

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060822\
 Data File : VN072719.D
 Acq On : 09 Jun 2022 00:46
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2022
 Supervised By : Mahesh Dadoda 06/09/2022

Quant Time: Jun 09 05:21:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	174298	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	324674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	322210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	155145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	237581	50.786	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.580%			
35) Dibromofluoromethane	8.022	113	160364	49.917	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.840%			
50) Toluene-d8	10.439	98	619772	48.353	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.700%			
62) 4-Bromofluorobenzene	12.727	95	214963	48.874	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	132656	46.918	ug/l	97
3) Chloromethane	2.293	50	140535	45.742	ug/l	99
4) Vinyl Chloride	2.434	62	142315	45.965	ug/l	100
5) Bromomethane	2.822	94	73036	51.493	ug/l	95
6) Chloroethane	2.999	64	98368	50.058	ug/l	96
7) Trichlorofluoromethane	3.357	101	230668	46.808	ug/l	100
8) Diethyl Ether	3.822	74	94752	47.291	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.199	101	122829	45.518	ug/l	90
10) Methyl Iodide	4.416	142	124972	49.669	ug/l	# 86
11) Tert butyl alcohol	5.369	59	262444	235.177	ug/l	100
12) 1,1-Dichloroethene	4.175	96	116180	46.195	ug/l	91
13) Acrolein	4.040	56	104524	226.788	ug/l	99
14) Allyl chloride	4.834	41	263611	45.400	ug/l	# 90
15) Acrylonitrile	5.551	53	567744	240.121	ug/l	98
16) Acetone	4.281	43	533490	237.996	ug/l	91
17) Carbon Disulfide	4.522	76	267479	46.102	ug/l	99
18) Methyl Acetate	4.846	43	270715	46.416	ug/l	92
19) Methyl tert-butyl Ether	5.610	73	552872	48.601	ug/l	98
20) Methylene Chloride	5.087	84	156763	48.989	ug/l	# 86
21) trans-1,2-Dichloroethene	5.587	96	128239	46.307	ug/l	90
22) Diisopropyl ether	6.492	45	571734	48.582	ug/l	97
23) Vinyl Acetate	6.428	43	2625656	243.694	ug/l	94
24) 1,1-Dichloroethane	6.387	63	296001	48.437	ug/l	98
25) 2-Butanone	7.328	43	855152	237.154	ug/l	90
26) 2,2-Dichloropropane	7.316	77	202441	36.638	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	166065	47.146	ug/l	89
28) Bromochloromethane	7.651	49	144539	50.078	ug/l	# 76
29) Tetrahydrofuran	7.681	42	532329	238.910	ug/l	90
30) Chloroform	7.816	83	309094	48.521	ug/l	100
31) Cyclohexane	8.092	56	241214	48.684	ug/l	88
32) 1,1,1-Trichloroethane	8.010	97	274037	48.680	ug/l	96
36) 1,1-Dichloropropene	8.216	75	210314	47.163	ug/l	94
37) Ethyl Acetate	7.410	43	327773	47.311	ug/l	94
38) Carbon Tetrachloride	8.204	117	232150	48.716	ug/l	98
39) Methylcyclohexane	9.457	83	235344	45.480	ug/l	94
40) Benzene	8.457	78	637276	47.093	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	107216m	45.910	ug/l	
42) 1,2-Dichloroethane	8.528	62	264595	47.160	ug/l	95
43) Isopropyl Acetate	8.557	43	510535	47.318	ug/l	94
44) Trichloroethene	9.216	130	149849	47.564	ug/l	85
45) 1,2-Dichloropropane	9.486	63	175312	47.943	ug/l	100
46) Dibromomethane	9.575	93	122403	47.884	ug/l #	82
47) Bromodichloromethane	9.757	83	258640	49.219	ug/l	96
48) Methyl methacrylate	9.557	41	225649	44.203	ug/l #	85
49) 1,4-Dioxane	9.569	88	88548	948.941	ug/l #	87
51) 4-Methyl-2-Pentanone	10.328	43	1682389	239.431	ug/l	91
52) Toluene	10.504	92	398418	47.156	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	267217	45.777	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	279238	46.296	ug/l #	84
55) 1,1,2-Trichloroethane	10.898	97	168725	46.276	ug/l	97
56) Ethyl methacrylate	10.757	69	303535	47.070	ug/l #	80
57) 1,3-Dichloropropane	11.039	76	304843	46.823	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	628116	244.403	ug/l	93
59) 2-Hexanone	11.080	43	1252447	242.399	ug/l	89
60) Dibromochloromethane	11.233	129	181243	47.893	ug/l	99
61) 1,2-Dibromoethane	11.339	107	176236	47.164	ug/l	98
64) Tetrachloroethene	10.975	164	127403	46.966	ug/l	90
65) Chlorobenzene	11.769	112	415780	48.425	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	167490	49.039	ug/l	98
67) Ethyl Benzene	11.839	91	789321	48.892	ug/l	95
68) m/p-Xylenes	11.951	106	558793	97.397	ug/l	89
69) o-Xylene	12.280	106	282460	48.977	ug/l	90
70) Styrene	12.292	104	460030	50.752	ug/l	95
71) Bromoform	12.457	173	119394	49.699	ug/l #	100
73) Isopropylbenzene	12.574	105	750323	45.087	ug/l	98
74) N-amyl acetate	12.386	43	379820	49.106	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.821	83	264751	45.830	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	222772m	44.497	ug/l	
77) Bromobenzene	12.857	156	150955	46.014	ug/l	70
78) n-propylbenzene	12.916	91	847579	46.647	ug/l	95
79) 2-Chlorotoluene	13.004	91	530707	46.559	ug/l	93
80) 1,3,5-Trimethylbenzene	13.057	105	613010	46.489	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.621	75	78777	41.152	ug/l #	85
82) 4-Chlorotoluene	13.104	91	491665	46.702	ug/l	94
83) tert-Butylbenzene	13.321	119	540770	46.693	ug/l	90
84) 1,2,4-Trimethylbenzene	13.363	105	600431	47.590	ug/l	93
85) sec-Butylbenzene	13.498	105	740971	47.416	ug/l	97
86) p-Isopropyltoluene	13.610	119	589804	47.980	ug/l	94
87) 1,3-Dichlorobenzene	13.616	146	260681	46.784	ug/l	96
88) 1,4-Dichlorobenzene	13.692	146	252124	46.186	ug/l	95
89) n-Butylbenzene	13.939	91	494798	47.775	ug/l	96
90) Hexachloroethane	14.210	117	123964	46.592	ug/l	73
91) 1,2-Dichlorobenzene	13.986	146	257196	47.093	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	61779	44.273	ug/l	73
93) 1,2,4-Trichlorobenzene	15.262	180	124978	47.569	ug/l	97
94) Hexachlorobutadiene	15.368	225	55425	47.093	ug/l	99
95) Naphthalene	15.504	128	514075	50.431	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	129214	49.389	ug/l	97

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

