

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113021\
 Data File : VN069685.D
 Acq On : 30 Nov 2021 17:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2021
 Supervised By : Mahesh Dadoda 12/01/2021

Quant Time: Dec 01 01:50:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	1104497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1802009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1724431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	734036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	815264	50.907	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.820%			
35) Dibromofluoromethane	8.019	113	570418	52.779	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.560%			
50) Toluene-d8	10.440	98	2170365	51.060	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.120%			
62) 4-Bromofluorobenzene	12.728	95	857128	54.890	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	503934	42.707	ug/l	100
3) Chloromethane	2.303	50	580051	42.387	ug/l	98
4) Vinyl Chloride	2.451	62	597174	43.582	ug/l	98
5) Bromomethane	2.842	94	419509	47.141	ug/l	99
6) Chloroethane	3.017	64	380608	41.152	ug/l	99
7) Trichlorofluoromethane	3.379	101	887962	41.930	ug/l	97
8) Diethyl Ether	3.821	74	361540	52.767	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.210	101	526793	52.809	ug/l	96
10) Methyl Iodide	4.419	142	675677	55.224	ug/l	97
11) Tert butyl alcohol	5.371	59	643651	223.043	ug/l	98
12) 1,1-Dichloroethene	4.181	96	456612	51.007	ug/l	89
13) Acrolein	4.038	56	113977	279.697	ug/l	100
14) Allyl chloride	4.838	41	1074982	54.314	ug/l	94
15) Acrylonitrile	5.551	53	1957326	264.863	ug/l	99
16) Acetone	4.283	43	2001477	231.637	ug/l	97
17) Carbon Disulfide	4.529	76	831678	39.303	ug/l	98
18) Methyl Acetate	4.851	43	1433545	51.038	ug/l	92
19) Methyl tert-butyl Ether	5.615	73	2122116	56.014	ug/l	96
20) Methylene Chloride	5.095	84	606538	49.503	ug/l	86
21) trans-1,2-Dichloroethene	5.594	96	493863	49.393	ug/l	86
22) Diisopropyl ether	6.492	45	2422150	56.813	ug/l	97
23) Vinyl Acetate	6.431	43	9270033	281.126	ug/l	95
24) 1,1-Dichloroethane	6.385	63	1195951	55.074	ug/l	98
25) 2-Butanone	7.332	43	2894789	247.417	ug/l	92
26) 2,2-Dichloropropane	7.321	77	954405	56.174	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	671817	54.202	ug/l	87
28) Bromochloromethane	7.654	49	544226	48.939	ug/l #	79
29) Tetrahydrofuran	7.681	42	1805931	251.521	ug/l	89
30) Chloroform	7.817	83	1239619	55.683	ug/l	99
31) Cyclohexane	8.094	56	981582	44.864	ug/l	90
32) 1,1,1-Trichloroethane	8.013	97	1024077	55.110	ug/l	96
36) 1,1-Dichloropropene	8.220	75	817292	53.901	ug/l	96
37) Ethyl Acetate	7.410	43	1133169	55.285	ug/l	96
38) Carbon Tetrachloride	8.204	117	827665	56.539	ug/l	99
39) Methylcyclohexane	9.456	83	951836	50.463	ug/l	92
40) Benzene	8.458	78	2528313	54.021	ug/l	99

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41) Methacrylonitrile	7.635	41	590305	55.737	ug/l	90
42) 1,2-Dichloroethane	8.528	62	1062084	57.956	ug/l	96
43) Isopropyl Acetate	8.558	43	1858643	56.455	ug/l #	94
44) Trichloroethene	9.215	130	625803	55.870	ug/l	91
45) 1,2-Dichloropropane	9.488	63	736893	58.931	ug/l	100
46) Dibromomethane	9.574	93	465633	55.595	ug/l	93
47) Bromodichloromethane	9.759	83	954948	61.101	ug/l	100
48) Methyl methacrylate	9.555	41	849611	54.852	ug/l	91
49) 1,4-Dioxane	9.566	88	274061	897.007	ug/l #	83
51) 4-Methyl-2-Pentanone	10.328	43	5993143	282.024	ug/l	95
52) Toluene	10.502	92	1607902	55.146	ug/l	100
53) t-1,3-Dichloropropene	10.717	75	1029683	53.395	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	1106141	54.465	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	697313	59.329	ug/l	98
56) Ethyl methacrylate	10.759	69	1144815	51.616	ug/l #	85
57) 1,3-Dichloropropane	11.044	76	1194852	57.853	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.038	63	1314212	232.507	ug/l	93
59) 2-Hexanone	11.084	43	4153878	232.097	ug/l	93
60) Dibromochloromethane	11.237	129	701695	54.182	ug/l	100
61) 1,2-Dibromoethane	11.344	107	698487	53.174	ug/l	99
64) Tetrachloroethene	10.977	164	569928	54.736	ug/l	96
65) Chlorobenzene	11.768	112	1817534	56.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.838	131	674021	60.542	ug/l	99
67) Ethyl Benzene	11.843	91	3314554	55.991	ug/l	97
68) m/p-Xylenes	11.950	106	2428944	111.561	ug/l	93
69) o-Xylene	12.278	106	1236523	56.968	ug/l	92
70) Styrene	12.294	104	2047272	52.456	ug/l	96
71) Bromoform	12.457	173	505317	52.117	ug/l #	99
73) Isopropylbenzene	12.578	105	3337722	57.109	ug/l	99
74) N-amyl acetate	12.387	43	1346816	54.376	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.825	83	1047898	53.161	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	882347m	52.087	ug/l	
77) Bromobenzene	12.859	156	755662	56.535	ug/l	80
78) n-propylbenzene	12.918	91	3805966	57.874	ug/l	96
79) 2-Chlorotoluene	13.004	91	2328241	57.179	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2707103	57.296	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.623	75	280017	49.297	ug/l	94
82) 4-Chlorotoluene	13.104	91	2226701	57.365	ug/l	93
83) tert-Butylbenzene	13.321	119	2434151	58.790	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	2636196	57.795	ug/l	98
85) sec-Butylbenzene	13.500	105	3377712	58.400	ug/l	98
86) p-Isopropyltoluene	13.613	119	2697178	58.744	ug/l	96
87) 1,3-Dichlorobenzene	13.613	146	1288283	55.592	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	1251731	55.060	ug/l	97
89) n-Butylbenzene	13.940	91	2210186	57.725	ug/l	98
90) Hexachloroethane	14.209	117	461379	54.467	ug/l	87
91) 1,2-Dichlorobenzene	13.986	146	1255883	56.953	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	183244	50.001	ug/l	79
93) 1,2,4-Trichlorobenzene	15.263	180	579702	50.162	ug/l	98
94) Hexachlorobutadiene	15.367	225	357092	62.324	ug/l	99
95) Naphthalene	15.504	128	1424375	44.272	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	547634	49.594	ug/l	98

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

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