

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111521\
 Data File : VN069492.D
 Acq On : 15 Nov 2021 15:41
 Operator : JC/MD
 Sample : M4068-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Nov 16 02:45:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 02:35:15 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/16/2021
 Supervised By :Mahesh Dadoda 11/18/2021

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

Internal Standards						
1) Pentafluorobenzene	8.085	168	1031189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1777996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1600787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	542196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	779128	52.110	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.220%			
35) Dibromofluoromethane	8.021	113	514875	48.283	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.560%			
50) Toluene-d8	10.440	98	2062065	49.167	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.340%			
62) 4-Bromofluorobenzene	12.733	95	650258	42.205	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 84.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	21987	1.996	ug/l	95
3) Chloromethane	2.303	50	30154	2.360	ug/l	98
4) Vinyl Chloride	2.445	62	28167	2.202	ug/l	99
5) Bromomethane	2.845	94	18331	2.206	ug/l	94
6) Chloroethane	3.017	64	18969	2.197	ug/l	95
7) Trichlorofluoromethane	3.368	101	42894	2.169	ug/l	99
8) Diethyl Ether	3.821	74	14084	2.202	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.210	101	20813m	2.235	ug/l	
10) Methyl Iodide	4.414	142	22525	1.972	ug/l #	44
11) Tert butyl alcohol	5.379	59	37638m	13.970	ug/l	
12) 1,1-Dichloroethene	4.175	96	18348	2.195	ug/l	93
13) Acrolein	4.049	56	7173m	16.946	ug/l	
14) Allyl chloride	4.843	41	38696	2.094	ug/l	89
15) Acrylonitrile	5.567	53	74240	10.760	ug/l	96
16) Acetone	4.296	43	84550	10.481	ug/l	97
17) Carbon Disulfide	4.518	76	38218	1.934	ug/l	99
18) Methyl Acetate	4.864	43	64735	2.469	ug/l #	74
19) Methyl tert-butyl Ether	5.615	73	74658	2.111	ug/l	97
20) Methylene Chloride	5.095	84	27562	2.409	ug/l #	89
21) trans-1,2-Dichloroethene	5.594	96	19662	2.106	ug/l	88
22) Diisopropyl ether	6.495	45	86898	2.183	ug/l #	95
23) Vinyl Acetate	6.436	43	257365	8.360	ug/l #	93
24) 1,1-Dichloroethane	6.382	63	45066	2.223	ug/l	95
25) 2-Butanone	7.343	43	114535	10.485	ug/l	92
26) 2,2-Dichloropropane	7.327	77	31250	1.970	ug/l #	72
27) cis-1,2-Dichloroethene	7.321	96	26564m	2.296	ug/l	
28) Bromochloromethane	7.656	49	27507	2.649	ug/l #	83
29) Tetrahydrofuran	7.689	42	70415	10.504	ug/l	90
30) Chloroform	7.815	83	45724	2.200	ug/l	95
31) Cyclohexane	8.091	56	68819	3.369	ug/l #	79
32) 1,1,1-Trichloroethane	8.013	97	35409	2.041	ug/l	92
36) 1,1-Dichloropropene	8.222	75	31477	2.104	ug/l	97
37) Ethyl Acetate	7.420	43	41152	2.035	ug/l	98
38) Carbon Tetrachloride	8.206	117	28510	1.974	ug/l	95
39) Methylcyclohexane	9.459	83	37833	2.033	ug/l	94
40) Benzene	8.461	78	99684	2.159	ug/l	96

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41) Methacrylonitrile	7.640	41	22024	2.108	ug/l #	89
42) 1,2-Dichloroethane	8.531	62	40651	2.248	ug/l	90
43) Isopropyl Acetate	8.560	43	66702	2.053	ug/l	93
44) Trichloroethene	9.220	130	23935	2.166	ug/l	98
45) 1,2-Dichloropropane	9.488	63	27588	2.236	ug/l	98
46) Dibromomethane	9.574	93	17556	2.124	ug/l	91
47) Bromodichloromethane	9.762	83	27647	1.793	ug/l	90
48) Methyl methacrylate	9.558	41	29279	1.916	ug/l	91
49) 1,4-Dioxane	9.577	88	10701	39.259	ug/l #	84
51) 4-Methyl-2-Pentanone	10.333	43	219954	10.490	ug/l	94
52) Toluene	10.505	92	61691	2.144	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	27606	1.713	ug/l #	88
54) cis-1,3-Dichloropropene	10.191	75	30508	1.735	ug/l #	81
55) 1,1,2-Trichloroethane	10.899	97	24838	2.142	ug/l	97
56) Ethyl methacrylate	10.762	69	35724	1.861	ug/l #	83
57) 1,3-Dichloropropane	11.044	76	43179	2.119	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	36731	8.256	ug/l	94
59) 2-Hexanone	11.087	43	147588	9.445	ug/l	93
60) Dibromochloromethane	11.240	129	17045	1.570	ug/l	95
61) 1,2-Dibromoethane	11.344	107	23963	2.041	ug/l	97
64) Tetrachloroethene	10.977	164	22118	2.288	ug/l	96
65) Chlorobenzene	11.771	112	63159	2.120	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.838	131	19408	1.878	ug/l #	65
67) Ethyl Benzene	11.846	91	112012	2.038	ug/l	96
68) m/p-Xylenes	11.953	106	78817	3.900	ug/l	95
69) o-Xylene	12.280	106	41057	2.038	ug/l	97
70) Styrene	12.296	104	56751	1.753	ug/l	93
71) Bromoform	12.460	173	11700	1.587	ug/l #	98
73) Isopropylbenzene	12.578	105	99398	2.302	ug/l	96
74) N-amyl acetate	12.390	43	34846	1.905	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	35618	2.446	ug/l	97
76) 1,2,3-Trichloropropane	12.881	75	32820m	2.623	ug/l	
77) Bromobenzene	12.859	156	24481	2.480	ug/l	81
78) n-propylbenzene	12.918	91	106791	2.198	ug/l	96
79) 2-Chlorotoluene	13.007	91	70819	2.355	ug/l	96
80) 1,3,5-Trimethylbenzene	13.061	105	78004	2.235	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.618	75	5713m	1.532	ug/l	
82) 4-Chlorotoluene	13.106	91	62137	2.167	ug/l	93
83) tert-Butylbenzene	13.323	119	70664	2.311	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	75051	2.228	ug/l	95
85) sec-Butylbenzene	13.503	105	90481	2.118	ug/l	98
86) p-Isopropyltoluene	13.616	119	67514	1.991	ug/l	95
87) 1,3-Dichlorobenzene	13.616	146	35838	2.094	ug/l	95
88) 1,4-Dichlorobenzene	13.694	146	37282m	2.220	ug/l	
89) n-Butylbenzene	13.943	91	50945	1.801	ug/l	97
90) Hexachloroethane	14.211	117	10722	1.928	ug/l	78
91) 1,2-Dichlorobenzene	13.989	146	36118	2.217	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.605	75	4758	2.022	ug/l	76
93) 1,2,4-Trichlorobenzene	15.260	180	11135	1.551	ug/l	97
94) Hexachlorobutadiene	15.367	225	9205	2.175	ug/l	97
95) Naphthalene	15.507	128	28420	1.477	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	11448	1.666	ug/l	93

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

