

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012822\
 Data File : VN070818.D
 Acq On : 28 Jan 2022 10:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/31/2022
 Supervised By : Mahesh Dadoda 01/31/2022

Quant Time: Jan 28 23:14:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	571490	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	900280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	846010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	391897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	449259	54.852	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.700%			
35) Dibromofluoromethane	8.018	113	310825	55.659	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 111.320%			
50) Toluene-d8	10.438	98	1253540	53.283	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.560%			
62) 4-Bromofluorobenzene	12.728	95	488803	58.307	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 116.620%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.075	85	305250	46.223	ug/l	99
3) Chloromethane	2.306	50	464564	48.127	ug/l	99
4) Vinyl Chloride	2.451	62	526576	57.355	ug/l	98
5) Bromomethane	2.864	94	288252	60.282	ug/l	98
6) Chloroethane	3.027	64	330457	57.678	ug/l	98
7) Trichlorofluoromethane	3.384	101	686974	65.500	ug/l	97
8) Diethyl Ether	3.827	74	205834	44.927	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.213	101	310538	48.989	ug/l	94
10) Methyl Iodide	4.425	142	376305	46.036	ug/l	96
11) Tert butyl alcohol	5.369	59	305549	206.781	ug/l	98
12) 1,1-Dichloroethene	4.186	96	287087	45.409	ug/l	89
13) Acrolein	4.041	56	575058	271.353	ug/l	100
14) Allyl chloride	4.840	41	629265	45.681	ug/l	89
15) Acrylonitrile	5.551	53	1043180	221.920	ug/l	99
16) Acetone	4.282	43	1319646	232.140	ug/l	99
17) Carbon Disulfide	4.532	76	774054	45.080	ug/l	97
18) Methyl Acetate	4.856	43	468302	41.888	ug/l	93
19) Methyl tert-butyl Ether	5.615	73	1152944	51.048	ug/l	95
20) Methylene Chloride	5.095	84	348213	46.502	ug/l	87
21) trans-1,2-Dichloroethene	5.599	96	310070	48.730	ug/l	85
22) Diisopropyl ether	6.492	45	1297067	47.505	ug/l	94
23) Vinyl Acetate	6.431	43	5521336	238.553	ug/l	95
24) 1,1-Dichloroethane	6.385	63	657102	48.112	ug/l	98
25) 2-Butanone	7.332	43	1603622	224.179	ug/l	94
26) 2,2-Dichloropropane	7.324	77	560226	53.500	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	370027	48.953	ug/l	85
28) Bromochloromethane	7.654	49	291634	47.559	ug/l	# 79
29) Tetrahydrofuran	7.681	42	943603	215.434	ug/l	90
30) Chloroform	7.815	83	660038	49.484	ug/l	99
31) Cyclohexane	8.094	56	629615	43.655	ug/l	91
32) 1,1,1-Trichloroethane	8.013	97	577909	54.514	ug/l	97
36) 1,1-Dichloropropene	8.220	75	497593	52.928	ug/l	96
37) Ethyl Acetate	7.410	43	587919	47.104	ug/l	96
38) Carbon Tetrachloride	8.204	117	492492	58.886	ug/l	99
39) Methylcyclohexane	9.459	83	602373	51.901	ug/l	89
40) Benzene	8.458	78	1448395	49.721	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	295145	46.480	ug/l	90
42) 1,2-Dichloroethane	8.528	62	561152	55.556	ug/l	98
43) Isopropyl Acetate	8.558	43	927091	48.630	ug/l	97
44) Trichloroethene	9.215	130	342290	51.832	ug/l	91
45) 1,2-Dichloropropane	9.485	63	396303	50.002	ug/l	99
46) Dibromomethane	9.574	93	247432	53.690	ug/l	94
47) Bromodichloromethane	9.759	83	528553	56.107	ug/l	99
48) Methyl methacrylate	9.558	41	458902	50.528	ug/l #	79
49) 1,4-Dioxane	9.566	88	111261	815.567	ug/l #	84
51) 4-Methyl-2-Pentanone	10.328	43	2951892	242.661	ug/l	98
52) Toluene	10.502	92	911291	52.298	ug/l	99
53) t-1,3-Dichloropropene	10.717	75	584416	51.102	ug/l	99
54) cis-1,3-Dichloropropene	10.185	75	622109	55.066	ug/l	97
55) 1,1,2-Trichloroethane	10.896	97	351383	51.332	ug/l	97
56) Ethyl methacrylate	10.757	69	595128	45.910	ug/l	91
57) 1,3-Dichloropropane	11.041	76	638296	52.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.038	63	755811	230.646	ug/l	91
59) 2-Hexanone	11.081	43	2220934	251.320	ug/l	97
60) Dibromochloromethane	11.234	129	374705	58.684	ug/l	98
61) 1,2-Dibromoethane	11.344	107	354810	51.625	ug/l	100
64) Tetrachloroethene	10.974	164	310023	49.980	ug/l	95
65) Chlorobenzene	11.768	112	953438	52.016	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.838	131	353837	56.058	ug/l	99
67) Ethyl Benzene	11.843	91	1824726	53.694	ug/l	96
68) m/p-Xylenes	11.950	106	1342353	108.580	ug/l	89
69) o-Xylene	12.277	106	649308	52.924	ug/l	87
70) Styrene	12.291	104	1089822	55.526	ug/l	94
71) Bromoform	12.454	173	278097	58.327	ug/l #	99
73) Isopropylbenzene	12.575	105	1775057	47.877	ug/l	97
74) N-amyl acetate	12.385	43	678778	44.778	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.825	83	551403	44.038	ug/l	99
76) 1,2,3-Trichloropropane	12.876	75	498868m	47.995	ug/l	
77) Bromobenzene	12.857	156	399284	48.033	ug/l	76
78) n-propylbenzene	12.918	91	2111354	50.921	ug/l	96
79) 2-Chlorotoluene	13.004	91	1262167	48.122	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	1502978	50.129	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.623	75	169217	48.501	ug/l	96
82) 4-Chlorotoluene	13.101	91	1262009	51.498	ug/l	91
83) tert-Butylbenzene	13.321	119	1297899	49.730	ug/l	92
84) 1,2,4-Trimethylbenzene	13.366	105	1478187	51.291	ug/l	96
85) sec-Butylbenzene	13.498	105	1847566	52.071	ug/l	97
86) p-Isopropyltoluene	13.613	119	1513768	54.310	ug/l	95
87) 1,3-Dichlorobenzene	13.613	146	725336	52.454	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	707924	51.443	ug/l	96
89) n-Butylbenzene	13.940	91	1293163	56.239	ug/l	97
90) Hexachloroethane	14.208	117	262740	53.926	ug/l	93
91) 1,2-Dichlorobenzene	13.986	146	686804	50.271	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.600	75	103938	48.936	ug/l	76
93) 1,2,4-Trichlorobenzene	15.262	180	348548	48.267	ug/l	98
94) Hexachlorobutadiene	15.367	225	234885	58.050	ug/l	99
95) Naphthalene	15.504	128	773457	39.243	ug/l	99
96) 1,2,3-Trichlorobenzene	15.697	180	318879	46.327	ug/l	97

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

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