

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071284.D
 Acq On : 15 Mar 2022 11:37
 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 03/16/2022
 Supervised By : Mahesh Dadoda 03/16/2022

Quant Time: Mar 15 18:56:23 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	8.080	168	605531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	966209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	885422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	389187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.427	65	408741	49.252	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.500%		
35) Dibromofluoromethane	8.016	113	312307	51.222	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.440%		
50) Toluene-d8	10.439	98	1224596	49.884	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.760%		
62) 4-Bromofluorobenzene	12.727	95	432071	51.976	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	281021	42.345	ug/l	100
3) Chloromethane	2.298	50	389312	43.692	ug/l	98
4) Vinyl Chloride	2.440	62	357503	43.957	ug/l	99
5) Bromomethane	2.828	94	192180	53.313	ug/l	100
6) Chloroethane	3.004	64	221004	44.871	ug/l	99
7) Trichlorofluoromethane	3.369	101	477728	44.628	ug/l	100
8) Diethyl Ether	3.822	74	206757	45.135	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.210	101	284537	45.916	ug/l	95
10) Methyl Iodide	4.422	142	359417	41.064	ug/l	100
11) Tert butyl alcohol	5.357	59	349216	214.202	ug/l	98
12) 1,1-Dichloroethene	4.181	96	269979	44.473	ug/l	93
13) Acrolein	4.034	56	336032	194.733	ug/l	99
14) Allyl chloride	4.839	41	585278	44.327	ug/l	86
15) Acrylonitrile	5.545	53	1059091	218.779	ug/l	99
16) Acetone	4.281	43	867375	214.801	ug/l	96
17) Carbon Disulfide	4.528	76	698699	40.428	ug/l	98
18) Methyl Acetate	4.845	43	500177	46.158	ug/l	96
19) Methyl tert-butyl Ether	5.604	73	1060850	46.544	ug/l	98
20) Methylene Chloride	5.092	84	332627	45.108	ug/l	92
21) trans-1,2-Dichloroethene	5.598	96	291803	43.945	ug/l	91
22) Diisopropyl ether	6.486	45	1200553	46.153	ug/l	94
23) Vinyl Acetate	6.428	43	5185870	235.492	ug/l	98
24) 1,1-Dichloroethane	6.381	63	620188	45.120	ug/l	100
25) 2-Butanone	7.328	43	1437557	220.999	ug/l	96
26) 2,2-Dichloropropane	7.322	77	499697	47.123	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	355983	45.171	ug/l	90
28) Bromochloromethane	7.651	49	296763	48.483	ug/l	83
29) Tetrahydrofuran	7.675	42	981483	217.798	ug/l	92
30) Chloroform	7.816	83	601499	45.882	ug/l	97
31) Cyclohexane	8.092	56	574770	43.370	ug/l	90
32) 1,1,1-Trichloroethane	8.010	97	520240	46.587	ug/l	98
36) 1,1-Dichloropropene	8.216	75	449618	46.025	ug/l	96
37) Ethyl Acetate	7.404	43	567792	42.233	ug/l	99
38) Carbon Tetrachloride	8.204	117	443326	46.918	ug/l	97
39) Methylcyclohexane	9.457	83	550323	47.887	ug/l	93
40) Benzene	8.457	78	1365749	46.402	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	293402	44.594	ug/l	91
42) 1,2-Dichloroethane	8.527	62	493873	48.219	ug/l	98
43) Isopropyl Acetate	8.557	43	940764	46.793	ug/l	96
44) Trichloroethene	9.210	130	327123	47.104	ug/l	95
45) 1,2-Dichloropropane	9.486	63	370586	46.903	ug/l	99
46) Dibromomethane	9.574	93	229179	47.127	ug/l	96
47) Bromodichloromethane	9.757	83	478392	48.678	ug/l	99
48) Methyl methacrylate	9.557	41	438361	47.049	ug/l #	83
49) 1,4-Dioxane	9.563	88	153964	950.690	ug/l	87
51) 4-Methyl-2-Pentanone	10.327	43	2887102	231.390	ug/l	99
52) Toluene	10.498	92	856374	47.250	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	528717	48.804	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	574711	48.551	ug/l	95
55) 1,1,2-Trichloroethane	10.892	97	338033	46.544	ug/l	98
56) Ethyl methacrylate	10.757	69	574442	48.434	ug/l	92
57) 1,3-Dichloropropane	11.039	76	604210	46.349	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	873697	339.415	ug/l	95
59) 2-Hexanone	11.080	43	2109551	247.794	ug/l	100
60) Dibromochloromethane	11.233	129	354269	49.094	ug/l	99
61) 1,2-Dibromoethane	11.339	107	343385	46.262	ug/l	99
64) Tetrachloroethene	10.974	164	282878	45.808	ug/l	97
65) Chlorobenzene	11.768	112	896904	47.168	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	336318	48.236	ug/l	99
67) Ethyl Benzene	11.839	91	1643194	48.874	ug/l	97
68) m/p-Xylenes	11.945	106	1249306	101.574	ug/l	98
69) o-Xylene	12.274	106	620845	50.357	ug/l	98
70) Styrene	12.286	104	1010887	52.969	ug/l	97
71) Bromoform	12.451	173	273301	51.616	ug/l #	98
73) Isopropylbenzene	12.574	105	1606360	42.817	ug/l	99
74) N-amyl acetate	12.380	43	658102	46.653	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	536388	48.010	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	482717m	51.245	ug/l	
77) Bromobenzene	12.857	156	373580	42.703	ug/l	81
78) n-propylbenzene	12.915	91	1846034	45.855	ug/l	98
79) 2-Chlorotoluene	13.004	91	1118688	43.288	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	1319268	45.199	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	174291	48.411	ug/l	89
82) 4-Chlorotoluene	13.098	91	1080304	46.931	ug/l	94
83) tert-Butylbenzene	13.315	119	1182080	45.380	ug/l	99
84) 1,2,4-Trimethylbenzene	13.362	105	1293626	46.271	ug/l	100
85) sec-Butylbenzene	13.498	105	1621352	46.829	ug/l	99
86) p-Isopropyltoluene	13.609	119	1328454	48.789	ug/l	98
87) 1,3-Dichlorobenzene	13.609	146	648317	45.609	ug/l	97
88) 1,4-Dichlorobenzene	13.686	146	633473	45.590	ug/l	98
89) n-Butylbenzene	13.939	91	1032436	48.479	ug/l	96
90) Hexachloroethane	14.204	117	237631	43.886	ug/l	90
91) 1,2-Dichlorobenzene	13.980	146	619534	45.334	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	95369	43.689	ug/l	89
93) 1,2,4-Trichlorobenzene	15.256	180	287714	45.402	ug/l	99
94) Hexachlorobutadiene	15.368	225	175466	45.736	ug/l	99
95) Naphthalene	15.498	128	823649	46.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	282935	46.508	ug/l	99

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

