

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032522\
 Data File : VX027712.D
 Acq On : 25 Mar 2022 21:37
 Operator : JC/MD
 Sample : N1645-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2022

Quant Time: Mar 26 07:02:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032522W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 06:55:17 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	60346	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	106064	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	91657	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51674	52.209	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.420%			
35) Dibromofluoromethane	5.391	113	36202	51.976	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.960%			
50) Toluene-d8	8.653	98	129880	48.238	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.480%			
62) 4-Bromofluorobenzene	11.085	95	50864	46.556	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	1642	2.346	ug/l	93
3) Chloromethane	1.294	50	1791	2.469	ug/l	# 86
4) Vinyl Chloride	1.374	62	1786	2.564	ug/l	96
5) Bromomethane	1.599	94	1202	4.297	ug/l	96
6) Chloroethane	1.678	64	1176m	2.630	ug/l	
7) Trichlorofluoromethane	1.886	101	2419	2.352	ug/l	91
8) Diethyl Ether	2.136	74	986	2.657	ug/l	66
9) 1,1,2-Trichlorotrifluo...	2.325	101	1774	2.580	ug/l	96
10) Methyl Iodide	2.453	142	1740	2.590	ug/l	# 82
11) Tert butyl alcohol	2.965	59	2442	13.251	ug/l	# 85
12) 1,1-Dichloroethene	2.319	96	1749	2.728	ug/l	96
13) Acrolein	2.239	56	1580	12.249	ug/l	# 82
14) Allyl chloride	2.660	41	3378	2.786	ug/l	# 84
15) Acrylonitrile	3.068	53	6142	13.610	ug/l	98
16) Acetone	2.386	43	6057	14.470	ug/l	92
17) Carbon Disulfide	2.508	76	4243	2.467	ug/l	# 91
18) Methyl Acetate	2.709	43	3266	3.051	ug/l	# 87
19) Methyl tert-butyl Ether	3.117	73	6395	2.718	ug/l	# 85
20) Methylene Chloride	2.788	84	2267	3.036	ug/l	# 80
21) trans-1,2-Dichloroethene	3.093	96	1927	2.703	ug/l	# 77
22) Diisopropyl ether	3.770	45	6657	2.755	ug/l	# 82
23) Vinyl Acetate	3.727	43	27954	13.231	ug/l	# 88
24) 1,1-Dichloroethane	3.611	63	3687	2.693	ug/l	98
25) 2-Butanone	4.562	43	8878	13.207	ug/l	# 88
26) 2,2-Dichloropropane	4.477	77	2228	2.128	ug/l	79
27) cis-1,2-Dichloroethene	4.489	96	2428	3.057	ug/l	92
28) Bromochloromethane	4.910	49	1652	3.025	ug/l	# 71
29) Tetrahydrofuran	5.013	42	5858	14.770	ug/l	# 85
30) Chloroform	5.099	83	3787	2.760	ug/l	95
31) Cyclohexane	5.483	56	2823	2.352	ug/l	85
32) 1,1,1-Trichloroethane	5.391	97	3257	2.671	ug/l	93
36) 1,1-Dichloropropene	5.696	75	2612	2.374	ug/l	95
37) Ethyl Acetate	4.727	43	3214	2.510	ug/l	# 82
38) Carbon Tetrachloride	5.684	117	2718	2.528	ug/l	88
39) Methylcyclohexane	7.385	83	2969	2.346	ug/l	# 89
40) Benzene	6.044	78	7834	2.578	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	1825	2.721	ug/l #	71
42) 1,2-Dichloroethane	6.092	62	2973	2.301	ug/l	90
43) Isopropyl Acetate	6.354	43	4702	2.431	ug/l #	93
44) Trichloroethene	7.135	130	1967	2.502	ug/l	88
45) 1,2-Dichloropropane	7.440	63	1870	2.345	ug/l	98
46) Dibromomethane	7.586	93	1238	2.169	ug/l	93
47) Bromodichloromethane	7.830	83	2330	2.085	ug/l	95
48) Methyl methacrylate	7.702	41	1912	2.001	ug/l	89
49) 1,4-Dioxane	7.671	88	1037	50.828	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	14557	10.965	ug/l	90
52) Toluene	8.720	92	4425	2.329	ug/l	91
53) t-1,3-Dichloropropene	8.982	75	2143	1.935	ug/l	93
54) cis-1,3-Dichloropropene	8.372	75	2550	2.069	ug/l #	82
55) 1,1,2-Trichloroethane	9.159	97	1810	2.345	ug/l #	77
56) Ethyl methacrylate	9.122	69	3003	2.380	ug/l #	76
57) 1,3-Dichloropropane	9.311	76	3562	2.558	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.250	63	7358	11.392	ug/l	91
59) 2-Hexanone	9.433	43	13053	12.581	ug/l	83
60) Dibromochloromethane	9.525	129	1672	2.239	ug/l	98
61) 1,2-Dibromoethane	9.610	107	2154	2.613	ug/l	89
64) Tetrachloroethene	9.275	164	1956	2.843	ug/l #	89
65) Chlorobenzene	10.079	112	4788	2.479	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	1762	2.655	ug/l	91
67) Ethyl Benzene	10.195	91	9278	2.580	ug/l	91
68) m/p-Xylenes	10.305	106	6531	5.010	ug/l	84
69) o-Xylene	10.646	106	3396	2.592	ug/l	91
70) Styrene	10.659	104	4790	2.300	ug/l #	86
71) Bromoform	10.805	173	1100	2.288	ug/l #	97
73) Isopropylbenzene	10.963	105	8026	2.516	ug/l	99
74) N-amyl acetate	10.848	43	3781	2.469	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.213	83	3024	2.690	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	3168m	2.929	ug/l	
77) Bromobenzene	11.201	156	1817	2.578	ug/l	72
78) n-propylbenzene	11.305	91	9749	2.576	ug/l	97
79) 2-Chlorotoluene	11.366	91	6517	2.731	ug/l	85
80) 1,3,5-Trimethylbenzene	11.451	105	6849	2.498	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.024	75	559m	1.759	ug/l	
82) 4-Chlorotoluene	11.457	91	7628	2.779	ug/l	88
83) tert-Butylbenzene	11.713	119	6438	2.556	ug/l	84
84) 1,2,4-Trimethylbenzene	11.756	105	6842	2.458	ug/l	96
85) sec-Butylbenzene	11.890	105	7874	2.386	ug/l	96
86) p-Isopropyltoluene	12.012	119	6262	2.411	ug/l	91
87) 1,3-Dichlorobenzene	11.975	146	3528	2.677	ug/l	93
88) 1,4-Dichlorobenzene	12.042	146	3728	2.731	ug/l	88
89) n-Butylbenzene	12.335	91	5681	2.311	ug/l	95
90) Hexachloroethane	12.542	117	818	1.974	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	3317	2.596	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.945	75	676	2.454	ug/l #	54
93) 1,2,4-Trichlorobenzene	13.591	180	1777	2.359	ug/l	95
94) Hexachlorobutadiene	13.725	225	859	2.342	ug/l	95
95) Naphthalene	13.780	128	6487	2.345	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1906	2.532	ug/l	88

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

