

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111721\
 Data File : VX025195.D
 Acq On : 17 Nov 2021 18:34
 Operator : JC/MD
 Sample : M4068-07 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2021

Quant Time: Nov 18 07:01:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 06:58:13 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2021
 Supervised By : Mahesh Dadoda 11/18/2021

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	115383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180878	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	164995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63493	52.205	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.420%			
35) Dibromofluoromethane	5.391	113	57085	51.437	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.880%			
50) Toluene-d8	8.653	98	210708	50.496	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.000%			
62) 4-Bromofluorobenzene	11.085	95	75704	47.957	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2302	2.302	ug/l	96
3) Chloromethane	1.288	50	3123	2.522	ug/l	91
4) Vinyl Chloride	1.374	62	3543	2.606	ug/l	99
5) Bromomethane	1.599	94	2919	4.993	ug/l	99
6) Chloroethane	1.685	64	2790	2.974	ug/l	100
7) Trichlorofluoromethane	1.886	101	5463	2.707	ug/l	92
8) Diethyl Ether	2.136	74	2274	2.730	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.325	101	2790	2.598	ug/l	93
10) Methyl Iodide	2.453	142	2547	1.897	ug/l	89
11) Tert butyl alcohol	2.965	59	7488	22.858	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	2795	2.614	ug/l	83
13) Acrolein	2.233	56	1014	18.199	ug/l	85
14) Allyl chloride	2.660	41	4976	2.571	ug/l	92
15) Acrylonitrile	3.068	53	9153	14.024	ug/l	94
16) Acetone	2.380	43	9004	13.323	ug/l	99
17) Carbon Disulfide	2.508	76	7468	2.482	ug/l	97
18) Methyl Acetate	2.703	43	5862	2.715	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	9692	2.601	ug/l	94
20) Methylene Chloride	2.794	84	3325	2.617	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	3109	2.654	ug/l #	70
22) Diisopropyl ether	3.770	45	9283	2.519	ug/l	96
23) Vinyl Acetate	3.727	43	36534	12.340	ug/l	97
24) 1,1-Dichloroethane	3.617	63	5474	2.718	ug/l	96
25) 2-Butanone	4.562	43	13080	13.387	ug/l	95
26) 2,2-Dichloropropane	4.477	77	4686	2.566	ug/l	96
27) cis-1,2-Dichloroethene	4.501	96	3605	2.635	ug/l	98
28) Bromochloromethane	4.910	49	2380	2.534	ug/l #	91
29) Tetrahydrofuran	5.013	42	8317	13.748	ug/l	98
30) Chloroform	5.099	83	5392	2.573	ug/l	87
31) Cyclohexane	5.470	56	4838	2.574	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	5076	2.645	ug/l	97
36) 1,1-Dichloropropene	5.702	75	4121	2.611	ug/l	97
37) Ethyl Acetate	4.727	43	5177	2.883	ug/l #	93
38) Carbon Tetrachloride	5.684	117	4440	2.554	ug/l	97
39) Methylcyclohexane	7.379	83	5101	2.520	ug/l	90
40) Benzene	6.037	78	12353	2.584	ug/l	99

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41) Methacrylonitrile	4.928	41	2687	2.696	ug/l	97
42) 1,2-Dichloroethane	6.092	62	4190	2.694	ug/l	98
43) Isopropyl Acetate	6.348	43	7793	2.608	ug/l	98
44) Trichloroethene	7.129	130	3571	2.571	ug/l	88
45) 1,2-Dichloropropane	7.434	63	3042	2.591	ug/l	100
46) Dibromomethane	7.586	93	2135	2.505	ug/l	89
47) Bromodichloromethane	7.824	83	4275	2.552	ug/l	97
48) Methyl methacrylate	7.702	41	3924	2.798	ug/l	93
49) 1,4-Dioxane	7.665	88	1560	52.677	ug/l	95
51) 4-Methyl-2-Pentanone	8.580	43	24219	12.926	ug/l	98
52) Toluene	8.720	92	8436	2.703	ug/l	91
53) t-1,3-Dichloropropene	8.982	75	4450	2.389	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	4933	2.443	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	3250	2.620	ug/l	93
56) Ethyl methacrylate	9.116	69	5027	2.497	ug/l	97
57) 1,3-Dichloropropane	9.311	76	5346	2.600	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	11387	12.158	ug/l	94
59) 2-Hexanone	9.433	43	18518	12.536	ug/l	97
60) Dibromochloromethane	9.525	129	3466	2.428	ug/l	100
61) 1,2-Dibromoethane	9.610	107	3314	2.467	ug/l	100
64) Tetrachloroethene	9.275	164	3844	2.825	ug/l #	87
65) Chlorobenzene	10.079	112	8748	2.602	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	3340	2.590	ug/l	99
67) Ethyl Benzene	10.195	91	15056	2.591	ug/l	98
68) m/p-Xylenes	10.305	106	11829	4.984	ug/l	92
69) o-Xylene	10.646	106	5782	2.489	ug/l	94
70) Styrene	10.659	104	9136	2.381	ug/l	96
71) Bromoform	10.799	173	2557	2.284	ug/l #	92
73) Isopropylbenzene	10.963	105	14662	2.681	ug/l	99
74) N-amyl acetate	10.841	43	5955	2.517	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	4979	2.814	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	4207m	2.677	ug/l	
77) Bromobenzene	11.201	156	3818	2.714	ug/l	95
78) n-propylbenzene	11.305	91	15872	2.585	ug/l	98
79) 2-Chlorotoluene	11.366	91	9872	2.641	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	12351	2.686	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	1473	2.361	ug/l	94
82) 4-Chlorotoluene	11.457	91	10869	2.547	ug/l	95
83) tert-Butylbenzene	11.719	119	12435	2.661	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	11957	2.631	ug/l	94
85) sec-Butylbenzene	11.890	105	14599	2.570	ug/l	98
86) p-Isopropyltoluene	12.012	119	12020	2.463	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	6850	2.616	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	6858	2.585	ug/l	91
89) n-Butylbenzene	12.335	91	9993	2.429	ug/l	98
90) Hexachloroethane	12.542	117	2156	2.397	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	7076	2.773	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	884	2.392	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	3430	2.284	ug/l	96
94) Hexachlorobutadiene	13.725	225	1826	2.532	ug/l	94
95) Naphthalene	13.780	128	9768	2.089	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	3431	2.335	ug/l	99

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

