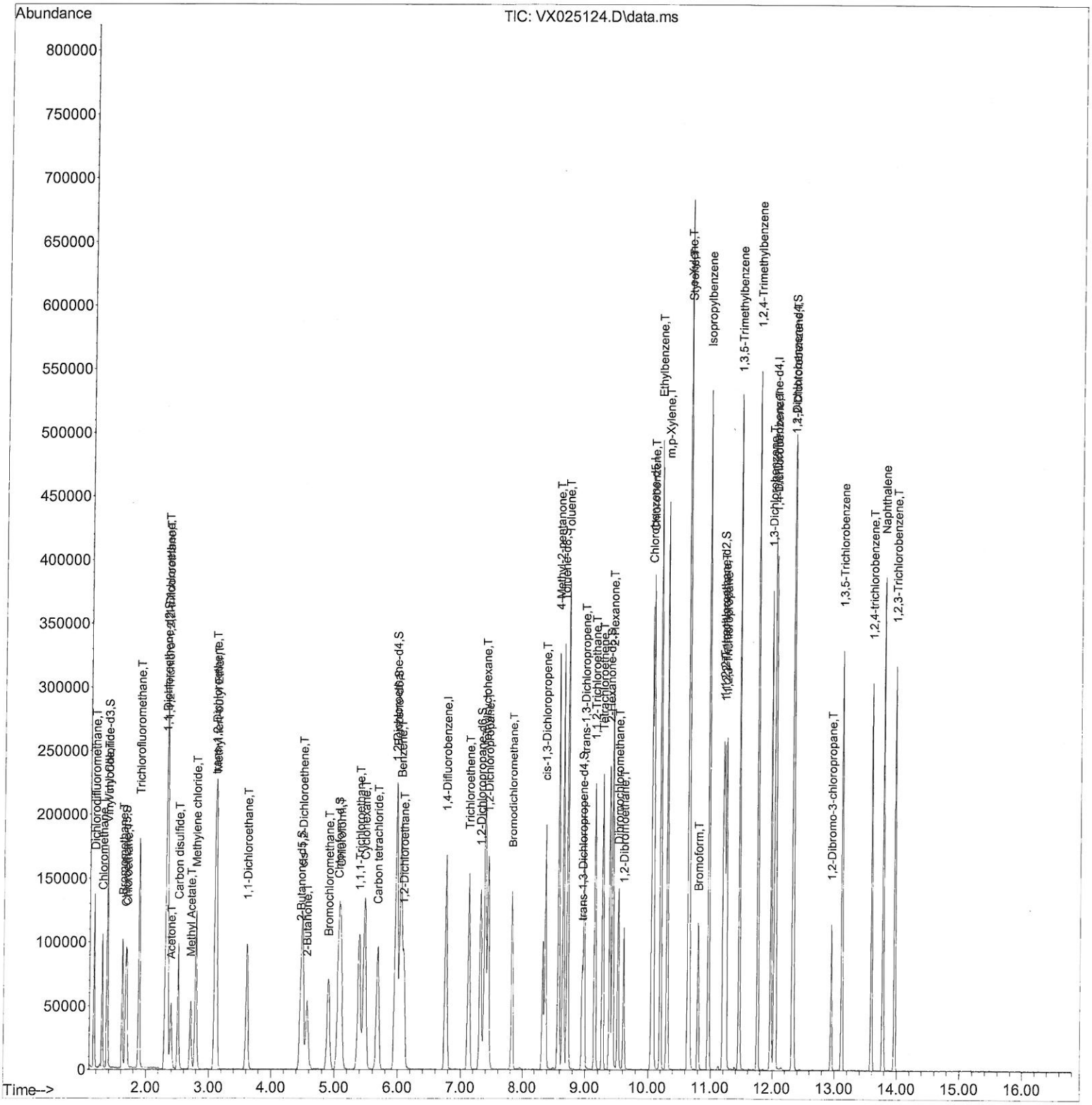
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110921\
Data File : VX025124.D
Acq On : 09 Nov 2021 17:05
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 10 02:53:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM110821WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 10 02:50:07 2021
Response via : Initial Calibration

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050EC

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/10/2021
Supervised By :Mahesh Dadoda 11/10/2021



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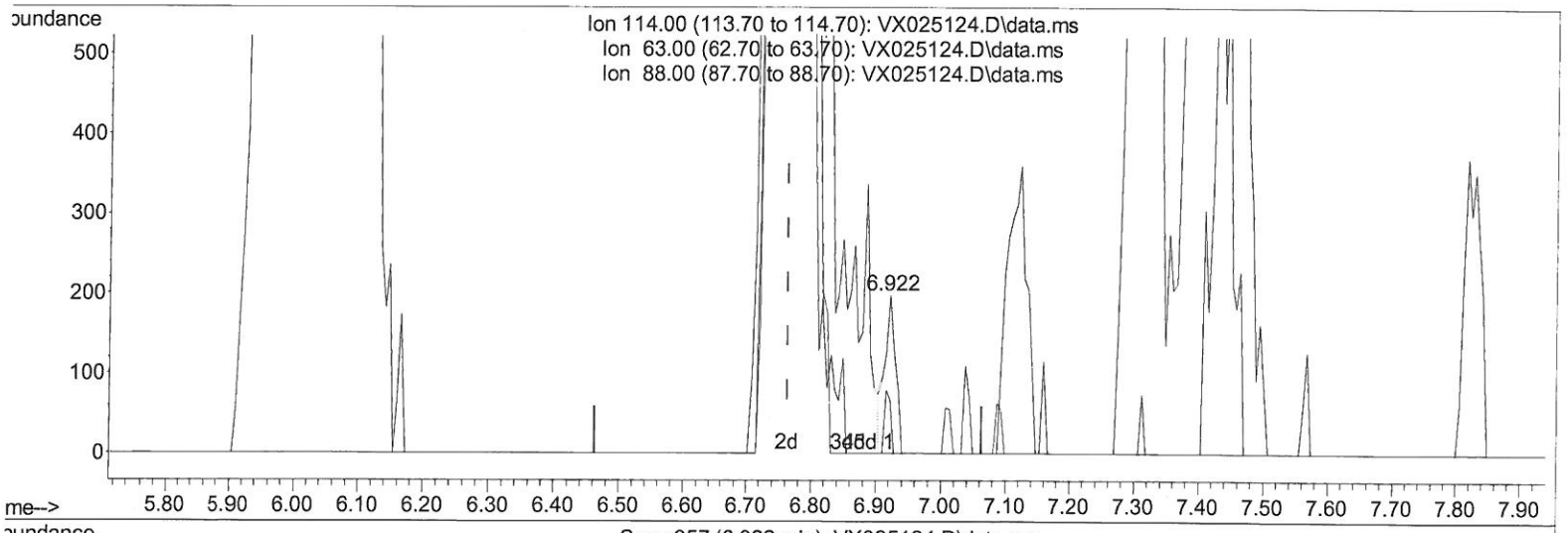

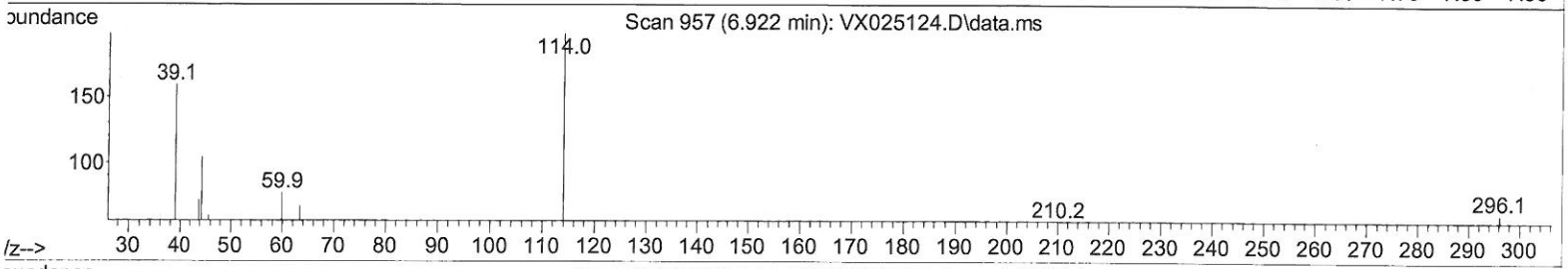

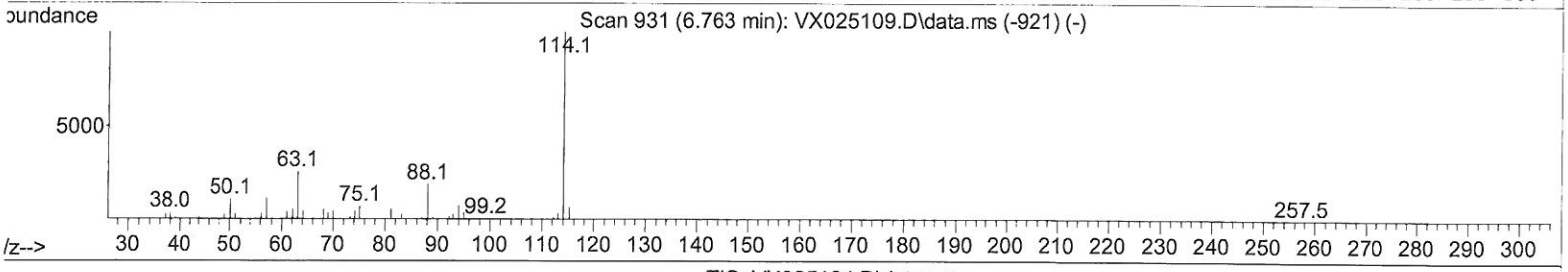

TIC: VX025124.D\data.ms

(1) 1,4-Difluorobenzene (I)

6.922min (+ 0.159) 50.00 ug/L

response 229

Ion	Exp%	Act%
114.00	100.00	100.00
63.00	20.30	23.14
88.00	17.60	17.90
0.00	0.00	0.00

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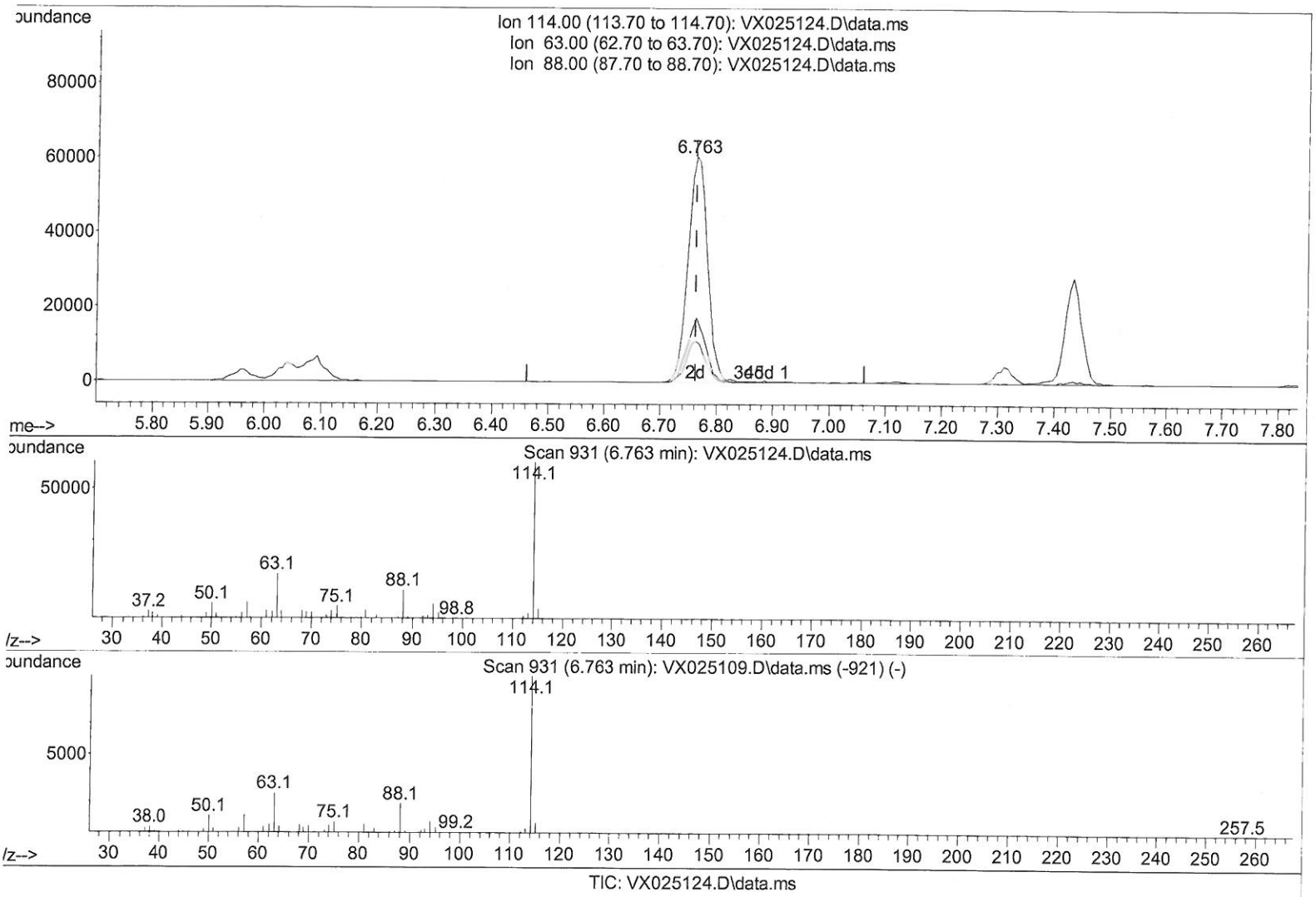

TIC: VX025124.D\data.ms

(1) 1,4-Difluorobenzene (I)

6.763min (+ 0.000) 50.00 ug/L m

response 143646

Ion	Exp%	Act%
114.00	100.00	100.00
63.00	20.30	0.04#
88.00	17.60	0.03#
0.00	0.00	0.00

JMD 11/10/21

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	143646m	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	131293	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	60071	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	56007	43.119	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 86.240%			
7) Chloroethane-d5	1.666	69	55229	67.824	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 135.640%#			
11) 1,1-Dichloroethene-d2	2.307	63	114859	45.909	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.820%			
21) 2-Butanone-d5	4.465	46	91091	102.043	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 102.040%			
24) Chloroform-d	5.062	84	121767	47.685	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.380%			
26) 1,2-Dichloroethane-d4	5.964	65	85903	51.423	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.840%			
32) Benzene-d6	5.977	84	190492	40.749	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.500%			
36) 1,2-Dichloropropane-d6	7.312	67	64377	46.736	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.480%			
41) Toluene-d8	8.653	98	178220	45.352	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.700%			
43) trans-1,3-Dichloroprop...	8.952	79	35502	48.290	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.580%			
47) 2-Hexanone-d5	9.385	63	65014	110.495	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 110.490%			
56) 1,1,2,2-Tetrachloroeth...	11.195	84	88704	46.522	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 93.040%			
66) 1,2-Dichlorobenzene-d4	12.323	152	57136	48.526	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	67952	45.792	ug/L	100
3) Chloromethane	1.288	50	58423	56.022	ug/L	89
5) Vinyl chloride	1.374	62	63473	51.286	ug/L	97
6) Bromomethane	1.612	94	40243	50.988	ug/L	100
8) Chloroethane	1.691	64	48290	66.942	ug/L	100
9) Trichlorofluoromethane	1.886	101	108541	47.488	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	50805	43.570	ug/L #	83
12) 1,1-Dichloroethene	2.319	96	42605	41.546	ug/L #	69
13) Acetone	2.392	43	66566	75.783	ug/L	86
14) Carbon disulfide	2.514	76	110126	41.363	ug/L	99
15) Methyl Acetate	2.709	43	64260	52.909	ug/L #	76
16) Methylene chloride	2.788	84	50816	44.071	ug/L #	65
17) trans-1,2-Dichloroethene	3.093	96	45155	43.377	ug/L	79
18) Methyl tert-butyl Ether	3.117	73	185006	45.826	ug/L #	83
19) 1,1-Dichloroethane	3.611	63	106460	48.975	ug/L	93
20) cis-1,2-Dichloroethene	4.489	96	52289	43.371	ug/L #	67
22) 2-Butanone	4.562	43	98425	94.346	ug/L	78
23) Bromochloromethane	4.898	128	23801	41.928	ug/L #	46

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Chloroform	5.093	83	116493	48.551 ug/L	95
27) 1,2-Dichloroethane	6.086	62	103701	55.957 ug/L	98
29) Cyclohexane	5.477	56	87996	43.789 ug/L #	77
30) 1,1,1-Trichloroethane	5.391	97	104388	43.889 ug/L #	87
31) Carbon tetrachloride	5.678	117	82849	43.431 ug/L	99
33) Benzene	6.044	78	209020	42.310 ug/L	100
34) Trichloroethene	7.129	95	55662	44.232 ug/L	96
35) Methylcyclohexane	7.385	83	86926	46.440 ug/L #	84
37) 1,2-Dichloropropane	7.434	63	58245	50.769 ug/L #	95
38) Bromodichloromethane	7.824	83	85384	49.752 ug/L #	91
39) cis-1,3-Dichloropropene	8.366	75	91693	49.518 ug/L	96
40) 4-Methyl-2-pentanone	8.574	43	196068	109.679 ug/L #	77
42) Toluene	8.720	91	221289	47.051 ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	94952	51.143 ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	53626	50.678 ug/L	98
46) Tetrachloroethene	9.275	164	32667	46.879 ug/L	93
48) 2-Hexanone	9.433	43	153396	104.274 ug/L #	78
49) Dibromochloromethane	9.525	129	54221	48.296 ug/L	98
50) 1,2-Dibromoethane	9.610	107	55967	49.547 ug/L #	100
51) Chlorobenzene	10.080	112	134985	49.000 ug/L #	85
52) Ethylbenzene	10.195	91	262937	51.999 ug/L	98
53) m,p-Xylene	10.305	106	92994	50.560 ug/L	97
54) o-Xylene	10.647	106	89646	51.505 ug/L	92
55) Styrene	10.659	104	153390	50.622 ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.214	83	89437	47.254 ug/L	94
59) Bromoform	10.805	173	32647	46.242 ug/L #	95
60) Isopropylbenzene	10.964	105	251127	50.151 ug/L	96
61) 1,2,3-Trichloropropane	11.244	75	79680	54.696 ug/L #	91
62) 1,3,5-Trimethylbenzene	11.457	105	218753	52.747 ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	220505	54.214 ug/L	98
64) 1,3-Dichlorobenzene	11.970	146	92130	50.814 ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	90421	49.054 ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	93291	49.862 ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	23041	50.931 ug/L #	75
69) 1,3,5-Trichlorobenzene	13.116	180	58650	45.118 ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	53629	48.171 ug/L	98
71) Naphthalene	13.780	128	212379	53.017 ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	53467	48.953 ug/L	97

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