

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
 Data File : VN070894.D
 Acq On : 2 Feb 2022 15:02
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 02 15:21:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:12:54 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/04/2022

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	812278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1381604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1327959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	560732	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	1667294	143.223	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 286.440%#	
35) Dibromofluoromethane	8.019	113	1233271	143.904	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 287.800%#	
50) Toluene-d8	10.440	98	5076648	140.613	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 281.220%#	
62) 4-Bromofluorobenzene	12.731	95	1973764	153.417	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 306.840%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.070	85	1358758	144.760	ug/l	99
3) Chloromethane	2.298	50	1804644	131.533	ug/l	98
4) Vinyl Chloride	2.445	62	1515046	116.102	ug/l	99
5) Bromomethane	2.818	94	742854	109.301	ug/l	100
6) Chloroethane	2.982	64	662502	81.355	ug/l	99
7) Trichlorofluoromethane	3.357	101	1640271	110.032	ug/l	98
8) Diethyl Ether	3.819	74	931127	142.990	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.194	101	1188999	131.969	ug/l	97
10) Methyl Iodide	4.409	142	1864223	160.458	ug/l	98
11) Tert butyl alcohol	5.396	59	1941382	924.367	ug/l	98
12) 1,1-Dichloroethene	4.167	96	1246473	138.711	ug/l	94
13) Acrolein	4.036	56	1892857	628.413	ug/l	99
14) Allyl chloride	4.830	41	2903036	148.271	ug/l #	85
15) Acrylonitrile	5.554	53	5049876	755.827	ug/l	99
16) Acetone	4.285	43	4680279	579.253	ug/l	98
17) Carbon Disulfide	4.519	76	3777888	154.798	ug/l	99
18) Methyl Acetate	4.851	43	2265053	142.545	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	4758226	148.224	ug/l	94
20) Methylene Chloride	5.087	84	1460311	137.208	ug/l	90
21) trans-1,2-Dichloroethene	5.589	96	1293895	143.066	ug/l	88
22) Diisopropyl ether	6.495	45	5367291	138.304	ug/l	91
23) Vinyl Acetate	6.431	43	24329393	739.563	ug/l	96
24) 1,1-Dichloroethane	6.383	63	2742579	141.280	ug/l	98
25) 2-Butanone	7.335	43	7345140	722.433	ug/l	94
26) 2,2-Dichloropropane	7.321	77	2179128	146.413	ug/l	98
27) cis-1,2-Dichloroethene	7.321	96	1563905	145.566	ug/l	89
28) Bromochloromethane	7.654	49	1196080	137.233	ug/l #	79
29) Tetrahydrofuran	7.683	42	4746349	762.410	ug/l	89
30) Chloroform	7.815	83	2537992	116.448	ug/l	99
31) Cyclohexane	8.094	56	2682912	130.880	ug/l	86
32) 1,1,1-Trichloroethane	8.013	97	2228676	147.911	ug/l	98
36) 1,1-Dichloropropene	8.220	75	2009042	139.249	ug/l	97
37) Ethyl Acetate	7.412	43	2791933	145.760	ug/l	98
38) Carbon Tetrachloride	8.204	117	1869123	145.627	ug/l	99
39) Methylcyclohexane	9.459	83	2581646	144.943	ug/l	90
40) Benzene	8.458	78	6095494	136.350	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	1427232	146.460	ug/l #	87
42) 1,2-Dichloroethane	8.528	62	2106527	135.896	ug/l	99
43) Isopropyl Acetate	8.560	43	4528583	154.789	ug/l	96
44) Trichloroethene	9.215	130	1445041	142.585	ug/l	91
45) 1,2-Dichloropropane	9.488	63	1676927	137.869	ug/l	100
46) Dibromomethane	9.577	93	1001207	141.566	ug/l	96
47) Bromodichloromethane	9.762	83	2094958	144.910	ug/l	99
48) Methyl methacrylate	9.561	41	2077301	149.042	ug/l #	83
49) 1,4-Dioxane	9.571	88	729964	3486.680	ug/l #	85
51) 4-Methyl-2-Pentanone	10.333	43	14442292	773.625	ug/l	100
52) Toluene	10.505	92	3758936	140.567	ug/l	96
53) t-1,3-Dichloropropene	10.717	75	2497851	161.037	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	2643566	152.475	ug/l	99
55) 1,1,2-Trichloroethane	10.899	97	1487129	141.562	ug/l	97
56) Ethyl methacrylate	10.760	69	2867496	162.370	ug/l	89
57) 1,3-Dichloropropane	11.044	76	2640171	141.967	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	3830408	918.610	ug/l	91
59) 2-Hexanone	11.087	43	10563924	778.952	ug/l	99
60) Dibromochloromethane	11.237	129	1572617	160.490	ug/l	100
61) 1,2-Dibromoethane	11.344	107	1593257	151.058	ug/l	99
64) Tetrachloroethene	10.977	164	1207743	124.041	ug/l	95
65) Chlorobenzene	11.768	112	4030508	140.086	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	1447150	146.063	ug/l	99
67) Ethyl Benzene	11.843	91	7513406	140.850	ug/l	97
68) m/p-Xylenes	11.953	106	5613382	289.266	ug/l	95
69) o-Xylene	12.278	106	2824108	146.646	ug/l	94
70) Styrene	12.294	104	4770298	154.837	ug/l	96
71) Bromoform	12.457	173	1253820	167.534	ug/l #	100
73) Isopropylbenzene	12.578	105	7294766	137.513	ug/l	98
74) N-amyl acetate	12.388	43	3454803	159.284	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.827	83	2272758	126.860	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	1831647m	123.160	ug/l	
77) Bromobenzene	12.860	156	1691675	142.231	ug/l	79
78) n-propylbenzene	12.919	91	8594269	144.865	ug/l	97
79) 2-Chlorotoluene	13.007	91	5153242	137.316	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	5982741	139.462	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	819917	164.245	ug/l	89
82) 4-Chlorotoluene	13.104	91	5006861	142.793	ug/l	92
83) tert-Butylbenzene	13.324	119	5193831	139.086	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	5771134	139.955	ug/l	97
85) sec-Butylbenzene	13.501	105	7410222	145.965	ug/l	97
86) p-Isopropyltoluene	13.613	119	5857882	146.886	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	2836472	143.363	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	2793430	141.872	ug/l	98
89) n-Butylbenzene	13.940	91	5228661	158.924	ug/l	97
90) Hexachloroethane	14.209	117	1058295	151.809	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	2687972	137.508	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	502451	165.335	ug/l	85
93) 1,2,4-Trichlorobenzene	15.263	180	1622358	186.871	ug/l	98
94) Hexachlorobutadiene	15.367	225	840466	145.172	ug/l	99
95) Naphthalene	15.504	128	4801152	213.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	1555708	187.985	ug/l	99

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

