

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075911.D
 Acq On : 21 Dec 2022 11:44
 Operator : JC\MD
 Sample : VN1221WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2022
 Supervised By : Mahesh Dadoda 12/22/2022

Quant Time: Dec 21 14:15:18 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	343773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	546503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	483531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	231142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	187828	50.222	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.440%			
35) Dibromofluoromethane	8.171	113	173579	51.288	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	10.571	98	643763	50.874	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.853	95	216321	51.614	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	41513	17.007	ug/l	100
3) Chloromethane	2.371	50	46664	15.374	ug/l	99
4) Vinyl Chloride	2.530	62	59317	16.383	ug/l	97
5) Bromomethane	2.959	94	50694	16.475	ug/l	90
6) Chloroethane	3.130	64	44101	16.449	ug/l	100
7) Trichlorofluoromethane	3.512	101	97416	17.732	ug/l	96
8) Diethyl Ether	3.977	74	37197	18.537	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	57295	18.264	ug/l	98
10) Methyl Iodide	4.606	142	86929	17.075	ug/l	99
11) Tert butyl alcohol	5.536	59	49004	92.601	ug/l	99
12) 1,1-Dichloroethene	4.353	96	53401	17.527	ug/l	97
13) Acrolein	4.189	56	84753	130.635	ug/l	98
14) Allyl chloride	5.036	41	67480	18.946	ug/l	98
15) Acrylonitrile	5.730	53	130873	90.623	ug/l	99
16) Acetone	4.442	43	127875	99.187	ug/l	96
17) Carbon Disulfide	4.724	76	116920	15.849	ug/l	99
18) Methyl Acetate	5.036	43	69927	18.349	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	188173	18.755	ug/l	97
20) Methylene Chloride	5.294	84	63723	18.068	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	57722	17.299	ug/l	91
22) Diisopropyl ether	6.683	45	164971	19.067	ug/l	99
23) Vinyl Acetate	6.612	43	547151	93.953	ug/l	96
24) 1,1-Dichloroethane	6.577	63	105150	18.222	ug/l	98
25) 2-Butanone	7.488	43	172488	95.553	ug/l	95
26) 2,2-Dichloropropane	7.494	77	91792	18.784	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	71744	17.978	ug/l	98
28) Bromochloromethane	7.824	49	43343	17.137	ug/l	97
29) Tetrahydrofuran	7.847	42	107919	95.399	ug/l	99
30) Chloroform	7.971	83	117688	18.114	ug/l	92
31) Cyclohexane	8.259	56	93732	17.500	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	106329	18.460	ug/l	97
36) 1,1-Dichloropropene	8.377	75	80629	17.934	ug/l	98
37) Ethyl Acetate	7.565	43	70879	19.627	ug/l	98
38) Carbon Tetrachloride	8.365	117	91971	18.278	ug/l	97
39) Methylcyclohexane	9.606	83	101704	18.751	ug/l	98
40) Benzene	8.612	78	257033	18.530	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	37158	19.795	ug/l	99
42) 1,2-Dichloroethane	8.677	62	85187	18.472	ug/l	99
43) Isopropyl Acetate	8.694	43	114348	19.195	ug/l	99
44) Trichloroethene	9.359	130	69099	17.682	ug/l	100
45) 1,2-Dichloropropane	9.624	63	60240	17.846	ug/l	97
46) Dibromomethane	9.712	93	45476	18.164	ug/l	98
47) Bromodichloromethane	9.888	83	90158	18.363	ug/l	96
48) Methyl methacrylate	9.682	41	53585	19.972	ug/l	99
49) 1,4-Dioxane	9.700	88	25054	379.835	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	351852	97.667	ug/l	100
52) Toluene	10.629	92	170006	18.818	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	89212	18.562	ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	100707	19.085	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	66396	18.725	ug/l	96
56) Ethyl methacrylate	10.876	69	89651	19.035	ug/l	96
57) 1,3-Dichloropropane	11.165	76	107838	18.541	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	147715	98.506	ug/l	99
59) 2-Hexanone	11.200	43	259790	98.883	ug/l	100
60) Dibromochloromethane	11.359	129	75098	19.044	ug/l	97
61) 1,2-Dibromoethane	11.471	107	66275	18.470	ug/l	96
64) Tetrachloroethene	11.106	164	64162	18.857	ug/l	99
65) Chlorobenzene	11.894	112	183640	18.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	69036	18.780	ug/l	98
67) Ethyl Benzene	11.965	91	318587	19.020	ug/l	99
68) m/p-Xylenes	12.070	106	248677	37.510	ug/l	98
69) o-Xylene	12.400	106	124891	19.036	ug/l	100
70) Styrene	12.412	104	199905	19.164	ug/l	98
71) Bromoform	12.582	173	51837	19.380	ug/l #	98
73) Isopropylbenzene	12.700	105	328270	19.653	ug/l	99
74) N-amyl acetate	12.494	43	95212	19.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	94699	18.340	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	69571m	14.932	ug/l	
77) Bromobenzene	12.982	156	78860	18.655	ug/l	98
78) n-propylbenzene	13.041	91	364109	19.764	ug/l	99
79) 2-Chlorotoluene	13.129	91	218498	19.000	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	275681	19.720	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	25330	19.569	ug/l	99
82) 4-Chlorotoluene	13.129	91	218498	19.000	ug/l	99
83) tert-Butylbenzene	13.441	119	258171	20.946	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	274563	19.798	ug/l	98
85) sec-Butylbenzene	13.617	105	341472	20.072	ug/l	99
86) p-Isopropyltoluene	13.735	119	285199	20.147	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	143720	18.406	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	142020	17.804	ug/l	98
89) n-Butylbenzene	14.059	91	219512	19.141	ug/l	99
90) Hexachloroethane	14.335	117	48143	19.012	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	145213	18.880	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16646	18.168	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	69345	18.211	ug/l	99
94) Hexachlorobutadiene	15.506	225	40857	19.667	ug/l	98
95) Naphthalene	15.641	128	201395	17.490	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	67568	18.985	ug/l	99

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

