

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120221\
 Data File : VN069707.D
 Acq On : 2 Dec 2021 21:28
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN120221

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/03/2021
 Supervised By : Mahesh Dadoda 12/06/2021

Quant Time: Dec 03 08:47:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1164976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1936649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1852959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	791063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	832721	46.295	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.600%		
35) Dibromofluoromethane	8.021	113	571607	47.120	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.240%		
50) Toluene-d8	10.443	98	2300225	47.224	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.440%		
62) 4-Bromofluorobenzene	12.731	95	838517	47.518	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	719080	52.921	ug/l	99
3) Chloromethane	2.303	50	841709	49.446	ug/l	99
4) Vinyl Chloride	2.446	62	782700	50.005	ug/l	99
5) Bromomethane	2.840	94	446625	52.521	ug/l	100
6) Chloroethane	3.011	64	479771	50.019	ug/l	98
7) Trichlorofluoromethane	3.371	101	1031971	50.234	ug/l	98
8) Diethyl Ether	3.824	74	393393	49.720	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.202	101	576222	50.038	ug/l	97
10) Methyl Iodide	4.417	142	801876	50.972	ug/l	97
11) Tert butyl alcohol	5.388	59	831168	244.459	ug/l	99
12) 1,1-Dichloroethene	4.175	96	553674	49.895	ug/l	88
13) Acrolein	4.041	56	686619	237.139	ug/l	99
14) Allyl chloride	4.838	41	1248218	49.919	ug/l	94
15) Acrylonitrile	5.557	53	2299981	251.039	ug/l	99
16) Acetone	4.288	43	2255648	208.468	ug/l	96
17) Carbon Disulfide	4.524	76	1463052	51.033	ug/l	99
18) Methyl Acetate	4.859	43	1567613	47.998	ug/l	92
19) Methyl tert-butyl Ether	5.621	73	2205433	51.114	ug/l	97
20) Methylene Chloride	5.093	84	686249	47.709	ug/l #	86
21) trans-1,2-Dichloroethene	5.597	96	605002	50.195	ug/l	88
22) Diisopropyl ether	6.501	45	2513596	51.430	ug/l	95
23) Vinyl Acetate	6.436	43	10502855	264.142	ug/l	95
24) 1,1-Dichloroethane	6.388	63	1276228	50.409	ug/l	98
25) 2-Butanone	7.337	43	3510713	238.801	ug/l	92
26) 2,2-Dichloropropane	7.327	77	926818	47.083	ug/l	97
27) cis-1,2-Dichloroethene	7.324	96	726516	49.891	ug/l	87
28) Bromochloromethane	7.657	49	662395	50.313	ug/l #	79
29) Tetrahydrofuran	7.686	42	2289757	256.496	ug/l	89
30) Chloroform	7.820	83	1291748	50.520	ug/l	99
31) Cyclohexane	8.096	56	1229824	49.130	ug/l	88
32) 1,1,1-Trichloroethane	8.016	97	1116646	51.270	ug/l	96
36) 1,1-Dichloropropene	8.223	75	946736	51.352	ug/l	96
37) Ethyl Acetate	7.415	43	1368927	49.888	ug/l	96
38) Carbon Tetrachloride	8.206	117	929013	51.386	ug/l	99
39) Methylcyclohexane	9.462	83	1149717	52.428	ug/l	91
40) Benzene	8.461	78	2865227	50.845	ug/l	99

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41) Methacrylonitrile	7.638	41	680061	52.795	ug/l #	88
42) 1,2-Dichloroethane	8.531	62	1136217	49.947	ug/l	96
43) Isopropyl Acetate	8.563	43	2107986	51.912	ug/l #	93
44) Trichloroethene	9.218	130	689955	51.297	ug/l	90
45) 1,2-Dichloropropane	9.491	63	774058	51.151	ug/l	100
46) Dibromomethane	9.577	93	511983	51.588	ug/l	92
47) Bromodichloromethane	9.765	83	989695	52.669	ug/l	99
48) Methyl methacrylate	9.561	41	981497	51.793	ug/l	88
49) 1,4-Dioxane	9.572	88	347795	1022.850	ug/l #	85
51) 4-Methyl-2-Pentanone	10.333	43	7052617	267.725	ug/l	95
52) Toluene	10.505	92	1797064	52.234	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	1066363	47.334	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	1152834	48.653	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	711770	51.275	ug/l	97
56) Ethyl methacrylate	10.762	69	1254693	47.999	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	1255902	51.382	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	1542581	220.439	ug/l	91
59) 2-Hexanone	11.087	43	5188509	260.370	ug/l	93
60) Dibromochloromethane	11.240	129	718371	48.380	ug/l	100
61) 1,2-Dibromoethane	11.347	107	751467	52.266	ug/l	100
64) Tetrachloroethene	10.980	164	634265	50.481	ug/l	96
65) Chlorobenzene	11.771	112	1905361	50.687	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	693465	52.413	ug/l	99
67) Ethyl Benzene	11.846	91	3565939	52.223	ug/l	96
68) m/p-Xylenes	11.953	106	2610848	105.012	ug/l	93
69) o-Xylene	12.280	106	1300997	51.950	ug/l	92
70) Styrene	12.294	104	2132495	53.700	ug/l	96
71) Bromoform	12.460	173	532522	47.219	ug/l #	100
73) Isopropylbenzene	12.578	105	3456951	49.117	ug/l	98
74) N-amyl acetate	12.388	43	1570197	50.447	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	1157704	47.567	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	967545m	42.650	ug/l	
77) Bromobenzene	12.862	156	791005	47.847	ug/l	79
78) n-propylbenzene	12.921	91	3933718	50.226	ug/l	96
79) 2-Chlorotoluene	13.007	91	2392594	48.347	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	2837540	50.089	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	324085	47.019	ug/l	94
82) 4-Chlorotoluene	13.106	91	2294818	49.308	ug/l	93
83) tert-Butylbenzene	13.324	119	2475417	49.349	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	2764896	51.249	ug/l	97
85) sec-Butylbenzene	13.503	105	3444061	50.618	ug/l	97
86) p-Isopropyltoluene	13.616	119	2731225	51.355	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	1339496	49.320	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	1297910	48.629	ug/l	98
89) n-Butylbenzene	13.943	91	2227798	51.639	ug/l	98
90) Hexachloroethane	14.211	117	477958	51.187	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	1299590	49.111	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	217642	49.487	ug/l	81
93) 1,2,4-Trichlorobenzene	15.265	180	602030	46.594	ug/l	98
94) Hexachlorobutadiene	15.373	225	346752	49.443	ug/l	100
95) Naphthalene	15.507	128	1707189	44.625	ug/l	100
96) 1,2,3-Trichlorobenzene	15.703	180	585111	46.440	ug/l	98

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

