

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042523\
 Data File : VN077468.D
 Acq On : 25 Apr 2023 13:33
 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 04/26/2023
 Supervised By : Mahesh Dadoda 04/26/2023

Quant Time: Apr 26 04:16:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	552317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1089357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	996135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	420703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	425807	59.082	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.160%			
35) Dibromofluoromethane	8.172	113	357324	54.574	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.140%			
50) Toluene-d8	10.572	98	1373255	54.725	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.440%			
62) 4-Bromofluorobenzene	12.854	95	490840	59.785	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	285430	40.542	ug/l	99
3) Chloromethane	2.372	50	243404	43.964	ug/l	98
4) Vinyl Chloride	2.525	62	333449	45.211	ug/l	97
5) Bromomethane	2.943	94	291269	45.591	ug/l	100
6) Chloroethane	3.125	64	242565	43.290	ug/l	98
7) Trichlorofluoromethane	3.501	101	478557	44.146	ug/l	99
8) Diethyl Ether	3.972	74	197315	50.091	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.378	101	269370	42.727	ug/l	99
10) Methyl Iodide	4.601	142	371405	47.952	ug/l	95
11) Tert butyl alcohol	5.531	59	280989	242.861	ug/l	99
12) 1,1-Dichloroethene	4.348	96	263116	42.688	ug/l	99
13) Acrolein	4.190	56	252153	219.079	ug/l	98
14) Allyl chloride	5.031	41	321556	46.924	ug/l	99
15) Acrylonitrile	5.725	53	675308	257.289	ug/l	100
16) Acetone	4.437	43	487373	212.560	ug/l	97
17) Carbon Disulfide	4.719	76	660211	42.153	ug/l	100
18) Methyl Acetate	5.037	43	438755	49.552	ug/l	98
19) Methyl tert-butyl Ether	5.801	73	1068578	52.130	ug/l	97
20) Methylene Chloride	5.290	84	344432	47.368	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	308297	46.256	ug/l	98
22) Diisopropyl ether	6.684	45	788748	50.151	ug/l	97
23) Vinyl Acetate	6.613	43	2451031	249.542	ug/l	97
24) 1,1-Dichloroethane	6.578	63	543321	48.804	ug/l	99
25) 2-Butanone	7.489	43	807000	248.150	ug/l	97
26) 2,2-Dichloropropane	7.495	77	334369	30.975	ug/l	95
27) cis-1,2-Dichloroethene	7.489	96	379269	48.048	ug/l	96
28) Bromochloromethane	7.819	49	212735	50.039	ug/l	98
29) Tetrahydrofuran	7.842	42	521039	255.714	ug/l	99
30) Chloroform	7.972	83	629677	50.188	ug/l	94
31) Cyclohexane	8.260	56	418620	41.003	ug/l	92
32) 1,1,1-Trichloroethane	8.172	97	550459	47.722	ug/l	99
36) 1,1-Dichloropropene	8.378	75	417014	44.085	ug/l	99
37) Ethyl Acetate	7.566	43	328334	45.678	ug/l	99
38) Carbon Tetrachloride	8.366	117	465093	44.563	ug/l	100
39) Methylcyclohexane	9.601	83	522414	41.918	ug/l	98
40) Benzene	8.607	78	1337500	46.414	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	171678	45.857	ug/l	92
42) 1,2-Dichloroethane	8.672	62	489680	49.475	ug/l	100
43) Isopropyl Acetate	8.695	43	624777	50.243	ug/l	99
44) Trichloroethene	9.354	130	341252	46.251	ug/l	99
45) 1,2-Dichloropropane	9.625	63	312805	46.340	ug/l	95
46) Dibromomethane	9.713	93	262608	47.946	ug/l	98
47) Bromodichloromethane	9.889	83	519267	49.012	ug/l	97
48) Methyl methacrylate	9.683	41	266549	47.090	ug/l	97
49) 1,4-Dioxane	9.695	88	137641	969.431	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	1762731	241.676	ug/l	100
52) Toluene	10.630	92	904427	47.909	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	516173	48.115	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	545654	46.728	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	369073	48.618	ug/l	99
56) Ethyl methacrylate	10.877	69	535151	50.310	ug/l	99
57) 1,3-Dichloropropane	11.166	76	609110	50.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	937197	260.488	ug/l	98
59) 2-Hexanone	11.195	43	1286811	242.713	ug/l	100
60) Dibromochloromethane	11.360	129	394960	50.132	ug/l	98
61) 1,2-Dibromoethane	11.471	107	385296	49.714	ug/l	99
64) Tetrachloroethene	11.107	164	271933	45.604	ug/l	98
65) Chlorobenzene	11.895	112	972233	46.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	363073	47.342	ug/l	97
67) Ethyl Benzene	11.966	91	1716837	46.267	ug/l	99
68) m/p-Xylenes	12.071	106	1339948	92.911	ug/l	97
69) o-Xylene	12.401	106	677464	47.757	ug/l	99
70) Styrene	12.413	104	1097639	49.478	ug/l	99
71) Bromoform	12.577	173	253263	50.477	ug/l #	100
73) Isopropylbenzene	12.701	105	1727296	44.245	ug/l	100
74) N-amyl acetate	12.495	43	520454	45.030	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	534364	43.563	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	454538m	46.462	ug/l	
77) Bromobenzene	12.983	156	379668	44.623	ug/l	99
78) n-propylbenzene	13.036	91	1930148	44.715	ug/l	100
79) 2-Chlorotoluene	13.130	91	1187293	44.612	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1448945	49.978	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	145052	41.889	ug/l	97
82) 4-Chlorotoluene	13.224	91	1139849	45.834	ug/l	98
83) tert-Butylbenzene	13.442	119	1232822	43.787	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	1408630	52.025	ug/l	99
85) sec-Butylbenzene	13.618	105	1756262	45.446	ug/l	100
86) p-Isopropyltoluene	13.730	119	1393566	46.868	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	687859	45.459	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	686544	45.952	ug/l	100
89) n-Butylbenzene	14.060	91	1120318	48.687	ug/l	100
90) Hexachloroethane	14.336	117	281795	42.898	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	700824	46.698	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	103313	45.546	ug/l	99
93) 1,2,4-Trichlorobenzene	15.371	180	213434	45.804	ug/l	99
94) Hexachlorobutadiene	15.465	225	128035	42.218	ug/l	99
95) Naphthalene	15.589	128	860105	47.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	202434	46.255	ug/l	100

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

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