

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111221\
 Data File : VN069479.D
 Acq On : 12 Nov 2021 20:06
 Operator : JC/MD
 Sample : M4676-03MS
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SY-2D-20211111MS

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 03:31:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1018118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1750284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1677489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	718538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	758279	51.366	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.740%			
35) Dibromofluoromethane	8.021	113	543928	51.815	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.640%			
50) Toluene-d8	10.443	98	2141282	51.864	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.733	95	782366	51.583	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	464706	42.723	ug/l	100
3) Chloromethane	2.301	50	520286	41.245	ug/l	99
4) Vinyl Chloride	2.443	62	537794	42.579	ug/l	99
5) Bromomethane	2.832	94	332017	40.475	ug/l	99
6) Chloroethane	3.003	64	357688	41.955	ug/l	99
7) Trichlorofluoromethane	3.365	101	810321	41.511	ug/l	99
8) Diethyl Ether	3.821	74	320121	50.686	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.199	101	381950	41.537	ug/l	95
10) Methyl Iodide	4.411	142	490197	43.463	ug/l	97
11) Tert butyl alcohol	5.390	59	681974	256.373	ug/l	98
12) 1,1-Dichloroethene	4.173	96	352495	42.717	ug/l	93
13) Acrolein	4.038	56	86247	228.388	ug/l	99
14) Allyl chloride	4.835	41	805174	44.134	ug/l	94
15) Acrylonitrile	5.556	53	1703263	250.038	ug/l	98
16) Acetone	4.291	43	1587006	199.252	ug/l	97
17) Carbon Disulfide	4.521	76	725126	37.175	ug/l	98
18) Methyl Acetate	4.856	43	1169632	45.175	ug/l	93
19) Methyl tert-butyl Ether	5.618	73	1637072	46.877	ug/l	98
20) Methylene Chloride	5.090	84	475094	42.065	ug/l	88
21) trans-1,2-Dichloroethene	5.591	96	401223	43.532	ug/l	89
22) Diisopropyl ether	6.500	45	1829141	46.544	ug/l	95
23) Vinyl Acetate	6.436	43	6960694	229.002	ug/l	95
24) 1,1-Dichloroethane	6.385	63	903943	45.159	ug/l	98
25) 2-Butanone	7.340	43	2630610	243.913	ug/l	93
26) 2,2-Dichloropropane	7.327	77	644513	41.153	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	518310	45.365	ug/l	89
28) Bromochloromethane	7.659	49	491427	47.940	ug/l #	80
29) Tetrahydrofuran	7.689	42	1732212	261.723	ug/l	90
30) Chloroform	7.817	83	962154	46.886	ug/l	99
31) Cyclohexane	8.094	56	823491	40.832	ug/l	88
32) 1,1,1-Trichloroethane	8.016	97	794372	46.376	ug/l	96
36) 1,1-Dichloropropene	8.222	75	644791	43.781	ug/l	97
37) Ethyl Acetate	7.418	43	952499	47.844	ug/l	96
38) Carbon Tetrachloride	8.206	117	642666	45.199	ug/l	99
39) Methylcyclohexane	9.459	83	766258	41.825	ug/l	93
40) Benzene	8.461	78	2046369	45.016	ug/l	97

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41) Methacrylonitrile	7.640	41	486212	47.265	ug/l	92
42) 1,2-Dichloroethane	8.531	62	821281	46.140	ug/l	97
43) Isopropyl Acetate	8.563	43	1514549	47.363	ug/l	95
44) Trichloroethene	9.217	130	480488	44.164	ug/l	90
45) 1,2-Dichloropropane	9.491	63	566139	46.614	ug/l	99
46) Dibromomethane	9.579	93	371723	45.694	ug/l	93
47) Bromodichloromethane	9.764	83	705827	46.496	ug/l	99
48) Methyl methacrylate	9.561	41	710213	47.207	ug/l	93
49) 1,4-Dioxane	9.571	88	288692	969.517	ug/l	90
51) 4-Methyl-2-Pentanone	10.333	43	5419918	262.587	ug/l	96
52) Toluene	10.507	92	1362147	48.098	ug/l	100
53) t-1,3-Dichloropropene	10.722	75	744433	40.418	ug/l	98
54) cis-1,3-Dichloropropene	10.191	75	791929	40.601	ug/l #	90
55) 1,1,2-Trichloroethane	10.899	97	553599	48.493	ug/l	97
56) Ethyl methacrylate	10.762	69	944178	44.138	ug/l	87
57) 1,3-Dichloropropane	11.046	76	946036	47.159	ug/l	100
59) 2-Hexanone	11.087	43	4038119	232.290	ug/l	94
60) Dibromochloromethane	11.240	129	525170	42.304	ug/l	99
61) 1,2-Dibromoethane	11.347	107	558978	43.999	ug/l	99
64) Tetrachloroethene	10.979	164	423059	41.768	ug/l	94
65) Chlorobenzene	11.771	112	1415346	45.329	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	514591	47.515	ug/l	99
67) Ethyl Benzene	11.846	91	2628499	45.644	ug/l	97
68) m/p-Xylenes	11.956	106	1927512	91.008	ug/l	94
69) o-Xylene	12.283	106	974166	46.137	ug/l	94
70) Styrene	12.296	104	1594572	42.303	ug/l	97
71) Bromoform	12.460	173	375439	40.615	ug/l #	99
73) Isopropylbenzene	12.581	105	2586609	45.212	ug/l	99
74) N-amyl acetate	12.390	43	1171493	48.318	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	920759	47.719	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	865239m	52.179	ug/l	
77) Bromobenzene	12.862	156	596445	45.585	ug/l	80
78) n-propylbenzene	12.921	91	2878905	44.721	ug/l	96
79) 2-Chlorotoluene	13.010	91	1771324	44.440	ug/l	95
80) 1,3,5-Trimethylbenzene	13.061	105	2087269	45.130	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.629	75	221427	40.935	ug/l	90
82) 4-Chlorotoluene	13.106	91	1691492	44.517	ug/l	93
83) tert-Butylbenzene	13.326	119	1853511	45.732	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	2045008	45.801	ug/l	98
85) sec-Butylbenzene	13.503	105	2572755	45.442	ug/l	97
86) p-Isopropyltoluene	13.616	119	2024523	45.045	ug/l	97
87) 1,3-Dichlorobenzene	13.618	146	1013169	44.663	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	977176	43.910	ug/l	98
89) n-Butylbenzene	13.946	91	1602447	42.755	ug/l	98
90) Hexachloroethane	14.214	117	341128	41.669	ug/l	86
91) 1,2-Dichlorobenzene	13.989	146	1007015	46.652	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	165416	46.250	ug/l	83
93) 1,2,4-Trichlorobenzene	15.265	180	432880	39.004	ug/l	99
94) Hexachlorobutadiene	15.372	225	238906	42.596	ug/l	99
95) Naphthalene	15.507	128	1337951	42.663	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	442072	41.453	ug/l	98

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

