

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020322\
 Data File : VN070921.D
 Acq On : 3 Feb 2022 9:57
 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 02/07/2022
 Supervised By : Mahesh Dadoda 02/08/2022

Quant Time: Feb 04 04:41:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:30:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	707582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1138302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1058910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	467928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	469629	49.033	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.060%		
35) Dibromofluoromethane	8.019	113	345152	50.616	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.240%		
50) Toluene-d8	10.440	98	1433585	51.203	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.400%		
62) 4-Bromofluorobenzene	12.728	95	531205	52.655	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.320%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	466776	59.454	ug/l	99
3) Chloromethane	2.303	50	529560	53.404	ug/l	98
4) Vinyl Chloride	2.448	62	343604	41.478	ug/l	98
5) Bromomethane	2.837	94	223397	52.725	ug/l	99
6) Chloroethane	3.011	64	218682	58.207	ug/l	98
7) Trichlorofluoromethane	3.373	101	531427	57.445	ug/l	98
8) Diethyl Ether	3.824	74	209850	39.112	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.205	101	417345	59.790	ug/l	94
10) Methyl Iodide	4.417	142	561069	54.474	ug/l	98
11) Tert butyl alcohol	5.379	59	494546	245.728	ug/l	98
12) 1,1-Dichloroethene	4.175	96	400175	56.119	ug/l	94
13) Acrolein	4.036	56	590452	266.481	ug/l	99
14) Allyl chloride	4.838	41	918983	56.572	ug/l #	83
15) Acrylonitrile	5.551	53	1526997	271.693	ug/l	99
16) Acetone	4.283	43	1950994	340.663	ug/l	98
17) Carbon Disulfide	4.524	76	1225676	55.346	ug/l	98
18) Methyl Acetate	4.854	43	698826	53.559	ug/l	93
19) Methyl tert-butyl Ether	5.618	73	1508422	55.405	ug/l	95
20) Methylene Chloride	5.093	84	475301	54.651	ug/l	89
21) trans-1,2-Dichloroethene	5.591	96	421275	55.410	ug/l	87
22) Diisopropyl ether	6.495	45	1766273	56.134	ug/l #	91
23) Vinyl Acetate	6.431	43	7837635	281.612	ug/l	95
24) 1,1-Dichloroethane	6.385	63	879874	55.537	ug/l	98
25) 2-Butanone	7.335	43	2447115	296.019	ug/l	93
26) 2,2-Dichloropropane	7.324	77	697820	56.084	ug/l	98
27) cis-1,2-Dichloroethene	7.324	96	488559	54.409	ug/l	86
28) Bromochloromethane	7.656	49	327693	47.400	ug/l #	77
29) Tetrahydrofuran	7.683	42	1433970	267.050	ug/l	88
30) Chloroform	7.817	83	816614	54.181	ug/l	100
31) Cyclohexane	8.094	56	889874	54.683	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	693715	54.529	ug/l	97
36) 1,1-Dichloropropene	8.220	75	638626	57.648	ug/l	96
37) Ethyl Acetate	7.412	43	840383	55.042	ug/l	98
38) Carbon Tetrachloride	8.204	117	574787	56.815	ug/l	98
39) Methylcyclohexane	9.459	83	842010	61.829	ug/l	90
40) Benzene	8.458	78	1938727	55.705	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	435077	56.715	ug/l #	87
42) 1,2-Dichloroethane	8.528	62	671670	56.689	ug/l	100
43) Isopropyl Acetate	8.560	43	1344654	52.389	ug/l	96
44) Trichloroethene	9.215	130	443916	55.122	ug/l	90
45) 1,2-Dichloropropane	9.488	63	536344	57.549	ug/l	99
46) Dibromomethane	9.574	93	318758	57.094	ug/l	95
47) Bromodichloromethane	9.759	83	648378	57.656	ug/l	99
48) Methyl methacrylate	9.558	41	653249	59.031	ug/l #	78
49) 1,4-Dioxane	9.569	88	196078	1057.705	ug/l #	83
51) 4-Methyl-2-Pentanone	10.328	43	4279716	283.284	ug/l	98
52) Toluene	10.505	92	1195886	55.456	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	746608	58.827	ug/l	97
54) cis-1,3-Dichloropropene	10.188	75	809485	58.643	ug/l	99
55) 1,1,2-Trichloroethane	10.896	97	461105	56.302	ug/l	98
56) Ethyl methacrylate	10.759	69	822758	57.679	ug/l	88
57) 1,3-Dichloropropane	11.044	76	823952	57.469	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1027495	264.758	ug/l	90
59) 2-Hexanone	11.084	43	3305000	299.632	ug/l	97
60) Dibromochloromethane	11.237	129	469107	57.751	ug/l	99
61) 1,2-Dibromoethane	11.344	107	476465	56.568	ug/l	99
64) Tetrachloroethene	10.977	164	403364	58.199	ug/l	95
65) Chlorobenzene	11.768	112	1223023	55.184	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	437370	56.543	ug/l	99
67) Ethyl Benzene	11.843	91	2330712	57.690	ug/l	96
68) m/p-Xylenes	11.950	106	1731585	115.675	ug/l	93
69) o-Xylene	12.278	106	850164	56.746	ug/l	92
70) Styrene	12.294	104	1412946	59.840	ug/l	96
71) Bromoform	12.457	173	358413	56.118	ug/l #	100
73) Isopropylbenzene	12.578	105	2240801	54.886	ug/l	98
74) N-amyl acetate	12.387	43	995390	54.439	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.825	83	727651	51.455	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	579684m	51.468	ug/l	
77) Bromobenzene	12.859	156	505286	51.627	ug/l	76
78) n-propylbenzene	12.918	91	2651880	56.957	ug/l	96
79) 2-Chlorotoluene	13.004	91	1585934	54.779	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	1871645	56.553	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.623	75	236701	56.967	ug/l	89
82) 4-Chlorotoluene	13.104	91	1566293	56.134	ug/l	91
83) tert-Butylbenzene	13.321	119	1600692	55.458	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	1837176	56.766	ug/l	97
85) sec-Butylbenzene	13.500	105	2321532	57.490	ug/l	97
86) p-Isopropyltoluene	13.613	119	1869714	58.714	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	908136	55.781	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	882071	54.164	ug/l	97
89) n-Butylbenzene	13.940	91	1646005	58.653	ug/l	97
90) Hexachloroethane	14.209	117	325250	57.632	ug/l	92
91) 1,2-Dichlorobenzene	13.989	146	850882	54.479	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.600	75	133018	51.909	ug/l	82
93) 1,2,4-Trichlorobenzene	15.263	180	459985	53.221	ug/l	99
94) Hexachlorobutadiene	15.367	225	298475	57.220	ug/l	99
95) Naphthalene	15.504	128	1143159	46.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.697	180	433376	52.488	ug/l	99

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

