

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122222\
 Data File : VN075935.D
 Acq On : 22 Dec 2022 10:55
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/27/2022
 Supervised By : Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 03:57:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	313506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	493165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	446485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	228933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	178900	52.453	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.900%			
35) Dibromofluoromethane	8.171	113	165353	54.141	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.280%			
50) Toluene-d8	10.571	98	625341	54.763	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.520%			
62) 4-Bromofluorobenzene	12.853	95	217595	57.533	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	100900	45.328	ug/l	98
3) Chloromethane	2.371	50	116892	42.230	ug/l	99
4) Vinyl Chloride	2.530	62	144269	43.694	ug/l	100
5) Bromomethane	2.948	94	117167	41.755	ug/l	98
6) Chloroethane	3.124	64	108386	44.328	ug/l	98
7) Trichlorofluoromethane	3.506	101	234279	46.761	ug/l	99
8) Diethyl Ether	3.971	74	90328	49.362	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.383	101	140866	49.239	ug/l	99
10) Methyl Iodide	4.600	142	215488	46.412	ug/l	100
11) Tert butyl alcohol	5.530	59	106302	220.268	ug/l	100
12) 1,1-Dichloroethene	4.353	96	133969	48.215	ug/l	99
13) Acrolein	4.189	56	161748	273.382	ug/l	97
14) Allyl chloride	5.036	41	171877	52.916	ug/l	98
15) Acrylonitrile	5.730	53	312242	237.086	ug/l	99
16) Acetone	4.436	43	327286	278.371	ug/l	98
17) Carbon Disulfide	4.724	76	290405	43.167	ug/l	97
18) Methyl Acetate	5.042	43	160681	46.235	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	463053	50.607	ug/l	95
20) Methylene Chloride	5.283	84	154528	49.121	ug/l	95
21) trans-1,2-Dichloroethene	5.800	96	145506	47.817	ug/l	94
22) Diisopropyl ether	6.677	45	415093	52.607	ug/l	98
23) Vinyl Acetate	6.612	43	1350174	254.226	ug/l	99
24) 1,1-Dichloroethane	6.577	63	259628	49.337	ug/l	100
25) 2-Butanone	7.488	43	415876	252.625	ug/l	97
26) 2,2-Dichloropropane	7.494	77	231948	52.048	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	177788	48.852	ug/l	96
28) Bromochloromethane	7.824	49	113301	49.123	ug/l	100
29) Tetrahydrofuran	7.841	42	251994	244.265	ug/l	99
30) Chloroform	7.971	83	291103	49.132	ug/l	97
31) Cyclohexane	8.265	56	218512	44.734	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	263486	50.161	ug/l	99
36) 1,1-Dichloropropene	8.377	75	207617	51.174	ug/l	99
37) Ethyl Acetate	7.565	43	153686	47.160	ug/l	98
38) Carbon Tetrachloride	8.365	117	234158	51.568	ug/l	100
39) Methylcyclohexane	9.606	83	264103	53.958	ug/l	99
40) Benzene	8.612	78	627734	50.149	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	88903	52.484	ug/l	98
42) 1,2-Dichloroethane	8.677	62	212071	50.960	ug/l	99
43) Isopropyl Acetate	8.694	43	281047	52.281	ug/l	99
44) Trichloroethene	9.353	130	172553	48.932	ug/l	99
45) 1,2-Dichloropropane	9.624	63	154700	50.787	ug/l	100
46) Dibromomethane	9.712	93	113942	50.433	ug/l	99
47) Bromodichloromethane	9.888	83	231218	52.188	ug/l	98
48) Methyl methacrylate	9.682	41	127929	52.838	ug/l	98
49) 1,4-Dioxane	9.694	88	58511	983.006	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	849626	261.345	ug/l	99
52) Toluene	10.629	92	425851	52.237	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	240271	55.401	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	263083	55.249	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	166110	51.912	ug/l	96
56) Ethyl methacrylate	10.876	69	240998	56.702	ug/l	98
57) 1,3-Dichloropropane	11.165	76	269696	51.384	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	389513	287.847	ug/l	98
59) 2-Hexanone	11.200	43	641468	270.566	ug/l	100
60) Dibromochloromethane	11.359	129	189331	53.205	ug/l	99
61) 1,2-Dibromoethane	11.470	107	166632	51.459	ug/l	97
64) Tetrachloroethene	11.106	164	161100	51.276	ug/l	97
65) Chlorobenzene	11.894	112	460096	50.207	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	178665	52.636	ug/l	99
67) Ethyl Benzene	11.965	91	832164	53.804	ug/l	100
68) m/p-Xylenes	12.076	106	657562	107.416	ug/l	100
69) o-Xylene	12.400	106	329137	54.331	ug/l	98
70) Styrene	12.412	104	535456	55.590	ug/l	100
71) Bromoform	12.582	173	133898	54.212	ug/l #	99
73) Isopropylbenzene	12.700	105	856661	51.782	ug/l	99
74) N-amyl acetate	12.500	43	250520	51.618	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	235287	46.006	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	172657m	37.414	ug/l	
77) Bromobenzene	12.982	156	204992	48.961	ug/l	98
78) n-propylbenzene	13.041	91	985613	54.016	ug/l	99
79) 2-Chlorotoluene	13.129	91	570414	50.079	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	726605	52.477	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	69564	54.260	ug/l	98
82) 4-Chlorotoluene	13.129	91	570414	50.079	ug/l	99
83) tert-Butylbenzene	13.441	119	662325	54.254	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	734615	53.481	ug/l	99
85) sec-Butylbenzene	13.617	105	923999	54.837	ug/l	99
86) p-Isopropyltoluene	13.735	119	796003	56.774	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	394440	51.002	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	390919	49.479	ug/l	99
89) n-Butylbenzene	14.059	91	653815	57.562	ug/l	99
90) Hexachloroethane	14.335	117	138526	55.234	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	386238	50.702	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	41453	45.679	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	198712	52.689	ug/l	99
94) Hexachlorobutadiene	15.506	225	105533	51.288	ug/l	99
95) Naphthalene	15.647	128	550536	44.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	188855	53.577	ug/l	99

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

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