

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075932.D
 Acq On : 21 Dec 2022 20:16
 Operator : JC\MD
 Sample : N6164-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-04-147-166-122022MSD

Quant Time: Dec 22 03:06:58 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/22/2022
 Supervised By : Mahesh Dadoda 12/22/2022

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	307113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	495996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	445107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	176401	52.797	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.600%			
35) Dibromofluoromethane	8.171	113	161121	52.455	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.900%			
50) Toluene-d8	10.571	98	608920	53.021	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.040%			
62) 4-Bromofluorobenzene	12.853	95	213567	56.146	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	104375	47.865	ug/l	98
3) Chloromethane	2.377	50	119958	44.240	ug/l	99
4) Vinyl Chloride	2.524	62	152051	47.010	ug/l	99
5) Bromomethane	2.948	94	128760	46.841	ug/l	99
6) Chloroethane	3.124	64	112687	47.046	ug/l	99
7) Trichlorofluoromethane	3.506	101	237531	48.397	ug/l	100
8) Diethyl Ether	3.977	74	92649	51.684	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	144013	51.386	ug/l	98
10) Methyl Iodide	4.601	142	226371	49.771	ug/l	100
11) Tert butyl alcohol	5.536	59	118194	250.007	ug/l	99
12) 1,1-Dichloroethene	4.353	96	135125	49.643	ug/l	98
13) Acrolein	4.195	56	179231	309.237	ug/l	99
14) Allyl chloride	5.036	41	155955	49.013	ug/l	88
15) Acrylonitrile	5.730	53	337530	261.623	ug/l	100
16) Acetone	4.442	43	257257	223.363	ug/l	97
17) Carbon Disulfide	4.724	76	296801	45.036	ug/l	99
18) Methyl Acetate	5.042	43	168285	49.431	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	486500	54.276	ug/l	96
20) Methylene Chloride	5.289	84	159265	51.714	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	146497	49.145	ug/l	98
22) Diisopropyl ether	6.683	45	415587	53.766	ug/l	100
23) Vinyl Acetate	6.612	43	1303773	250.599	ug/l	98
24) 1,1-Dichloroethane	6.583	63	262699	50.960	ug/l	98
25) 2-Butanone	7.489	43	409994	254.236	ug/l	96
26) 2,2-Dichloropropane	7.500	77	210444	48.206	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	181910	51.025	ug/l	98
28) Bromochloromethane	7.818	49	107181	47.437	ug/l	96
29) Tetrahydrofuran	7.841	42	268934	266.112	ug/l	100
30) Chloroform	7.971	83	294897	50.809	ug/l	94
31) Cyclohexane	8.265	56	230557	48.183	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	267155	51.919	ug/l	99
36) 1,1-Dichloropropene	8.377	75	205996	50.485	ug/l	99
37) Ethyl Acetate	7.571	43	164134	50.079	ug/l	97
38) Carbon Tetrachloride	8.365	117	234459	51.339	ug/l	99
39) Methylcyclohexane	9.606	83	263435	53.515	ug/l	98
40) Benzene	8.612	78	639649	50.809	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	92570	54.337	ug/l	99
42) 1,2-Dichloroethane	8.677	62	212846	50.854	ug/l	100
43) Isopropyl Acetate	8.694	43	295491	54.655	ug/l	100
44) Trichloroethene	9.353	130	173802	49.005	ug/l	97
45) 1,2-Dichloropropane	9.624	63	155618	50.797	ug/l	97
46) Dibromomethane	9.712	93	115321	50.752	ug/l	99
47) Bromodichloromethane	9.894	83	230285	51.680	ug/l	99
48) Methyl methacrylate	9.683	41	140482	57.691	ug/l	98
49) 1,4-Dioxane	9.700	88	62367	1041.807	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	906633	277.289	ug/l	100
52) Toluene	10.635	92	1633791	199.264	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	236561	54.234	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	256146	53.485	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	170009	52.828	ug/l	98
56) Ethyl methacrylate	10.877	69	246509	57.668	ug/l	99
57) 1,3-Dichloropropane	11.165	76	274506	52.002	ug/l	99
59) 2-Hexanone	11.200	43	661356	277.363	ug/l	100
60) Dibromochloromethane	11.359	129	188844	52.765	ug/l	99
61) 1,2-Dibromoethane	11.471	107	169475	52.039	ug/l	98
64) Tetrachloroethene	11.106	164	149676	47.788	ug/l	99
65) Chlorobenzene	11.894	112	461952	50.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	179084	52.923	ug/l	100
67) Ethyl Benzene	11.965	91	835550	54.190	ug/l	99
68) m/p-Xylenes	12.076	106	661488	108.392	ug/l	100
69) o-Xylene	12.400	106	328505	54.394	ug/l	100
70) Styrene	12.412	104	541873	56.430	ug/l	100
71) Bromoform	12.582	173	136016	55.240	ug/l #	99
73) Isopropylbenzene	12.700	105	861733	52.834	ug/l	99
74) N-amyl acetate	12.494	43	257244	53.762	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	249643	49.512	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	209640m	46.079	ug/l	
77) Bromobenzene	12.982	156	206085	49.927	ug/l	99
78) n-propylbenzene	13.041	91	980916	54.528	ug/l	99
79) 2-Chlorotoluene	13.129	91	580798	51.721	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	734970	53.841	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	64451	50.992	ug/l	98
82) 4-Chlorotoluene	13.129	91	580798	51.721	ug/l	100
83) tert-Butylbenzene	13.441	119	644431	53.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	740697	54.696	ug/l	99
85) sec-Butylbenzene	13.618	105	927786	55.851	ug/l	100
86) p-Isopropyltoluene	13.735	119	788889	57.072	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	392910	51.531	ug/l	100
88) 1,4-Dichlorobenzene	13.818	146	391402	50.250	ug/l	99
89) n-Butylbenzene	14.059	91	638984	57.062	ug/l	100
90) Hexachloroethane	14.335	117	135162	54.665	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	382520	50.933	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	43840	49.001	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	195922	52.693	ug/l	99
94) Hexachlorobutadiene	15.506	225	101233	49.903	ug/l	99
95) Naphthalene	15.641	128	593752	48.410	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	189992	54.671	ug/l	99

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

