

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073840.D
 Acq On : 12 Aug 2022 10:02
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/13/2022
 Supervised By : Mahesh Dadoda 08/14/2022

Quant Time: Aug 13 05:00:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	421721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	621447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	583464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	305445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	227433	44.253	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.500%		
35) Dibromofluoromethane	7.945	113	201947	51.751	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.500%		
50) Toluene-d8	10.374	98	756238	49.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.500%		
62) 4-Bromofluorobenzene	12.668	95	260645	48.442	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	209483	51.213	ug/l	98
3) Chloromethane	2.269	50	250069	50.912	ug/l	100
4) Vinyl Chloride	2.404	62	300893	42.060	ug/l	99
5) Bromomethane	2.775	94	216762	52.245	ug/l	98
6) Chloroethane	2.940	64	204340	48.927	ug/l	96
7) Trichlorofluoromethane	3.298	101	350596	47.553	ug/l	98
8) Diethyl Ether	3.757	74	131051	47.338	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.128	101	211359	51.815	ug/l	98
10) Methyl Iodide	4.340	142	238526	57.520	ug/l	96
11) Tert butyl alcohol	5.287	59	238433	215.119	ug/l	99
12) 1,1-Dichloroethene	4.104	96	195213	48.789	ug/l	96
13) Acrolein	3.969	56	239127	217.619	ug/l	99
14) Allyl chloride	4.751	41	296209	46.304	ug/l	99
15) Acrylonitrile	5.469	53	714502	233.043	ug/l	100
16) Acetone	4.216	43	599716	217.258	ug/l	97
17) Carbon Disulfide	4.451	76	515205	48.562	ug/l	99
18) Methyl Acetate	4.769	43	314381	45.778	ug/l	98
19) Methyl tert-butyl Ether	5.522	73	677614	49.573	ug/l	97
20) Methylene Chloride	5.004	84	238821	53.641	ug/l	98
21) trans-1,2-Dichloroethene	5.504	96	218455	50.437	ug/l	94
22) Diisopropyl ether	6.404	45	662290	47.988	ug/l	99
23) Vinyl Acetate	6.345	43	2944207	254.447	ug/l	99
24) 1,1-Dichloroethane	6.298	63	399827	47.091	ug/l	99
25) 2-Butanone	7.251	43	968301	225.879	ug/l	99
26) 2,2-Dichloropropane	7.245	77	334207	51.162	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	260992	48.907	ug/l	97
28) Bromochloromethane	7.580	49	153980	43.192	ug/l	98
29) Tetrahydrofuran	7.604	42	621552	229.326	ug/l	100
30) Chloroform	7.739	83	426263	48.186	ug/l	100
31) Cyclohexane	8.022	56	356846	46.638	ug/l	99
32) 1,1,1-Trichloroethane	7.939	97	364231	49.588	ug/l	99
36) 1,1-Dichloropropene	8.145	75	309468	55.643	ug/l	100
37) Ethyl Acetate	7.333	43	375597	51.279	ug/l	98
38) Carbon Tetrachloride	8.128	117	317664	56.236	ug/l	99
39) Methylcyclohexane	9.392	83	398342	59.936	ug/l	98
40) Benzene	8.386	78	956810	52.978	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	173175	52.249	ug/l #	91
42) 1,2-Dichloroethane	8.457	62	320947	52.728	ug/l	98
43) Isopropyl Acetate	8.492	43	523879	52.953	ug/l	99
44) Trichloroethene	9.151	130	253358	55.319	ug/l	98
45) 1,2-Dichloropropane	9.427	63	239475	53.048	ug/l	98
46) Dibromomethane	9.510	93	171853	54.851	ug/l	99
47) Bromodichloromethane	9.698	83	333241	55.417	ug/l	100
48) Methyl methacrylate	9.498	41	239755	55.364	ug/l	94
49) 1,4-Dioxane	9.504	88	128138	1049.691	ug/l	93
51) 4-Methyl-2-Pentanone	10.269	43	1884393	265.565	ug/l	100
52) Toluene	10.439	92	625872	56.735	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	350428	58.989	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	386674	57.761	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	252951	54.987	ug/l	98
56) Ethyl methacrylate	10.698	69	387532	61.122	ug/l	99
57) 1,3-Dichloropropane	10.980	76	415974	53.297	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	869225	258.712	ug/l	99
59) 2-Hexanone	11.021	43	1456268	270.880	ug/l	99
60) Dibromochloromethane	11.174	129	271576	59.342	ug/l	100
61) 1,2-Dibromoethane	11.286	107	263944	55.710	ug/l	99
64) Tetrachloroethene	10.916	164	251826	54.309	ug/l	98
65) Chlorobenzene	11.710	112	677293	54.650	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	249199	56.061	ug/l	99
67) Ethyl Benzene	11.780	91	1196406	57.222	ug/l	99
68) m/p-Xylenes	11.892	106	947880	118.866	ug/l	99
69) o-Xylene	12.221	106	461394	59.348	ug/l	97
70) Styrene	12.233	104	769570	61.837	ug/l	98
71) Bromoform	12.398	173	222865	60.741	ug/l #	99
73) Isopropylbenzene	12.521	105	1203956	53.846	ug/l	99
74) N-amyl acetate	12.327	43	440277	52.116	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	387404	44.900	ug/l	96
76) 1,2,3-Trichloropropane	12.821	75	278732m	49.801	ug/l	
77) Bromobenzene	12.798	156	300816	51.662	ug/l	97
78) n-propylbenzene	12.863	91	1408006	55.965	ug/l	100
79) 2-Chlorotoluene	12.945	91	816735	52.014	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	1020585	55.465	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.563	75	125584	53.282	ug/l	99
82) 4-Chlorotoluene	13.045	91	787249	52.899	ug/l	97
83) tert-Butylbenzene	13.262	119	889115	54.553	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	1017755	56.251	ug/l	99
85) sec-Butylbenzene	13.439	105	1269225	56.345	ug/l	99
86) p-Isopropyltoluene	13.557	119	1078627	60.741	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	553489	52.076	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	543297	51.090	ug/l	97
89) n-Butylbenzene	13.880	91	867679	60.053	ug/l	99
90) Hexachloroethane	14.151	117	189611	53.817	ug/l	95
91) 1,2-Dichlorobenzene	13.927	146	556346	51.656	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	84880	48.963	ug/l	91
93) 1,2,4-Trichlorobenzene	15.198	180	325769	60.909	ug/l	99
94) Hexachlorobutadiene	15.298	225	172538	59.340	ug/l	99
95) Naphthalene	15.433	128	989226	56.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	325550	57.834	ug/l	99

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

