

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069930.D
 Acq On : 9 Dec 2021 23:33
 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 12/10/2021
 Supervised By : Mahesh Dadoda 12/15/2021

Quant Time: Dec 10 06:25:18 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	990858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1645805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1551654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	631663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	784561	51.282	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.560%			
35) Dibromofluoromethane	8.021	113	539478	52.331	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.660%			
50) Toluene-d8	10.441	98	2105879	50.874	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.731	95	762443	50.843	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	561961	48.626	ug/l	100
3) Chloromethane	2.303	50	665423	45.959	ug/l	99
4) Vinyl Chloride	2.448	62	654573	49.168	ug/l	98
5) Bromomethane	2.842	94	366832	50.718	ug/l	100
6) Chloroethane	3.014	64	397408	48.713	ug/l	97
7) Trichlorofluoromethane	3.376	101	876099	50.141	ug/l	98
8) Diethyl Ether	3.824	74	349189	51.889	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.210	101	509199	51.988	ug/l	95
10) Methyl Iodide	4.419	142	640875	47.896	ug/l	98
11) Tert butyl alcohol	5.382	59	628612	217.373	ug/l	98
12) 1,1-Dichloroethene	4.178	96	477909	50.635	ug/l	88
13) Acrolein	4.041	56	674947	274.071	ug/l	100
14) Allyl chloride	4.841	41	1107276	52.063	ug/l	94
15) Acrylonitrile	5.554	53	1867951	239.711	ug/l	99
16) Acetone	4.285	43	1765934	191.888	ug/l	95
17) Carbon Disulfide	4.529	76	1294426	53.085	ug/l	100
18) Methyl Acetate	4.854	43	1324456	47.679	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	1898626	51.736	ug/l	97
20) Methylene Chloride	5.095	84	595972	48.713	ug/l #	85
21) trans-1,2-Dichloroethene	5.597	96	517321	50.463	ug/l	84
22) Diisopropyl ether	6.498	45	2265248	54.493	ug/l #	93
23) Vinyl Acetate	6.434	43	9184670	271.581	ug/l	95
24) 1,1-Dichloroethane	6.388	63	1138682	52.880	ug/l	98
25) 2-Butanone	7.335	43	2754998	220.327	ug/l	91
26) 2,2-Dichloropropane	7.327	77	854883	51.061	ug/l	95
27) cis-1,2-Dichloroethene	7.327	96	632588	51.074	ug/l	86
28) Bromochloromethane	7.657	49	573520	51.218	ug/l #	77
29) Tetrahydrofuran	7.686	42	1788213	235.514	ug/l	87
30) Chloroform	7.818	83	1132173	52.060	ug/l	100
31) Cyclohexane	8.096	56	1048293	49.237	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	989447	53.413	ug/l	95
36) 1,1-Dichloropropene	8.223	75	813141	51.900	ug/l	96
37) Ethyl Acetate	7.413	43	1097007	47.043	ug/l	95
38) Carbon Tetrachloride	8.206	117	857824	55.834	ug/l	100
39) Methylcyclohexane	9.459	83	953783	51.179	ug/l	90
40) Benzene	8.461	78	2469872	51.574	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	557605	50.938	ug/l	89
42) 1,2-Dichloroethane	8.531	62	990799	51.252	ug/l	97
43) Isopropyl Acetate	8.560	43	1764690	51.138	ug/l #	93
44) Trichloroethene	9.215	130	577527	50.526	ug/l	89
45) 1,2-Dichloropropane	9.488	63	686388	53.373	ug/l	97
46) Dibromomethane	9.577	93	439634	52.126	ug/l	92
47) Bromodichloromethane	9.762	83	923739	57.847	ug/l	100
48) Methyl methacrylate	9.558	41	827718	51.397	ug/l	88
49) 1,4-Dioxane	9.569	88	237983	823.582	ug/l #	84
51) 4-Methyl-2-Pentanone	10.331	43	5683662	253.886	ug/l	94
52) Toluene	10.505	92	1528781	52.288	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	964324	50.190	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	1026398	50.876	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	609091	51.632	ug/l	98
56) Ethyl methacrylate	10.760	69	1058168	47.652	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	1076405	51.821	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1242431	209.883	ug/l	91
59) 2-Hexanone	11.084	43	3958164	233.730	ug/l	92
60) Dibromochloromethane	11.237	129	673281	53.112	ug/l	100
61) 1,2-Dibromoethane	11.344	107	632026	51.727	ug/l	100
64) Tetrachloroethene	10.977	164	508354	48.317	ug/l	96
65) Chlorobenzene	11.771	112	1614544	51.291	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.841	131	619627	55.926	ug/l	99
67) Ethyl Benzene	11.843	91	3020712	52.828	ug/l	96
68) m/p-Xylenes	11.953	106	2194181	105.390	ug/l	93
69) o-Xylene	12.280	106	1102487	52.572	ug/l	93
70) Styrene	12.294	104	1801421	54.172	ug/l	96
71) Bromoform	12.457	173	505207	53.132	ug/l #	100
73) Isopropylbenzene	12.578	105	2899947	51.600	ug/l	98
74) N-amyl acetate	12.388	43	1269130	51.063	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	950955	48.932	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	812946m	44.878	ug/l	
77) Bromobenzene	12.860	156	659869	49.987	ug/l	79
78) n-propylbenzene	12.919	91	3301846	52.797	ug/l	96
79) 2-Chlorotoluene	13.007	91	2027017	51.296	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2361855	52.213	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	276942	50.034	ug/l	96
82) 4-Chlorotoluene	13.104	91	1935209	52.074	ug/l	92
83) tert-Butylbenzene	13.324	119	2060598	51.446	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	2321108	53.880	ug/l	98
85) sec-Butylbenzene	13.501	105	2856222	52.572	ug/l	97
86) p-Isopropyltoluene	13.616	119	2281861	53.732	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1107649	51.075	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1062990	49.878	ug/l	97
89) n-Butylbenzene	13.940	91	1844963	53.556	ug/l	98
90) Hexachloroethane	14.209	117	463847	62.212	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	1063842	50.347	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	179873	51.220	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	481837	46.695	ug/l	97
94) Hexachlorobutadiene	15.370	225	287393	51.320	ug/l	98
95) Naphthalene	15.504	128	1315968	43.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	471452	46.839	ug/l	99

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

