

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070180.D
 Acq On : 17 Dec 2021 22:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 18 06:00:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	977522	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1631256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1526663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	656638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	829341	54.949	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.900%			
35) Dibromofluoromethane	8.021	113	563212	55.120	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.240%			
50) Toluene-d8	10.440	98	2199129	53.601	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.200%			
62) 4-Bromofluorobenzene	12.731	95	842024	56.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 113.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	480472	42.142	ug/l	100
3) Chloromethane	2.301	50	595828	41.714	ug/l	99
4) Vinyl Chloride	2.443	62	561673	42.765	ug/l	99
5) Bromomethane	2.834	94	307008	43.026	ug/l	100
6) Chloroethane	3.006	64	349755	43.457	ug/l	98
7) Trichlorofluoromethane	3.368	101	761613	44.183	ug/l	97
8) Diethyl Ether	3.821	74	350562	52.803	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.199	101	476653	49.329	ug/l	97
10) Methyl Iodide	4.414	142	630755	47.783	ug/l	98
11) Tert butyl alcohol	5.387	59	759393	266.180	ug/l	99
12) 1,1-Dichloroethene	4.173	96	451719	48.513	ug/l	88
13) Acrolein	4.038	56	537191	221.109	ug/l	99
14) Allyl chloride	4.835	41	1068848	50.942	ug/l	# 91
15) Acrylonitrile	5.556	53	2029928	264.051	ug/l	99
16) Acetone	4.288	43	1921202	211.607	ug/l	97
17) Carbon Disulfide	4.521	76	992550	41.260	ug/l	99
18) Methyl Acetate	4.856	43	1404989	51.268	ug/l	92
19) Methyl tert-butyl Ether	5.618	73	1968576	54.373	ug/l	95
20) Methylene Chloride	5.090	84	580940	48.133	ug/l	87
21) trans-1,2-Dichloroethene	5.594	96	474826	46.950	ug/l	84
22) Diisopropyl ether	6.498	45	2254802	54.982	ug/l	94
23) Vinyl Acetate	6.433	43	9064371	271.681	ug/l	94
24) 1,1-Dichloroethane	6.385	63	1102240	51.886	ug/l	98
25) 2-Butanone	7.337	43	3050503	247.287	ug/l	91
26) 2,2-Dichloropropane	7.324	77	766278	46.393	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	614244	50.270	ug/l	87
28) Bromochloromethane	7.656	49	517270	46.825	ug/l	# 78
29) Tetrahydrofuran	7.686	42	1964478	262.258	ug/l	88
30) Chloroform	7.817	83	1113498	51.900	ug/l	99
31) Cyclohexane	8.094	56	958429	45.630	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	937092	51.277	ug/l	96
36) 1,1-Dichloropropene	8.220	75	762264	49.086	ug/l	96
37) Ethyl Acetate	7.415	43	1168385	50.551	ug/l	96
38) Carbon Tetrachloride	8.206	117	746045	48.991	ug/l	99
39) Methylcyclohexane	9.459	83	883537	47.833	ug/l	89
40) Benzene	8.461	78	2377132	50.080	ug/l	99

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41) Methacrylonitrile	7.638	41	616897	56.857	ug/l #	88
42) 1,2-Dichloroethane	8.531	62	979197	51.103	ug/l	96
43) Isopropyl Acetate	8.563	43	1838714	53.758	ug/l #	94
44) Trichloroethene	9.215	130	552012	48.725	ug/l	90
45) 1,2-Dichloropropane	9.491	63	669536	52.527	ug/l	100
46) Dibromomethane	9.577	93	425789	50.935	ug/l	93
47) Bromodichloromethane	9.762	83	857786	54.196	ug/l	99
48) Methyl methacrylate	9.561	41	859454	53.844	ug/l	87
49) 1,4-Dioxane	9.571	88	299808	1046.793	ug/l #	81
51) 4-Methyl-2-Pentanone	10.330	43	6188060	278.883	ug/l	96
52) Toluene	10.505	92	1471831	50.790	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	904731	47.658	ug/l	100
54) cis-1,3-Dichloropropene	10.191	75	972127	48.705	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	617064	52.775	ug/l	97
56) Ethyl methacrylate	10.762	69	1088797	49.382	ug/l #	88
57) 1,3-Dichloropropane	11.044	76	1085839	52.741	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1661735	276.794	ug/l	91
59) 2-Hexanone	11.087	43	4547172	270.905	ug/l	94
60) Dibromochloromethane	11.240	129	602617	48.192	ug/l	100
61) 1,2-Dibromoethane	11.347	107	626648	51.744	ug/l	100
64) Tetrachloroethene	10.977	164	505046	48.788	ug/l	95
65) Chlorobenzene	11.771	112	1570644	50.713	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	577268	52.956	ug/l	100
67) Ethyl Benzene	11.846	91	2965133	52.705	ug/l	97
68) m/p-Xylenes	11.953	106	2157378	105.318	ug/l	91
69) o-Xylene	12.280	106	1098522	53.240	ug/l	91
70) Styrene	12.294	104	1803081	55.110	ug/l	95
71) Bromoform	12.460	173	454977	48.864	ug/l #	99
73) Isopropylbenzene	12.578	105	2908687	49.787	ug/l	98
74) N-amyl acetate	12.387	43	1414089	54.732	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	1017021	50.341	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	889156m	47.218	ug/l	
77) Bromobenzene	12.859	156	668379	48.706	ug/l	77
78) n-propylbenzene	12.921	91	3287391	50.567	ug/l	96
79) 2-Chlorotoluene	13.007	91	2044012	49.758	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	2380728	50.629	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.626	75	268024	46.861	ug/l	93
82) 4-Chlorotoluene	13.106	91	1973370	51.081	ug/l	92
83) tert-Butylbenzene	13.323	119	2104391	50.541	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	2346805	52.404	ug/l	97
85) sec-Butylbenzene	13.500	105	2910266	51.530	ug/l	97
86) p-Isopropyltoluene	13.616	119	2296489	52.020	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1121908	49.765	ug/l	95
88) 1,4-Dichlorobenzene	13.694	146	1100054	49.653	ug/l	96
89) n-Butylbenzene	13.943	91	1886974	52.693	ug/l	97
90) Hexachloroethane	14.211	117	385601	49.750	ug/l	89
91) 1,2-Dichlorobenzene	13.989	146	1118445	50.918	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	195263	53.488	ug/l	78
93) 1,2,4-Trichlorobenzene	15.262	180	541854	50.279	ug/l	98
94) Hexachlorobutadiene	15.370	225	309254	53.124	ug/l	98
95) Naphthalene	15.507	128	1687941	52.393	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	550134	52.279	ug/l	98

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

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