

(QT Reviewed)

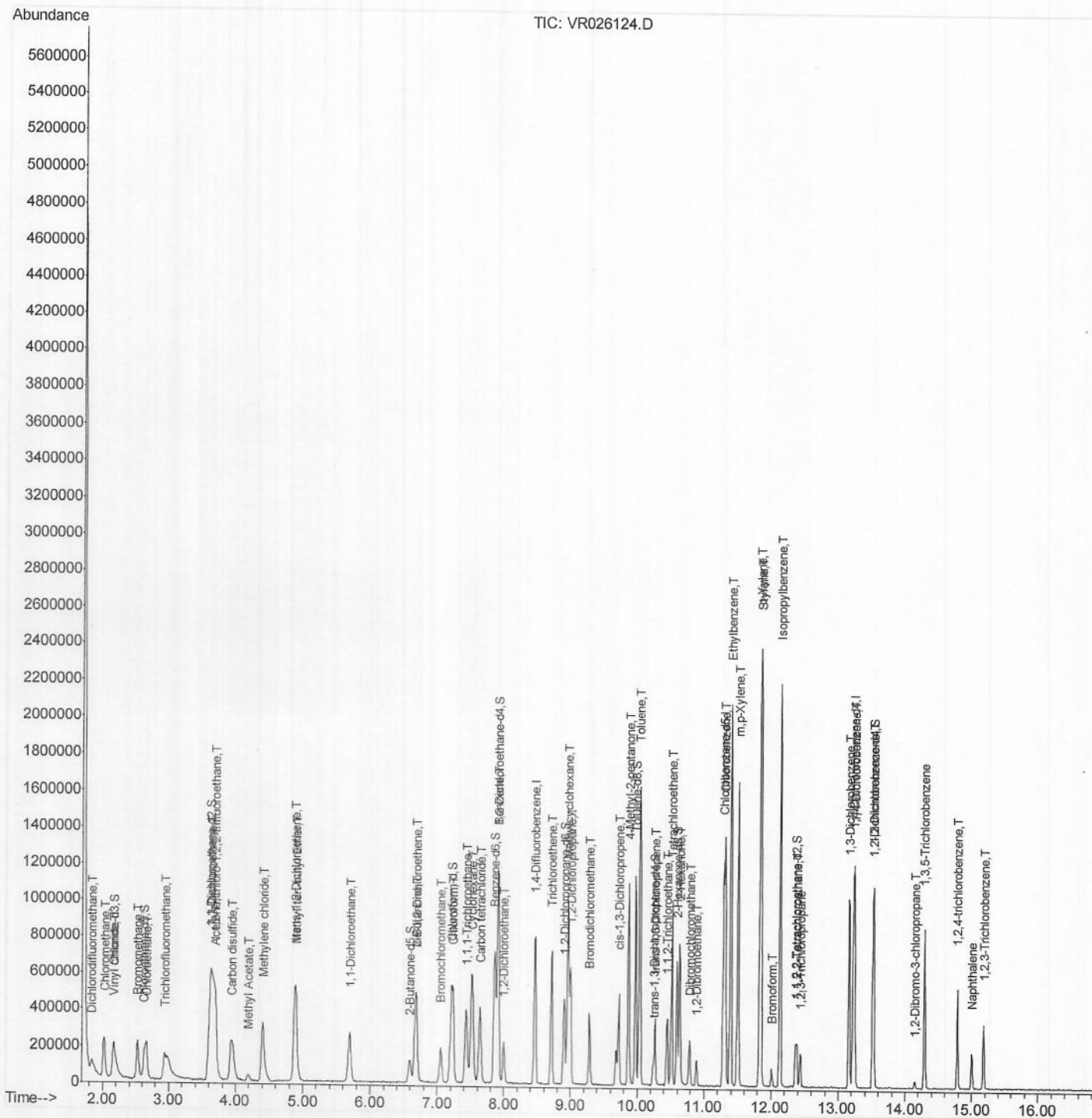
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101718\
Data File : VR026124.D
Acq On : 17 Oct 2018 20:12
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_R
LabSampleId :
VSTD00593

Manual Integrations APPROVED

MMDadoda
10/19/2018 12:03:16 PM

Quant Time: Oct 19 04:20:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 19 02:46:46 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

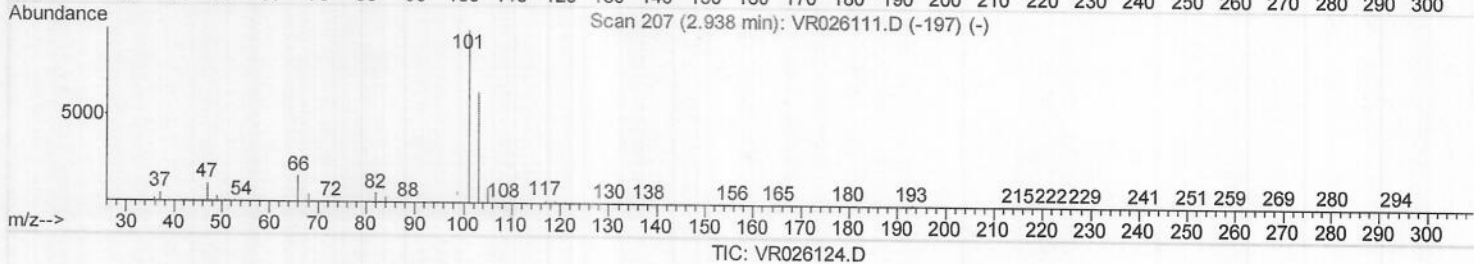
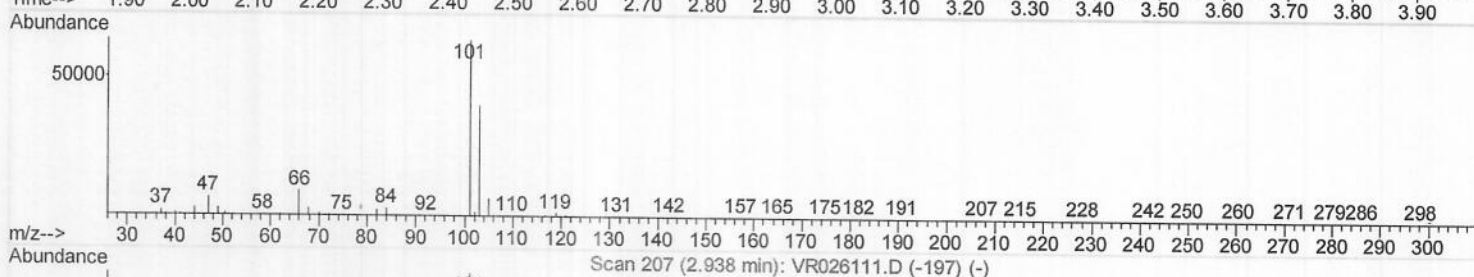
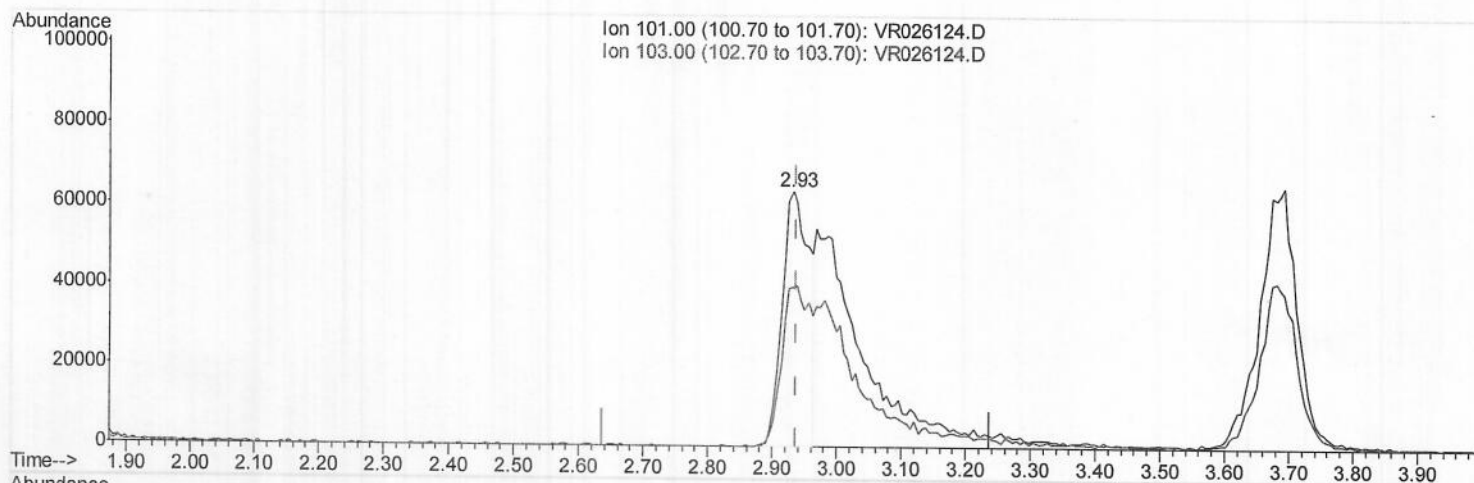
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101718\
 Data File : VR026124.D
 Acq On : 17 Oct 2018 20:12
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00593

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:03:16 PM

Quant Time: Oct 19 02:50:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 02:46:46 2018
 Response via : Initial Calibration



(9) Trichlorofluoromethane (T)

2.932min (-0.006) 2.14ug/L

response 184035

Ion	Exp%	Act%
101.00	100	100
103.00	32.50	66.77#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

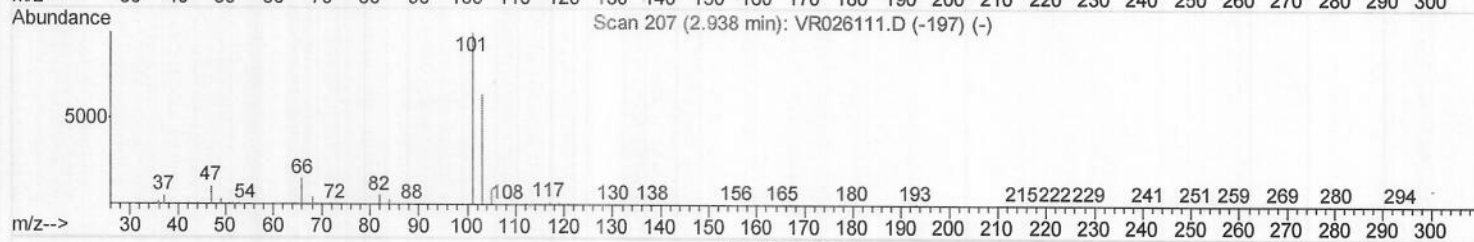
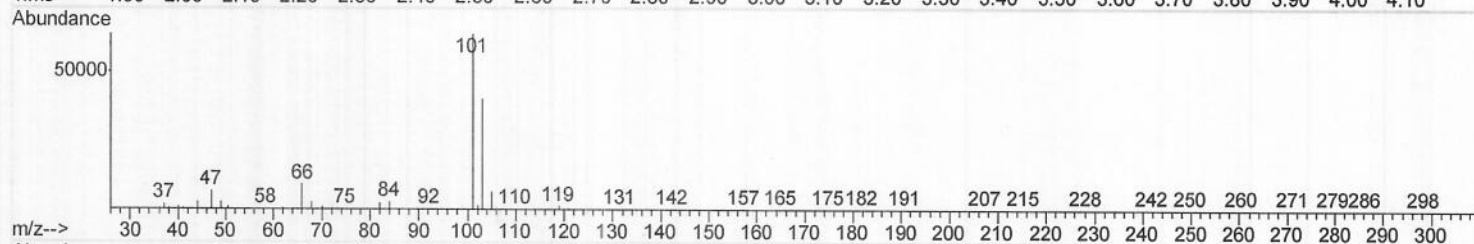
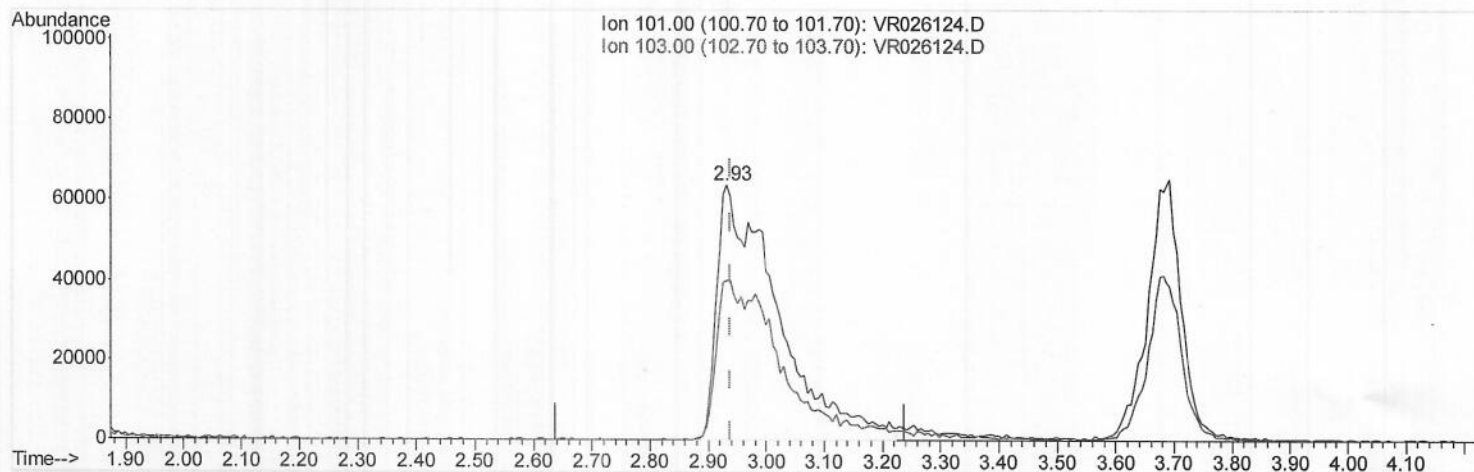
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101718\
 Data File : VR026124.D
 Acq On : 17 Oct 2018 20:12
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00593

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:03:16 PM

Quant Time: Oct 19 02:50:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 02:46:46 2018
 Response via : Initial Calibration



(9) Trichlorofluoromethane (T)

2.932min (-0.006) 5.40ug/L m) MD 10/24/18

response 464846

Ion	Exp%	Act%
101.00	100	100
103.00	32.50	26.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101718\
 Data File : VR026124.D
 Acq On : 17 Oct 2018 20:12
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00593

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:03:16 PM

Quant Time: Oct 19 04:20:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 02:46:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	561221	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	494440	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	187121	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	202885	4.13	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	82.60%		
7) Chloroethane-d5	2.63	69	191841	4.54	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	90.80%		
11) 1,1-Dichloroethene-d2	3.62	63	538667	4.47	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	89.40%		
20) 2-Butanone-d5	6.59	46	228417	56.65	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	113.30%		
24) Chloroform-d	7.20	84	369977	4.74	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	94.80%		
26) 1,2-Dichloroethane-d4	7.90	65	162192	4.99	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	99.80%		
32) Benzene-d6	7.85	84	703112	4.43	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	88.60%		
36) 1,2-Dichloropropane-d6	8.90	67	195232	4.76	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	95.20%		
41) Toluene-d8	9.97	98	648679	4.32	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	86.40%		
43) trans-1,3-Dichloropropene-	10.24	79	46195	4.30	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	86.00%		
46) 2-Hexanone-d5	10.59	63	193033	62.13	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	124.26%		
57) 1,1,2,2-Tetrachloroethane-	12.36	84	90100	5.60	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	112.00%		
64) 1,2-Dichlorobenzene-d4	13.51	152	136367	4.61	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	92.20%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	187155	4.965	ug/L 99
3) Chloromethane	2.01	50	312835	5.226	ug/L 98
5) Vinyl chloride	2.17	62	307923	5.163	ug/L 98
6) Bromomethane	2.52	94	194931	4.949	ug/L 96
8) Chloroethane	2.66	64	194020	5.250	ug/L 98
9) Trichlorofluoromethane	2.93	101	464846m	5.399	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	262310	5.111	ug/L 99
12) 1,1-Dichloroethene	3.63	96	287113	5.261	ug/L 96
13) Acetone	3.70	43	230075	55.193	ug/L 99
14) Carbon disulfide	3.94	76	723477	5.071	ug/L 99
15) Methyl Acetate	4.19	43	65193	5.987	ug/L 95
16) Methylene chloride	4.40	84	255091	5.154	ug/L 99
17) Methyl tert-butyl Ether	4.90	73	257433	5.196	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	207953	5.039	ug/L 97
19) 1,1-Dichloroethane	5.69	63	398165	5.138	ug/L 97
21) 2-Butanone	6.69	43	268028	55.734	ug/L 98
22) cis-1,2-Dichloroethene	6.68	96	208798	5.348	ug/L # 97

MD10/24/18

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101718\
 Data File : VR026124.D
 Acq On : 17 Oct 2018 20:12
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00593

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:03:16 PM

Quant Time: Oct 19 04:20:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 02:46:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	59636	5.445	ug/L	98
25) Chloroform	7.23	83	401411	5.308	ug/L	98
27) 1,2-Dichloroethane	7.99	62	198995	5.376	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	335301	4.963	ug/L	98
30) Cyclohexane	7.52	56	355799	5.246	ug/L	99
31) Carbon tetrachloride	7.63	117	299239	4.871	ug/L	98
33) Benzene	7.91	78	961208	5.181	ug/L	100
34) Trichloroethene	8.71	95	240320	5.061	ug/L	96
35) Methylcyclohexane	8.95	83	357126	5.052	ug/L	97
37) 1,2-Dichloropropane	9.00	63	206243	5.269	ug/L	100
38) Bromodichloromethane	9.28	83	225817	5.364	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	236962	5.289	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	689394	57.671	ug/L	99
42) Toluene	10.03	91	1049649	5.361	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	165169	5.277	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	93654	5.672	ug/L	97
47) Tetrachloroethene	10.51	164	162909	4.804	ug/L	98
48) 2-Hexanone	10.63	43	454439	58.206	ug/L	99
49) Dibromochloromethane	10.79	129	103162	5.552	ug/L	98
50) 1,2-Dibromoethane	10.89	107	76009	5.329	ug/L #	93
51) Chlorobenzene	11.32	112	560436	5.170	ug/L	98
52) Ethylbenzene	11.39	91	1231057	5.467	ug/L	100
53) m,p-Xylene	11.50	106	437927	5.338	ug/L	92
54) o-Xylene	11.83	106	411682	5.474	ug/L	99
55) Styrene	11.84	104	649865	5.614	ug/L	99
56) Isopropylbenzene	12.13	105	1160466	5.555	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	90615	5.400	ug/L #	92
59) 1,2,3-Trichloropropane	12.43	75	67206	5.455	ug/L	97
61) Bromoform	12.01	173	33757	5.190	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	313228	5.039	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	330617	5.136	ug/L	94
65) 1,2-Dichlorobenzene	13.53	146	264579	5.303	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.14	75	8683	4.272	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.29	180	188162	4.968	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	115966	5.245	ug/L	97
69) Naphthalene	15.00	128	119998	5.590	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	83396	5.431	ug/L	98

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