

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121621\
 Data File : VN070127.D
 Acq On : 16 Dec 2021 10:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/17/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 16 15:44:39 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	989156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1585683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1495175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	659136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	764460	50.054	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.100%			
35) Dibromofluoromethane	8.021	113	529879	53.349	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.700%			
50) Toluene-d8	10.440	98	2081924	52.202	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.731	95	789147	54.619	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	541784	46.961	ug/l	99
3) Chloromethane	2.301	50	666255	46.096	ug/l	98
4) Vinyl Chloride	2.445	62	620355	46.678	ug/l	98
5) Bromomethane	2.834	94	331364	45.893	ug/l	98
6) Chloroethane	3.006	64	374872	46.030	ug/l	97
7) Trichlorofluoromethane	3.368	101	789609	45.268	ug/l	100
8) Diethyl Ether	3.819	74	347174	51.678	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.202	101	518568	53.036	ug/l	96
10) Methyl Iodide	4.414	142	652341	48.837	ug/l	99
11) Tert butyl alcohol	5.382	59	649617	225.023	ug/l	99
12) 1,1-Dichloroethene	4.173	96	463254	49.167	ug/l	88
13) Acrolein	4.038	56	497314	202.288	ug/l	100
14) Allyl chloride	4.835	41	1100024	51.811	ug/l #	90
15) Acrylonitrile	5.554	53	1962144	252.232	ug/l	99
16) Acetone	4.285	43	2441808	265.785	ug/l	97
17) Carbon Disulfide	4.521	76	1064273	43.722	ug/l	100
18) Methyl Acetate	4.854	43	1360125	49.047	ug/l	91
19) Methyl tert-butyl Ether	5.615	73	1891932	51.642	ug/l	96
20) Methylene Chloride	5.090	84	589969	48.306	ug/l #	85
21) trans-1,2-Dichloroethene	5.594	96	498308	48.692	ug/l	84
22) Diisopropyl ether	6.495	45	2275017	54.822	ug/l #	94
23) Vinyl Acetate	6.431	43	8952268	265.165	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1123511	52.265	ug/l	98
25) 2-Butanone	7.337	43	3165548	253.595	ug/l	90
26) 2,2-Dichloropropane	7.324	77	877823	52.521	ug/l	95
27) cis-1,2-Dichloroethene	7.324	96	615937	49.815	ug/l	84
28) Bromochloromethane	7.656	49	539787	48.288	ug/l #	76
29) Tetrahydrofuran	7.686	42	1878075	247.774	ug/l	87
30) Chloroform	7.817	83	1124176	51.781	ug/l	99
31) Cyclohexane	8.094	56	1030099	48.466	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	925273	50.034	ug/l	96
36) 1,1-Dichloropropene	8.220	75	798406	52.891	ug/l	96
37) Ethyl Acetate	7.412	43	1139035	50.697	ug/l	95
38) Carbon Tetrachloride	8.206	117	746226	50.411	ug/l	98
39) Methylcyclohexane	9.459	83	967773	53.899	ug/l	88
40) Benzene	8.458	78	2450801	53.116	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	574564	54.477	ug/l #	88
42) 1,2-Dichloroethane	8.528	62	973153	52.248	ug/l	97
43) Isopropyl Acetate	8.560	43	1746342	52.525	ug/l #	93
44) Trichloroethene	9.215	130	569838	51.744	ug/l	89
45) 1,2-Dichloropropane	9.491	63	683465	55.161	ug/l	99
46) Dibromomethane	9.577	93	422798	52.030	ug/l	93
47) Bromodichloromethane	9.762	83	852690	55.422	ug/l	99
48) Methyl methacrylate	9.561	41	822037	52.980	ug/l	86
49) 1,4-Dioxane	9.571	88	284332	1021.290	ug/l #	82
51) 4-Methyl-2-Pentanone	10.330	43	5891128	273.131	ug/l	95
52) Toluene	10.505	92	1510071	53.607	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	910064	49.219	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	989287	50.895	ug/l #	90
55) 1,1,2-Trichloroethane	10.899	97	612812	53.917	ug/l	98
56) Ethyl methacrylate	10.762	69	1033645	48.281	ug/l #	87
57) 1,3-Dichloropropane	11.044	76	1089569	54.444	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1222844	214.010	ug/l	91
59) 2-Hexanone	11.087	43	4405662	270.018	ug/l	93
60) Dibromochloromethane	11.240	129	596743	49.049	ug/l	100
61) 1,2-Dibromoethane	11.344	107	618108	52.506	ug/l	99
64) Tetrachloroethene	10.977	164	515901	50.886	ug/l	95
65) Chlorobenzene	11.771	112	1601431	52.796	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	572929	53.664	ug/l	100
67) Ethyl Benzene	11.843	91	3021467	54.837	ug/l	96
68) m/p-Xylenes	11.953	106	2218468	110.582	ug/l	92
69) o-Xylene	12.280	106	1101798	54.524	ug/l	91
70) Styrene	12.294	104	1819966	56.797	ug/l	95
71) Bromoform	12.460	173	436632	47.936	ug/l #	100
73) Isopropylbenzene	12.578	105	2943076	50.185	ug/l	98
74) N-amyl acetate	12.387	43	1279553	49.337	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	980222	48.336	ug/l	100
76) 1,2,3-Trichloropropane	12.881	75	960812m	50.830	ug/l	
77) Bromobenzene	12.859	156	675015	49.003	ug/l	78
78) n-propylbenzene	12.921	91	3424323	52.473	ug/l	96
79) 2-Chlorotoluene	13.007	91	2084768	50.558	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2421083	51.292	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.626	75	269314	46.904	ug/l	94
82) 4-Chlorotoluene	13.104	91	2024240	52.200	ug/l	92
83) tert-Butylbenzene	13.323	119	2136241	51.111	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	2374708	52.826	ug/l	97
85) sec-Butylbenzene	13.500	105	2999821	52.914	ug/l	97
86) p-Isopropyltoluene	13.616	119	2391765	53.973	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1168606	51.640	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	1128883	50.762	ug/l	97
89) n-Butylbenzene	13.943	91	1998355	55.591	ug/l	97
90) Hexachloroethane	14.211	117	383516	49.294	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	1121396	50.858	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	173156	47.252	ug/l	79
93) 1,2,4-Trichlorobenzene	15.262	180	533284	49.352	ug/l	98
94) Hexachlorobutadiene	15.370	225	320310	54.814	ug/l	99
95) Naphthalene	15.507	128	1369871	43.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	518172	49.206	ug/l	98

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

