

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075767.D
 Acq On : 14 Dec 2022 12:32
 Operator : JC\MD
 Sample : VSTDICC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC075

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 14 12:49:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 11:45:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	292993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	473944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	435074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	243292	78.261	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 156.520%#			
35) Dibromofluoromethane	8.171	113	218637	75.611	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 151.220%#			
50) Toluene-d8	10.571	98	844759	77.792	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 155.580%#			
62) 4-Bromofluorobenzene	12.853	95	285824	76.982	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 153.960%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	151730	70.411	ug/l	95
3) Chloromethane	2.371	50	176297	68.666	ug/l	95
4) Vinyl Chloride	2.524	62	222475	70.543	ug/l	100
5) Bromomethane	2.936	94	194118	72.269	ug/l	94
6) Chloroethane	3.112	64	166683	70.836	ug/l	99
7) Trichlorofluoromethane	3.501	101	342728	74.901	ug/l	99
8) Diethyl Ether	3.971	74	131645	78.696	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.383	101	198731	74.005	ug/l	98
10) Methyl Iodide	4.600	142	328560	74.872	ug/l	100
11) Tert butyl alcohol	5.536	59	181233	394.069	ug/l	100
12) 1,1-Dichloroethene	4.348	96	196214	78.173	ug/l	94
13) Acrolein	4.189	56	213017	402.167	ug/l	98
14) Allyl chloride	5.036	41	231760	74.146	ug/l	98
15) Acrylonitrile	5.730	53	473885	398.916	ug/l	100
16) Acetone	4.436	43	381605	362.470	ug/l	93
17) Carbon Disulfide	4.718	76	478871	72.101	ug/l	99
18) Methyl Acetate	5.036	43	242806	71.773	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	684090	81.021	ug/l	96
20) Methylene Chloride	5.283	84	218222	69.531	ug/l	99
21) trans-1,2-Dichloroethene	5.795	96	215806	76.937	ug/l	93
22) Diisopropyl ether	6.683	45	591443	83.163	ug/l	99
23) Vinyl Acetate	6.612	43	2105898	388.325	ug/l	98
24) 1,1-Dichloroethane	6.577	63	369606	78.952	ug/l	99
25) 2-Butanone	7.489	43	601399	390.766	ug/l	97
26) 2,2-Dichloropropane	7.494	77	326817	81.855	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	264605	77.704	ug/l	99
28) Bromochloromethane	7.818	49	161166	86.104	ug/l	97
29) Tetrahydrofuran	7.841	42	389388	410.483	ug/l	100
30) Chloroform	7.971	83	417581	80.532	ug/l	97
31) Cyclohexane	8.265	56	318130	69.118	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	384027	80.275	ug/l	97
36) 1,1-Dichloropropene	8.377	75	304476	79.299	ug/l	99
37) Ethyl Acetate	7.565	43	242380	78.624	ug/l	98
38) Carbon Tetrachloride	8.365	117	346627	78.233	ug/l	96
39) Methylcyclohexane	9.606	83	387628	79.615	ug/l	98
40) Benzene	8.612	78	911786	77.378	ug/l	100

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41) Methacrylonitrile	7.788	41	133590	84.512	ug/l	96
42) 1,2-Dichloroethane	8.671	62	306481	77.751	ug/l	99
43) Isopropyl Acetate	8.694	43	427434	83.053	ug/l	100
44) Trichloroethene	9.353	130	255006	76.711	ug/l	98
45) 1,2-Dichloropropane	9.624	63	221608	79.074	ug/l	100
46) Dibromomethane	9.712	93	166446	79.106	ug/l	98
47) Bromodichloromethane	9.888	83	335875	81.416	ug/l	95
48) Methyl methacrylate	9.682	41	196833	83.041	ug/l	98
49) 1,4-Dioxane	9.700	88	94972	1648.286	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	1297545	408.875	ug/l	100
52) Toluene	10.629	92	618247	79.379	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	357563	87.758	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	380128	83.857	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	240297	78.469	ug/l	97
56) Ethyl methacrylate	10.877	69	356915	86.015	ug/l	99
57) 1,3-Dichloropropane	11.165	76	393981	79.597	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	585430	477.841	ug/l	98
59) 2-Hexanone	11.194	43	948216	411.272	ug/l	100
60) Dibromochloromethane	11.359	129	277322	82.297	ug/l	99
61) 1,2-Dibromoethane	11.471	107	252678	78.756	ug/l	99
64) Tetrachloroethene	11.106	164	223842	70.633	ug/l	98
65) Chlorobenzene	11.894	112	668494	74.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	255346	78.402	ug/l	99
67) Ethyl Benzene	11.965	91	1206221	79.652	ug/l	96
68) m/p-Xylenes	12.076	106	951653	155.525	ug/l	99
69) o-Xylene	12.400	106	470786	79.286	ug/l	98
70) Styrene	12.412	104	779819	81.885	ug/l	99
71) Bromoform	12.582	173	202250	81.926	ug/l #	99
73) Isopropylbenzene	12.700	105	1224516	78.199	ug/l	100
74) N-amyl acetate	12.494	43	391975	86.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	350105	74.429	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	330405m	75.440	ug/l	
77) Bromobenzene	12.982	156	292992	74.402	ug/l	96
78) n-propylbenzene	13.035	91	1405706	80.899	ug/l	99
79) 2-Chlorotoluene	13.129	91	819561	76.398	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	1042441	79.626	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	107807	92.132	ug/l	98
82) 4-Chlorotoluene	13.129	91	819561	76.398	ug/l	99
83) tert-Butylbenzene	13.441	119	926589	78.047	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	1051567	79.918	ug/l	100
85) sec-Butylbenzene	13.618	105	1333949	81.730	ug/l	99
86) p-Isopropyltoluene	13.729	119	1138356	83.357	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	570647	77.486	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	561966	75.019	ug/l	99
89) n-Butylbenzene	14.059	91	962297	87.916	ug/l	99
90) Hexachloroethane	14.335	117	200559	85.739	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	560324	76.461	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	65940	85.309	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	308943	87.810	ug/l	99
94) Hexachlorobutadiene	15.506	225	158601	79.451	ug/l	99
95) Naphthalene	15.641	128	923967	88.855	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	297931	86.179	ug/l	100

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

