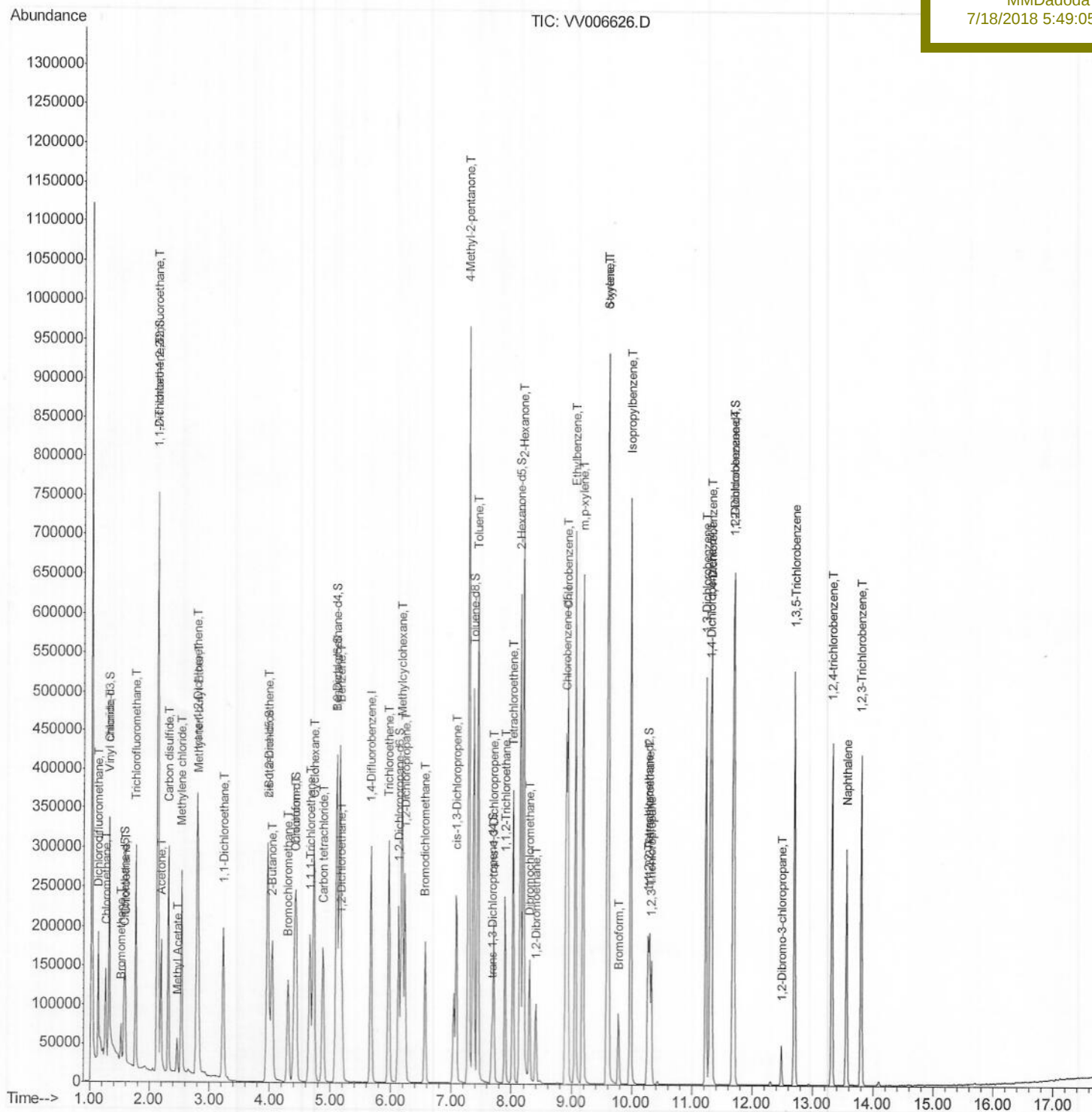
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071718\
 Data File : VV006626.D
 Acq On : 17 Jul 2018 21:50
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 18 04:26:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 17 15:32:48 2018
 Response via : Initial Calibration

Instrument :
 MSVOA_V
 Lab Sample Id :
 VSTD00561

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 5:49:05 PM



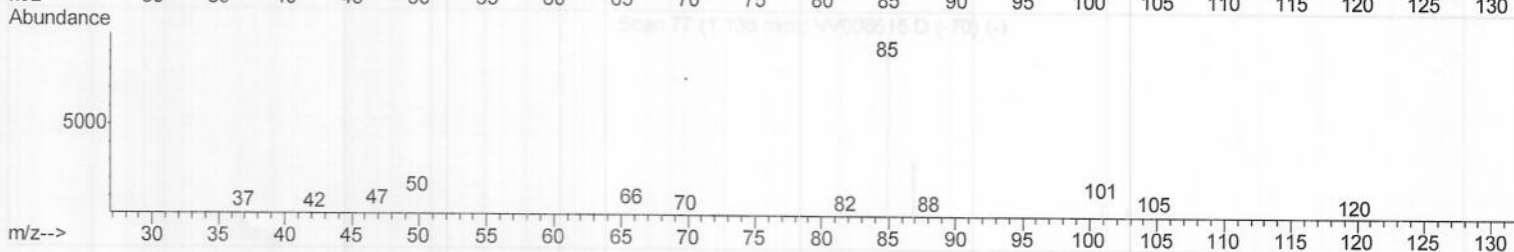
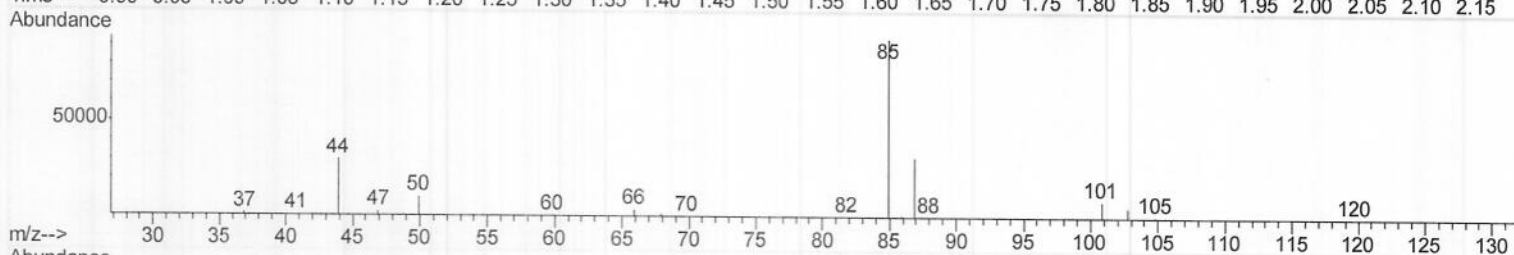
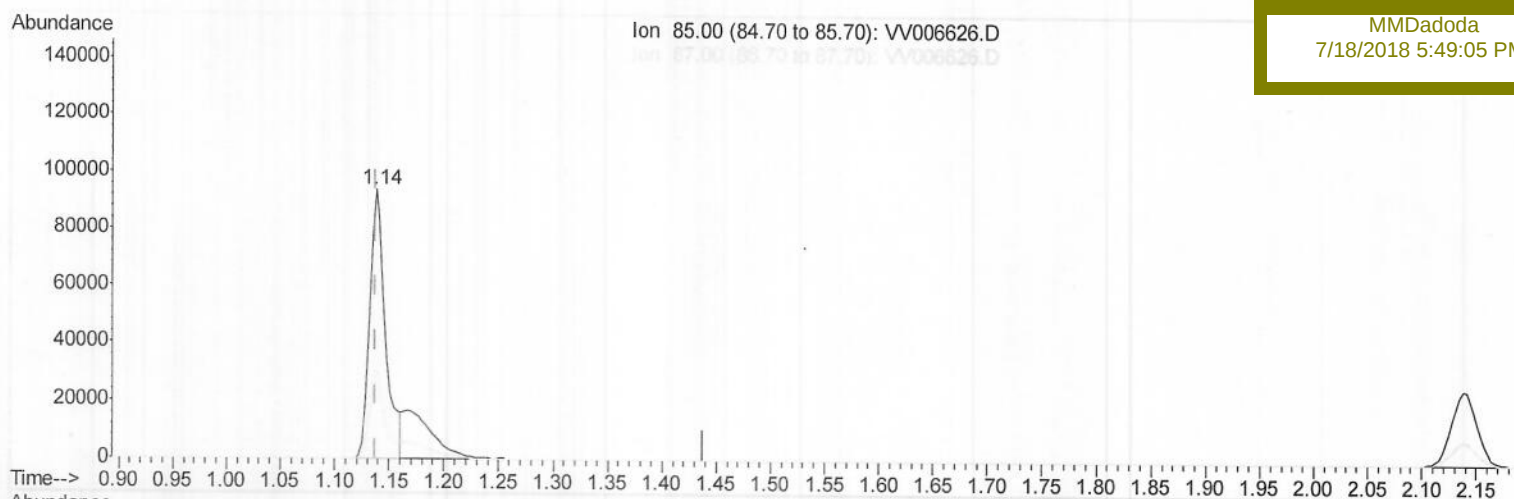
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071718\
Data File : VV006626.D
Acq On : 17 Jul 2018 21:50
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 18 04:22:18 2018
Quant Title :
QLast Update : Tue Jul 17 15:32:48 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00561

Manual Integrations
APPROVED

MMDadoda
7/18/2018 5:49:05 PM



TIC: VV006626.D

(2) Dichlorodifluoromethane (T)

1.138min (+0.000) 3.57ug/L

response 94924

Ion	Exp%	Act%
85.00	100	100
87.00	22.90	32.36#
0.00	0.00	0.00
0.00	0.00	0.00

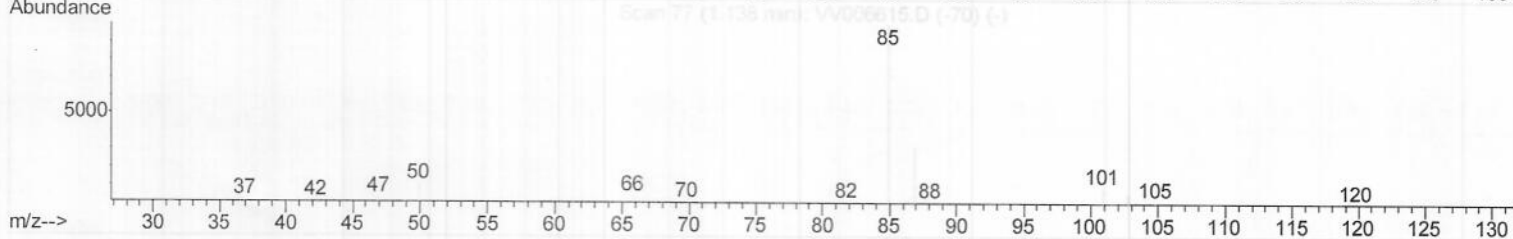
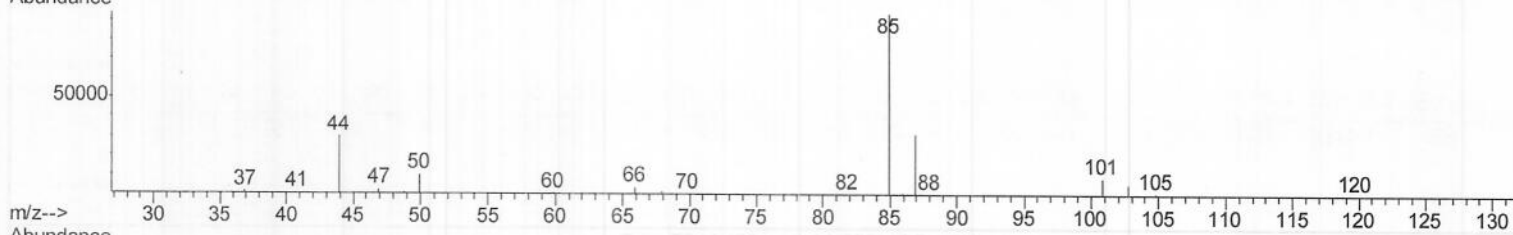
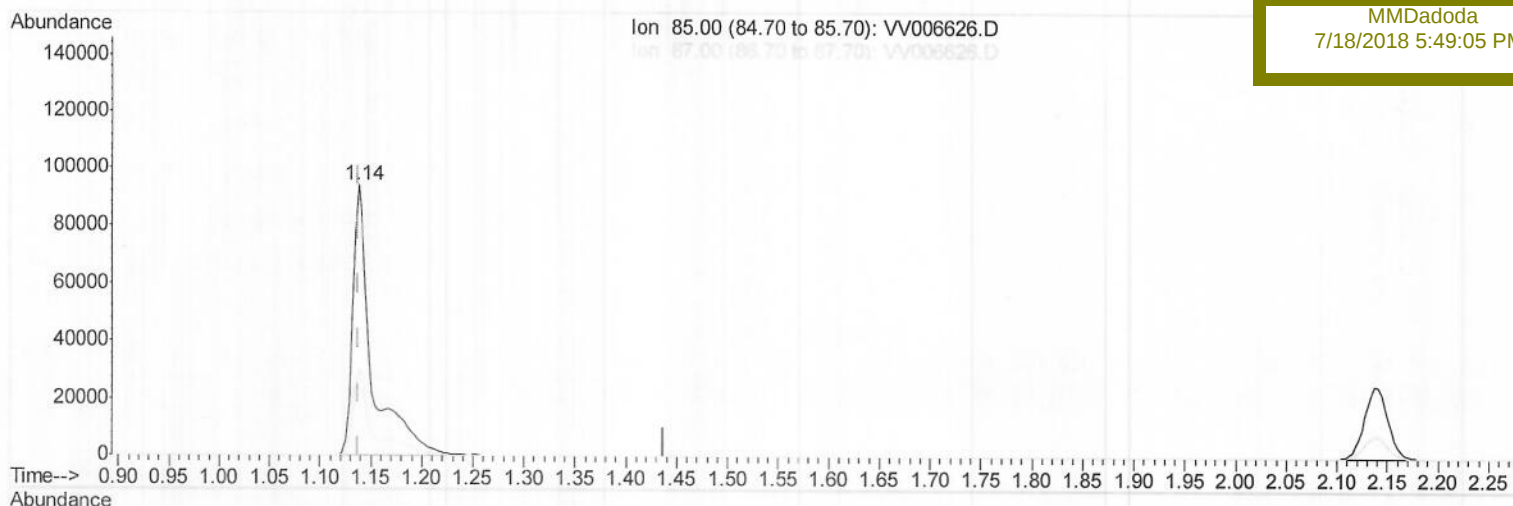
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071718\
Data File : VV006626.D
Acq On : 17 Jul 2018 21:50
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 18 04:22:18 2018
Quant Title :
QLast Update : Tue Jul 17 15:32:48 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00561

Manual Integrations
APPROVED

MMDadoda
7/18/2018 5:49:05 PM



TIC: VV006626.D

(2) Dichlorodifluoromethane (T)

1.138min (+0.000) 4.75ug/L m

response 126108

MD
07/28/18

Ion	Exp%	Act%
85.00	100	100
87.00	22.90	24.36
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071718\
 Data File : VV006626.D
 Acq On : 17 Jul 2018 21:50
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTD00561

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 5:49:05 PM

Quant Time: Jul 18 04:26:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 17 15:32:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	261521	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	243093	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118573	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100210	3.94	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	78.80%		
7) Chloroethane-d5	1.57	69	76924	4.16	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	83.20%		
11) 1,1-Dichloroethene-d2	2.13	63	185129	4.31	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	86.20%		
20) 2-Butanone-d5	3.96	46	123338	35.23	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	70.46%		
24) Chloroform-d	4.41	84	170465	4.25	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	85.00%		
26) 1,2-Dichloroethane-d4	5.09	65	85186	4.35	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	87.00%		
32) Benzene-d6	5.10	84	363770	4.33	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	86.60%		
36) 1,2-Dichloropropane-d6	6.12	67	113203	4.30	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	86.00%		
41) Toluene-d8	7.37	98	333607	4.35	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	87.00%		
43) trans-1,3-Dichloropropene-	7.67	79	39545	4.35	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	87.00%		
46) 2-Hexanone-d5	8.14	63	221680	45.60	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	91.20%		
57) 1,1,2,2-Tetrachloroethane-	10.27	84	89338	4.36	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	87.20%		
64) 1,2-Dichlorobenzene-d4	11.68	152	122449	4.35	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	87.00%		

Target Compounds

				Qvalue
2) Dichlorodifluoromethane	1.14	85	126108m	4.748 ug/L
3) Chloromethane	1.26	50	116304	3.943 ug/L 98
5) Vinyl chloride	1.32	62	137334	4.370 ug/L 95
6) Bromomethane	1.52	94	17771	1.423 ug/L 98
8) Chloroethane	1.59	64	77203	4.374 ug/L 97
9) Trichlorofluoromethane	1.76	101	165185	4.801 ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	98408	4.786 ug/L 100
12) 1,1-Dichloroethene	2.14	96	97280	4.644 ug/L 99
13) Acetone	2.19	43	149296	42.721 ug/L 98
14) Carbon disulfide	2.32	76	316720	4.908 ug/L 100
15) Methyl Acetate	2.46	43	45104	4.178 ug/L 100
16) Methylene chloride	2.54	84	106606	4.070 ug/L 99
17) Methyl tert-butyl Ether	2.81	73	242023	4.480 ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	108881	4.729 ug/L 98
19) 1,1-Dichloroethane	3.23	63	199433	4.653 ug/L 100
21) 2-Butanone	4.04	43	273995	44.761 ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	112970	4.677 ug/L 100

MD
 07/28/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071718\
 Data File : VV006626.D
 Acq On : 17 Jul 2018 21:50
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTD00561

Quant Time: Jul 18 04:26:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 17 15:32:48 2018
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 5:49:05 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	45574	4.631	ug/L	96
25) Chloroform	4.43	83	187917	4.693	ug/L	96
27) 1,2-Dichloroethane	5.19	62	107631	4.534	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	152340	4.776	ug/L	100
30) Cyclohexane	4.73	56	165981	4.877	ug/L	100
31) Carbon tetrachloride	4.88	117	129288	4.889	ug/L	98
33) Benzene	5.15	78	434077	4.722	ug/L	100
34) Trichloroethene	5.96	95	107037	4.746	ug/L	98
35) Methylcyclohexane	6.18	83	174200	4.886	ug/L	99
37) 1,2-Dichloropropane	6.23	63	108702	4.689	ug/L	100
38) Bromodichloromethane	6.56	83	121036	4.644	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	144177	4.701	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	622563	46.613	ug/L	99
42) Toluene	7.44	91	454394	4.850	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	112424	4.723	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	74067	4.553	ug/L	99
47) Tetrachloroethene	8.02	164	86163	4.785	ug/L	97
48) 2-Hexanone	8.19	43	443969	46.595	ug/L	100
49) Dibromochloromethane	8.30	129	79465	4.818	ug/L	99
50) 1,2-Dibromoethane	8.40	107	66901	4.620	ug/L	96
51) Chlorobenzene	8.93	112	289263	4.747	ug/L	100
52) Ethylbenzene	9.06	91	486781	4.916	ug/L	99
53) m,p-xylene	9.19	106	189050	4.970	ug/L	99
54) o-xylene	9.59	106	183583	4.957	ug/L	98
55) Styrene	9.61	104	317068	4.990	ug/L	100
56) Isopropylbenzene	9.98	105	480812	5.074	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	93370	4.637	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	66275	4.592	ug/L	99
61) Bromoform	9.78	173	40836	4.650	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	215888	4.745	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	220135	4.742	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	212294	4.734	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12233	4.340	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	167670	4.778	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	136580	4.688	ug/L	99
69) Naphthalene	13.56	128	240754	4.453	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	130640	4.715	ug/L	99

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