

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070086.D
 Acq On : 14 Dec 2021 21:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 15 05:24:17 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	1038166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1766141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1665376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	741063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	737344	46.000	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.000%		
35) Dibromofluoromethane	8.021	113	498788	45.087	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.180%		
50) Toluene-d8	10.440	98	1967535	44.293	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	88.580%		
62) 4-Bromofluorobenzene	12.731	95	752843	46.782	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	529037	43.691	ug/l	98
3) Chloromethane	2.301	50	678321	44.715	ug/l	99
4) Vinyl Chloride	2.446	62	628204	45.037	ug/l	98
5) Bromomethane	2.832	94	333287	43.980	ug/l	99
6) Chloroethane	3.006	64	374585	43.823	ug/l	97
7) Trichlorofluoromethane	3.368	101	789495	43.125	ug/l	99
8) Diethyl Ether	3.821	74	346841	49.191	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.202	101	493637	48.103	ug/l	96
10) Methyl Iodide	4.414	142	672513	47.970	ug/l	99
11) Tert butyl alcohol	5.382	59	690993	228.056	ug/l	99
12) 1,1-Dichloroethene	4.175	96	465461	47.069	ug/l	89
13) Acrolein	4.036	56	574379	222.606	ug/l	97
14) Allyl chloride	4.835	41	1086629	48.764	ug/l #	90
15) Acrylonitrile	5.554	53	2016134	246.937	ug/l	99
16) Acetone	4.285	43	1902847	197.343	ug/l	98
17) Carbon Disulfide	4.524	76	1026011	40.160	ug/l	98
18) Methyl Acetate	4.854	43	1427635	49.051	ug/l	91
19) Methyl tert-butyl Ether	5.616	73	1927746	50.135	ug/l	95
20) Methylene Chloride	5.093	84	597932	46.646	ug/l #	86
21) trans-1,2-Dichloroethene	5.594	96	503696	46.895	ug/l #	84
22) Diisopropyl ether	6.498	45	2301239	52.836	ug/l #	93
23) Vinyl Acetate	6.434	43	9194780	259.491	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1138039	50.441	ug/l	98
25) 2-Butanone	7.337	43	3000884	229.055	ug/l	91
26) 2,2-Dichloropropane	7.324	77	748256	42.655	ug/l	97
27) cis-1,2-Dichloroethene	7.324	96	624088	48.092	ug/l	86
28) Bromochloromethane	7.657	49	527000	44.919	ug/l #	76
29) Tetrahydrofuran	7.683	42	1956137	245.890	ug/l	87
30) Chloroform	7.818	83	1120087	49.157	ug/l	99
31) Cyclohexane	8.094	56	1035054	46.400	ug/l	86
32) 1,1,1-Trichloroethane	8.013	97	922319	47.520	ug/l	96
36) 1,1-Dichloropropene	8.220	75	794789	47.272	ug/l	96
37) Ethyl Acetate	7.413	43	1149848	45.949	ug/l	96
38) Carbon Tetrachloride	8.206	117	721150	43.740	ug/l	99
39) Methylcyclohexane	9.459	83	934023	46.704	ug/l	89
40) Benzene	8.459	78	2449533	47.664	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	592607	50.447	ug/l #	88
42) 1,2-Dichloroethane	8.528	62	989313	47.688	ug/l	96
43) Isopropyl Acetate	8.560	43	1818848	49.116	ug/l #	93
44) Trichloroethene	9.215	130	561438	45.772	ug/l	89
45) 1,2-Dichloropropane	9.488	63	681975	49.417	ug/l	99
46) Dibromomethane	9.577	93	422509	46.682	ug/l	93
47) Bromodichloromethane	9.762	83	840067	49.023	ug/l	100
48) Methyl methacrylate	9.561	41	845650	48.933	ug/l	87
49) 1,4-Dioxane	9.569	88	284949	918.928	ug/l #	81
51) 4-Methyl-2-Pentanone	10.331	43	6087774	253.409	ug/l	95
52) Toluene	10.505	92	1514438	48.269	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	885200	43.337	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	974764	45.255	ug/l	90
55) 1,1,2-Trichloroethane	10.899	97	615379	48.611	ug/l	99
56) Ethyl methacrylate	10.760	69	1073461	45.172	ug/l #	88
57) 1,3-Dichloropropane	11.044	76	1089707	48.887	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1386574	217.539	ug/l	90
59) 2-Hexanone	11.084	43	4399632	242.097	ug/l	93
60) Dibromochloromethane	11.237	129	580771	43.159	ug/l	100
61) 1,2-Dibromoethane	11.344	107	624164	47.603	ug/l	99
64) Tetrachloroethene	10.977	164	481729	42.660	ug/l	95
65) Chlorobenzene	11.768	112	1584685	46.904	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	556747	46.819	ug/l	99
67) Ethyl Benzene	11.843	91	3015054	49.129	ug/l	97
68) m/p-Xylenes	11.953	106	2193623	98.168	ug/l	92
69) o-Xylene	12.280	106	1101308	48.930	ug/l	90
70) Styrene	12.294	104	1815191	50.859	ug/l	96
71) Bromoform	12.457	173	413265	41.144	ug/l #	98
73) Isopropylbenzene	12.578	105	2912880	44.179	ug/l	98
74) N-amyl acetate	12.388	43	1379449	47.309	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	1007477	44.188	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	913612m	42.990	ug/l	
77) Bromobenzene	12.860	156	665970	43.002	ug/l	76
78) n-propylbenzene	12.919	91	3340524	45.530	ug/l	96
79) 2-Chlorotoluene	13.007	91	2062629	44.491	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2386893	44.977	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	251505	39.648	ug/l	91
82) 4-Chlorotoluene	13.104	91	1986808	45.570	ug/l	92
83) tert-Butylbenzene	13.324	119	2081179	44.289	ug/l	92
84) 1,2,4-Trimethylbenzene	13.367	105	2324719	45.997	ug/l	97
85) sec-Butylbenzene	13.501	105	2924677	45.885	ug/l	97
86) p-Isopropyltoluene	13.616	119	2306825	46.301	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1146050	45.045	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	1109050	44.356	ug/l	97
89) n-Butylbenzene	13.940	91	1900040	47.013	ug/l	97
90) Hexachloroethane	14.209	117	362623	41.456	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	1105104	44.579	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	178400	43.301	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	517942	43.025	ug/l	98
94) Hexachlorobutadiene	15.370	225	296142	45.076	ug/l	99
95) Naphthalene	15.504	128	1482844	41.666	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	510868	43.449	ug/l	98

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

