

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076700.D
 Acq On : 16 Feb 2023 10:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 17 00:04:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/17/2023
 Supervised By : Mahesh Dadoda 02/18/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	321120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	583818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	557308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	288013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	242763	54.748	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.500%			
35) Dibromofluoromethane	8.172	113	192189	50.268	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.540%			
50) Toluene-d8	10.572	98	762364	53.393	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.780%			
62) 4-Bromofluorobenzene	12.848	95	269282	56.942	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	155229	45.525	ug/l	99
3) Chloromethane	2.372	50	195325	43.907	ug/l	99
4) Vinyl Chloride	2.525	62	202871	46.336	ug/l	98
5) Bromomethane	2.949	94	126912	47.839	ug/l	98
6) Chloroethane	3.125	64	146825	53.063	ug/l	98
7) Trichlorofluoromethane	3.507	101	266287	44.700	ug/l	99
8) Diethyl Ether	3.978	74	110450	48.116	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	161346	46.095	ug/l	98
10) Methyl Iodide	4.601	142	219878	50.867	ug/l	97
11) Tert butyl alcohol	5.531	59	142964	244.258	ug/l	97
12) 1,1-Dichloroethene	4.348	96	149400	45.074	ug/l	87
13) Acrolein	4.190	56	209486	238.401	ug/l	99
14) Allyl chloride	5.043	41	273443	47.612	ug/l	99
15) Acrylonitrile	5.731	53	527284	253.845	ug/l	99
16) Acetone	4.437	43	467954	236.257	ug/l	100
17) Carbon Disulfide	4.725	76	391440	44.729	ug/l	96
18) Methyl Acetate	5.037	43	321506	49.728	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	563370	50.414	ug/l	96
20) Methylene Chloride	5.290	84	190906	45.988	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	170591	45.722	ug/l	94
22) Diisopropyl ether	6.684	45	716872	53.219	ug/l	97
23) Vinyl Acetate	6.613	43	2366156	296.886	ug/l	98
24) 1,1-Dichloroethane	6.578	63	359896	48.750	ug/l	94
25) 2-Butanone	7.489	43	742844	254.252	ug/l	97
26) 2,2-Dichloropropane	7.495	77	261440	49.097	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	210115	47.480	ug/l	96
28) Bromochloromethane	7.819	49	209826	59.717	ug/l	93
29) Tetrahydrofuran	7.842	42	497523	260.635	ug/l	99
30) Chloroform	7.972	83	361451	49.003	ug/l	98
31) Cyclohexane	8.260	56	325552	46.804	ug/l	98
32) 1,1,1-Trichloroethane	8.178	97	299773	48.337	ug/l	96
36) 1,1-Dichloropropene	8.378	75	269120	48.718	ug/l	99
37) Ethyl Acetate	7.566	43	293328	50.469	ug/l	97
38) Carbon Tetrachloride	8.366	117	260788	46.798	ug/l	96
39) Methylcyclohexane	9.607	83	319419	50.870	ug/l	96
40) Benzene	8.613	78	829001	48.868	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	171557	50.952	ug/l	99
42) 1,2-Dichloroethane	8.678	62	285604	48.272	ug/l	99
43) Isopropyl Acetate	8.695	43	489858	51.796	ug/l	100
44) Trichloroethene	9.360	130	187364	46.738	ug/l	95
45) 1,2-Dichloropropane	9.630	63	219283	48.831	ug/l	95
46) Dibromomethane	9.713	93	142461	49.622	ug/l	96
47) Bromodichloromethane	9.889	83	287226	49.901	ug/l #	95
48) Methyl methacrylate	9.683	41	229349	51.105	ug/l	98
49) 1,4-Dioxane	9.701	88	84167	1084.190	ug/l	99
51) 4-Methyl-2-Pentanone	10.448	43	1591898	264.552	ug/l	99
52) Toluene	10.636	92	536074	52.341	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	298354	53.703	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	330030	51.501	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	211057	50.678	ug/l	93
56) Ethyl methacrylate	10.877	69	316749	54.033	ug/l	96
57) 1,3-Dichloropropane	11.166	76	365526	51.086	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	710747	264.739	ug/l	97
59) 2-Hexanone	11.201	43	1145219	263.954	ug/l	98
60) Dibromochloromethane	11.360	129	219705	50.055	ug/l	98
61) 1,2-Dibromoethane	11.472	107	206374	49.507	ug/l	99
64) Tetrachloroethene	11.107	164	160672	45.748	ug/l	97
65) Chlorobenzene	11.895	112	567378	48.039	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	212100	49.440	ug/l	98
67) Ethyl Benzene	11.966	91	1024634	50.921	ug/l	98
68) m/p-Xylenes	12.072	106	804144	103.679	ug/l	96
69) o-Xylene	12.401	106	393527	52.024	ug/l	100
70) Styrene	12.413	104	662338	54.147	ug/l	99
71) Bromoform	12.583	173	157689	50.111	ug/l #	100
73) Isopropylbenzene	12.701	105	1043675	49.439	ug/l	99
74) N-amyl acetate	12.495	43	458570	48.193	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	334486	43.773	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	282340m	48.489	ug/l	
77) Bromobenzene	12.983	156	241701	45.890	ug/l	99
78) n-propylbenzene	13.036	91	1236818	49.894	ug/l	100
79) 2-Chlorotoluene	13.130	91	725649	47.809	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	888398	50.922	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	97543	48.791	ug/l	98
82) 4-Chlorotoluene	13.130	91	725649	47.809	ug/l	97
83) tert-Butylbenzene	13.442	119	770006	48.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	876420	50.406	ug/l	100
85) sec-Butylbenzene	13.618	105	1138975	51.689	ug/l	99
86) p-Isopropyltoluene	13.730	119	938932	53.362	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	471291	47.337	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	469248	47.329	ug/l	99
89) n-Butylbenzene	14.060	91	822376	53.737	ug/l	99
90) Hexachloroethane	14.336	117	169441	45.991	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	474730	46.511	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	60932	41.158	ug/l	100
93) 1,2,4-Trichlorobenzene	15.395	180	252392	49.572	ug/l	100
94) Hexachlorobutadiene	15.507	225	116821	46.815	ug/l	99
95) Naphthalene	15.642	128	807456	52.262	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	247684	50.213	ug/l	98

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

