

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031022\
 Data File : VN071225.D
 Acq On : 10 Mar 2022 11:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/11/2022
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 11 02:10:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	632886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1018752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	950558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	392940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	412962	47.610	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.220%		
35) Dibromofluoromethane	8.016	113	308240	47.948	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.900%		
50) Toluene-d8	10.439	98	1256412	48.540	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.080%		
62) 4-Bromofluorobenzene	12.727	95	446738	50.969	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	324615	46.800	ug/l	98
3) Chloromethane	2.299	50	435850	46.803	ug/l	98
4) Vinyl Chloride	2.446	62	401053	47.180	ug/l	98
5) Bromomethane	2.828	94	211951	56.631	ug/l	98
6) Chloroethane	3.004	64	252209	48.993	ug/l	97
7) Trichlorofluoromethane	3.369	101	530826	47.445	ug/l	97
8) Diethyl Ether	3.822	74	227074	47.428	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.210	101	314845	48.610	ug/l	95
10) Methyl Iodide	4.422	142	430583	47.068	ug/l	100
11) Tert butyl alcohol	5.363	59	366672	215.188	ug/l	98
12) 1,1-Dichloroethene	4.181	96	302680	47.705	ug/l	95
13) Acrolein	4.040	56	352575	195.489	ug/l	99
14) Allyl chloride	4.840	41	648039	46.959	ug/l	87
15) Acrylonitrile	5.545	53	1134264	224.181	ug/l	99
16) Acetone	4.281	43	1031861	244.490	ug/l	97
17) Carbon Disulfide	4.534	76	815831	45.165	ug/l	100
18) Methyl Acetate	4.845	43	535670	47.285	ug/l	95
19) Methyl tert-butyl Ether	5.610	73	1155858	48.520	ug/l	98
20) Methylene Chloride	5.093	84	367756	47.694	ug/l	91
21) trans-1,2-Dichloroethene	5.598	96	330505	47.622	ug/l	90
22) Diisopropyl ether	6.492	45	1323641	48.686	ug/l	91
23) Vinyl Acetate	6.428	43	5734478	249.149	ug/l	98
24) 1,1-Dichloroethane	6.381	63	691491	48.133	ug/l	99
25) 2-Butanone	7.328	43	1585641	233.228	ug/l	94
26) 2,2-Dichloropropane	7.322	77	554922	50.069	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	392246	47.621	ug/l	89
28) Bromochloromethane	7.651	49	300068	46.904	ug/l	83
29) Tetrahydrofuran	7.681	42	1056547	224.322	ug/l	91
30) Chloroform	7.816	83	658256	48.041	ug/l	99
31) Cyclohexane	8.092	56	651036	47.001	ug/l	90
32) 1,1,1-Trichloroethane	8.010	97	558600	47.860	ug/l	97
36) 1,1-Dichloropropene	8.216	75	504745	49.004	ug/l	96
37) Ethyl Acetate	7.404	43	614538	43.352	ug/l	99
38) Carbon Tetrachloride	8.204	117	487017	48.883	ug/l	99
39) Methylcyclohexane	9.457	83	626074	51.668	ug/l	96
40) Benzene	8.457	78	1506790	48.554	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	348457	50.230	ug/l #	83
42) 1,2-Dichloroethane	8.528	62	536731	49.701	ug/l	99
43) Isopropyl Acetate	8.557	43	1036393	48.891	ug/l	95
44) Trichloroethene	9.210	130	360920	49.290	ug/l	99
45) 1,2-Dichloropropane	9.486	63	403540	48.440	ug/l	98
46) Dibromomethane	9.575	93	253912	49.520	ug/l	96
47) Bromodichloromethane	9.757	83	517868	49.977	ug/l	98
48) Methyl methacrylate	9.557	41	477140	48.570	ug/l #	83
49) 1,4-Dioxane	9.563	88	156726	917.833	ug/l #	86
51) 4-Methyl-2-Pentanone	10.327	43	3132145	238.082	ug/l	99
52) Toluene	10.498	92	954210	49.933	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	581259	50.887	ug/l	96
54) cis-1,3-Dichloropropene	10.186	75	636436	50.993	ug/l	97
55) 1,1,2-Trichloroethane	10.892	97	362874	47.388	ug/l	99
56) Ethyl methacrylate	10.757	69	628017	50.220	ug/l	91
57) 1,3-Dichloropropane	11.039	76	662367	48.190	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.033	63	569392	220.431	ug/l	95
59) 2-Hexanone	11.080	43	2178572	242.703	ug/l	100
60) Dibromochloromethane	11.233	129	385468	50.663	ug/l	100
61) 1,2-Dibromoethane	11.339	107	376635	48.125	ug/l	98
64) Tetrachloroethene	10.975	164	312485	47.135	ug/l	98
65) Chlorobenzene	11.763	112	993650	48.675	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.833	131	362792	48.468	ug/l	100
67) Ethyl Benzene	11.839	91	1838716	50.942	ug/l	98
68) m/p-Xylenes	11.945	106	1392562	105.463	ug/l	98
69) o-Xylene	12.274	106	689891	52.123	ug/l	98
70) Styrene	12.286	104	1106634	54.013	ug/l	97
71) Bromoform	12.451	173	290535	51.111	ug/l #	100
73) Isopropylbenzene	12.574	105	1783022	47.072	ug/l	99
74) N-amyl acetate	12.380	43	653537	45.887	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	556052	49.367	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	506846m	53.413	ug/l	
77) Bromobenzene	12.857	156	409353	46.345	ug/l	84
78) n-propylbenzene	12.916	91	2021646	49.737	ug/l	98
79) 2-Chlorotoluene	13.004	91	1222624	46.858	ug/l	95
80) 1,3,5-Trimethylbenzene	13.051	105	1451724	49.261	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	174318	47.956	ug/l	90
82) 4-Chlorotoluene	13.098	91	1163072	50.044	ug/l	94
83) tert-Butylbenzene	13.321	119	1299930	49.428	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1416999	50.199	ug/l	99
85) sec-Butylbenzene	13.498	105	1781009	50.949	ug/l	99
86) p-Isopropyltoluene	13.610	119	1442390	52.467	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	679133	47.320	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	651533	46.442	ug/l	97
89) n-Butylbenzene	13.939	91	1106053	51.440	ug/l	96
90) Hexachloroethane	14.204	117	264050	48.299	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	647888	46.956	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	93022	42.207	ug/l	87
93) 1,2,4-Trichlorobenzene	15.257	180	288048	45.045	ug/l	99
94) Hexachlorobutadiene	15.362	225	187783	48.479	ug/l	100
95) Naphthalene	15.504	128	669020	38.444	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	265597	43.433	ug/l	99

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

