

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111821\
 Data File : VX025207.D
 Acq On : 18 Nov 2021 12:27
 Operator : JC/MD
 Sample : M4068-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2021

Quant Time: Nov 19 08:10:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/19/2021
 Supervised By : Mahesh Dadoda 11/26/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	109005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170641	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63537	55.298	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.600%			
35) Dibromofluoromethane	5.391	113	56295	53.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.540%			
50) Toluene-d8	8.653	98	202215	51.368	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.740%			
62) 4-Bromofluorobenzene	11.085	95	73268	49.198	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1958	2.072	ug/l	100
3) Chloromethane	1.294	50	2409	2.059	ug/l	100
4) Vinyl Chloride	1.374	62	2784	2.167	ug/l	99
5) Bromomethane	1.599	94	2270	4.110	ug/l	98
6) Chloroethane	1.678	64	2311	2.607	ug/l	96
7) Trichlorofluoromethane	1.886	101	4408	2.312	ug/l	91
8) Diethyl Ether	2.136	74	1975	2.510	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.325	101	2328	2.295	ug/l	96
10) Methyl Iodide	2.453	142	2514	1.982	ug/l #	90
11) Tert butyl alcohol	2.965	59	5926	12.351	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	2290	2.267	ug/l	95
13) Acrolein	2.233	56	819	15.559	ug/l	84
14) Allyl chloride	2.660	41	4590	2.510	ug/l	95
15) Acrylonitrile	3.068	53	7686	12.466	ug/l	99
16) Acetone	2.380	43	8297	12.996	ug/l	97
17) Carbon Disulfide	2.508	76	6055	2.130	ug/l	99
18) Methyl Acetate	2.709	43	5435	2.664	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	8713	2.475	ug/l	98
20) Methylene Chloride	2.788	84	3034	2.528	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	2646	2.391	ug/l	82
22) Diisopropyl ether	3.763	45	8420	2.418	ug/l	89
23) Vinyl Acetate	3.727	43	32598	11.654	ug/l	96
24) 1,1-Dichloroethane	3.611	63	4366	2.295	ug/l #	93
25) 2-Butanone	4.562	43	11465	12.421	ug/l	99
26) 2,2-Dichloropropane	4.477	77	3919	2.272	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	3209	2.483	ug/l	91
28) Bromochloromethane	4.903	49	2205	2.485	ug/l #	87
29) Tetrahydrofuran	5.013	42	7263	12.708	ug/l	99
30) Chloroform	5.099	83	4850	2.449	ug/l	92
31) Cyclohexane	5.470	56	3754	2.114	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	4295	2.369	ug/l	97
36) 1,1-Dichloropropene	5.702	75	3292	2.211	ug/l	97
37) Ethyl Acetate	4.721	43	4557	2.690	ug/l	99
38) Carbon Tetrachloride	5.678	117	3941	2.403	ug/l	89
39) Methylcyclohexane	7.385	83	4280	2.241	ug/l	92
40) Benzene	6.037	78	10480	2.324	ug/l	95

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41) Methacrylonitrile	4.934	41	2293	2.439	ug/l	95
42) 1,2-Dichloroethane	6.092	62	3578	2.438	ug/l	88
43) Isopropyl Acetate	6.348	43	6998	2.482	ug/l	99
44) Trichloroethene	7.135	130	3284	2.507	ug/l	78
45) 1,2-Dichloropropane	7.434	63	2758	2.490	ug/l	95
46) Dibromomethane	7.586	93	2027	2.521	ug/l	93
47) Bromodichloromethane	7.824	83	3853	2.438	ug/l	93
48) Methyl methacrylate	7.696	41	3267	2.469	ug/l	98
49) 1,4-Dioxane	7.665	88	1396	49.967	ug/l #	93
51) 4-Methyl-2-Pentanone	8.580	43	21299	12.049	ug/l	100
52) Toluene	8.720	92	6880	2.337	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	3907	2.223	ug/l	92
54) cis-1,3-Dichloropropene	8.366	75	4402	2.311	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	2836	2.423	ug/l	99
56) Ethyl methacrylate	9.122	69	4352	2.292	ug/l	98
57) 1,3-Dichloropropane	9.311	76	4629	2.387	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	10660	12.065	ug/l	95
59) 2-Hexanone	9.433	43	15821	11.353	ug/l	96
60) Dibromochloromethane	9.525	129	3058	2.270	ug/l	98
61) 1,2-Dibromoethane	9.610	107	3014	2.378	ug/l	99
64) Tetrachloroethene	9.275	164	3154	2.468	ug/l	90
65) Chlorobenzene	10.079	112	7463	2.363	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	2927	2.416	ug/l	98
67) Ethyl Benzene	10.195	91	12403	2.272	ug/l	99
68) m/p-Xylenes	10.305	106	10241	4.593	ug/l	92
69) o-Xylene	10.646	106	5011	2.296	ug/l	91
70) Styrene	10.659	104	7972	2.211	ug/l	97
71) Bromoform	10.805	173	2284	2.172	ug/l #	99
73) Isopropylbenzene	10.963	105	12723	2.451	ug/l	100
74) N-amyl acetate	10.848	43	5246	2.337	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	4244	2.528	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	3807m	2.553	ug/l	
77) Bromobenzene	11.201	156	3336	2.499	ug/l	92
78) n-propylbenzene	11.305	91	13268	2.277	ug/l	95
79) 2-Chlorotoluene	11.366	91	8863	2.499	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	10479	2.402	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.024	75	1221	2.063	ug/l	95
82) 4-Chlorotoluene	11.457	91	9599	2.371	ug/l	95
83) tert-Butylbenzene	11.719	119	10475	2.363	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	10237	2.374	ug/l	96
85) sec-Butylbenzene	11.896	105	12375	2.296	ug/l	97
86) p-Isopropyltoluene	12.012	119	10462	2.259	ug/l	98
87) 1,3-Dichlorobenzene	11.975	146	5889	2.370	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	6013	2.388	ug/l	88
89) n-Butylbenzene	12.335	91	8072	2.068	ug/l	97
90) Hexachloroethane	12.542	117	1804	2.114	ug/l	95
91) 1,2-Dichlorobenzene	12.341	146	5881	2.429	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	851	2.427	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	3066	2.151	ug/l	95
94) Hexachlorobutadiene	13.725	225	1503	2.196	ug/l	97
95) Naphthalene	13.780	128	8249	1.314	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	2882	2.067	ug/l	96

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

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