

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075668.D
 Acq On : 09 Dec 2022 14:33
 Operator : JC\MD
 Sample : VSTDICC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC075

Quant Time: Dec 09 14:50:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 09 13:25:23 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	221613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	356208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	326774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	173392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	183200	154.003	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 308.000%#			
35) Dibromofluoromethane	8.171	113	167821	119.932	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 239.860%#			
50) Toluene-d8	10.571	98	658974	209.091	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 418.180%#			
62) 4-Bromofluorobenzene	12.853	95	232686	100.027	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 200.060%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	119194	70.338	ug/l	96
3) Chloromethane	2.371	50	137903	65.401	ug/l	99
4) Vinyl Chloride	2.524	62	178431	67.145	ug/l	95
5) Bromomethane	2.930	94	156042	66.774	ug/l	95
6) Chloroethane	3.112	64	135131	67.109	ug/l	95
7) Trichlorofluoromethane	3.500	101	263584	69.431	ug/l	98
8) Diethyl Ether	3.971	74	98938	74.357	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.383	101	152740	72.880	ug/l	90
10) Methyl Iodide	4.595	142	257938	75.953	ug/l	94
11) Tert butyl alcohol	5.542	59	135894	272.127	ug/l	98
12) 1,1-Dichloroethene	4.347	96	148590	72.403	ug/l	91
13) Acrolein	4.189	56	155663	357.815	ug/l	98
14) Allyl chloride	5.036	41	190204m	71.651	ug/l	
15) Acrylonitrile	5.730	53	354623	309.524	ug/l	98
16) Acetone	4.436	43	282311	254.427	ug/l	96
17) Carbon Disulfide	4.718	76	384586	72.108	ug/l	99
18) Methyl Acetate	5.030	43	182411	55.533	ug/l	94
19) Methyl tert-butyl Ether	5.806	73	514736	70.802	ug/l	98
20) Methylene Chloride	5.289	84	169006	65.008	ug/l	90
21) trans-1,2-Dichloroethene	5.794	96	164170	70.193	ug/l	97
22) Diisopropyl ether	6.677	45	436055	71.982	ug/l	97
23) Vinyl Acetate	6.612	43	1712131m	355.259	ug/l	
24) 1,1-Dichloroethane	6.577	63	280215	72.065	ug/l	97
25) 2-Butanone	7.488	43	447332	288.763	ug/l	98
26) 2,2-Dichloropropane	7.494	77	239943	66.397	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	195216	73.816	ug/l	93
28) Bromochloromethane	7.818	49	115814	73.377	ug/l #	82
29) Tetrahydrofuran	7.841	42	293277	311.240	ug/l	96
30) Chloroform	7.971	83	311081	69.667	ug/l	99
31) Cyclohexane	8.265	56	247026	65.360	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	293056	72.281	ug/l	94
36) 1,1-Dichloropropene	8.377	75	231126	75.740	ug/l	97
37) Ethyl Acetate	7.571	43	178505	64.965	ug/l	97
38) Carbon Tetrachloride	8.365	117	262813	78.401	ug/l	99
39) Methylcyclohexane	9.606	83	302648	79.245	ug/l	95
40) Benzene	8.612	78	689495	73.798	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	100495	71.538	ug/l	99
42) 1,2-Dichloroethane	8.677	62	226265	72.311	ug/l	95
43) Isopropyl Acetate	8.694	43	315180	71.463	ug/l	95
44) Trichloroethene	9.353	130	193687	75.764	ug/l	92
45) 1,2-Dichloropropane	9.624	63	165207	74.201	ug/l	95
46) Dibromomethane	9.712	93	127215	75.541	ug/l #	88
47) Bromodichloromethane	9.888	83	250804	76.904	ug/l	98
48) Methyl methacrylate	9.682	41	147996	72.570	ug/l	95
49) 1,4-Dioxane	9.700	88	72859	1258.176	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	967106	344.278	ug/l	97
52) Toluene	10.635	92	474106	78.746	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	270593	82.648	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	286809	80.657	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	182105	74.263	ug/l	97
56) Ethyl methacrylate	10.876	69	269621	81.417	ug/l	97
57) 1,3-Dichloropropane	11.165	76	298434	74.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	410755	343.915	ug/l	96
59) 2-Hexanone	11.200	43	723582	343.036	ug/l	97
60) Dibromochloromethane	11.359	129	214222	85.109	ug/l	100
61) 1,2-Dibromoethane	11.471	107	191610	75.283	ug/l	99
64) Tetrachloroethene	11.106	164	173244	69.425	ug/l	89
65) Chlorobenzene	11.894	112	521920	77.339	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	197668	78.481	ug/l	99
67) Ethyl Benzene	11.965	91	934765	81.191	ug/l	97
68) m/p-Xylenes	12.076	106	743332	158.988	ug/l	99
69) o-Xylene	12.400	106	366310	78.856	ug/l	99
70) Styrene	12.412	104	609939	83.233	ug/l	99
71) Bromoform	12.582	173	161069	84.025	ug/l #	100
73) Isopropylbenzene	12.700	105	963001	76.019	ug/l	98
74) N-amyl acetate	12.494	43	306679	78.746	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	268451	69.508	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	257693m	78.604	ug/l	
77) Bromobenzene	12.982	156	234942	75.123	ug/l	84
78) n-propylbenzene	13.041	91	1110107	78.522	ug/l	99
79) 2-Chlorotoluene	13.129	91	647507	76.015	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	838214	79.643	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	82686	74.625	ug/l	98
82) 4-Chlorotoluene	13.129	91	647507	76.015	ug/l	97
83) tert-Butylbenzene	13.441	119	735758	76.673	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	839219	79.495	ug/l	99
85) sec-Butylbenzene	13.617	105	1062646	81.614	ug/l	100
86) p-Isopropyltoluene	13.735	119	910022	83.071	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	451362	76.172	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	449431	74.665	ug/l	98
89) n-Butylbenzene	14.059	91	759062	82.040	ug/l	99
90) Hexachloroethane	14.335	117	157061	83.108	ug/l	82
91) 1,2-Dichlorobenzene	14.106	146	441667	76.466	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50870	69.532	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	239908	81.051	ug/l	98
94) Hexachlorobutadiene	15.506	225	123803	80.298	ug/l	99
95) Naphthalene	15.641	128	710133	76.260	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	229279	78.812	ug/l	98

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

