

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073097.D
 Acq On : 24 Jun 2022 21:03
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 24 23:41:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	218988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	382717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	345992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	158774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	178131	60.166	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.340%			
35) Dibromofluoromethane	7.951	113	137170	57.987	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.980%			
50) Toluene-d8	10.374	98	516387	58.666	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 117.340%#			
62) 4-Bromofluorobenzene	12.668	95	190232	60.102	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 120.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	116627	55.935	ug/l	98
3) Chloromethane	2.263	50	109243	48.755	ug/l	99
4) Vinyl Chloride	2.404	62	103604	55.408	ug/l	98
5) Bromomethane	2.787	94	39930	54.247	ug/l	98
6) Chloroethane	2.951	64	68556	58.604	ug/l	92
7) Trichlorofluoromethane	3.310	101	184533	60.602	ug/l	97
8) Diethyl Ether	3.769	74	89184	56.751	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.140	101	118316	56.212	ug/l	98
10) Methyl Iodide	4.345	142	113127	46.890	ug/l	96
11) Tert butyl alcohol	5.298	59	215615	281.932	ug/l	99
12) 1,1-Dichloroethene	4.116	96	110903	52.896	ug/l	99
13) Acrolein	3.987	56	70710	234.759	ug/l	100
14) Allyl chloride	4.763	41	245821	54.877	ug/l #	92
15) Acrylonitrile	5.475	53	542133	307.510	ug/l	99
16) Acetone	4.222	43	496915	305.332	ug/l	93
17) Carbon Disulfide	4.457	76	232056	43.198	ug/l	100
18) Methyl Acetate	4.781	43	263760	60.861	ug/l	91
19) Methyl tert-butyl Ether	5.539	73	469405	59.613	ug/l	98
20) Methylene Chloride	5.010	84	141558	56.107	ug/l	92
21) trans-1,2-Dichloroethene	5.516	96	116635	51.141	ug/l	97
22) Diisopropyl ether	6.416	45	521117	62.403	ug/l	95
23) Vinyl Acetate	6.351	43	2370250	307.477	ug/l #	93
24) 1,1-Dichloroethane	6.304	63	258050	58.941	ug/l	99
25) 2-Butanone	7.263	43	802642	310.798	ug/l	90
26) 2,2-Dichloropropane	7.251	77	162253	44.583	ug/l	100
27) cis-1,2-Dichloroethene	7.251	96	153144	56.205	ug/l	98
28) Bromochloromethane	7.586	49	98495	54.398	ug/l #	82
29) Tetrahydrofuran	7.610	42	526004	308.435	ug/l	87
30) Chloroform	7.745	83	264854	59.758	ug/l	98
31) Cyclohexane	8.022	56	202826	50.645	ug/l	91
32) 1,1,1-Trichloroethane	7.939	97	225102	57.876	ug/l	99
36) 1,1-Dichloropropene	8.151	75	175938	54.966	ug/l	98
37) Ethyl Acetate	7.339	43	300085	58.613	ug/l	95
38) Carbon Tetrachloride	8.133	117	187023	55.549	ug/l	98
39) Methylcyclohexane	9.392	83	198376	51.418	ug/l	93
40) Benzene	8.392	78	564295	56.096	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	146364	60.285	ug/l #	89
42) 1,2-Dichloroethane	8.463	62	212173	59.383	ug/l	98
43) Isopropyl Acetate	8.492	43	448914	61.339	ug/l	93
44) Trichloroethene	9.151	130	138108	54.176	ug/l	95
45) 1,2-Dichloropropane	9.427	63	151422	58.889	ug/l	100
46) Dibromomethane	9.516	93	100819	57.987	ug/l	93
47) Bromodichloromethane	9.698	83	208368	60.303	ug/l	99
48) Methyl methacrylate	9.498	41	200617	60.040	ug/l	89
49) 1,4-Dioxane	9.504	88	82708	1100.096	ug/l #	91
51) 4-Methyl-2-Pentanone	10.269	43	1524932	319.530	ug/l	91
52) Toluene	10.439	92	356747	57.764	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	218930	58.915	ug/l	98
54) cis-1,3-Dichloropropene	10.127	75	229751	56.603	ug/l #	88
55) 1,1,2-Trichloroethane	10.833	97	156492	57.709	ug/l	98
56) Ethyl methacrylate	10.698	69	268086	61.679	ug/l #	86
57) 1,3-Dichloropropane	10.980	76	259706	57.726	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	633503	330.131	ug/l	95
59) 2-Hexanone	11.021	43	1183790	320.706	ug/l	90
60) Dibromochloromethane	11.174	129	161181	62.892	ug/l	100
61) 1,2-Dibromoethane	11.280	107	159750	59.757	ug/l	99
64) Tetrachloroethene	10.916	164	117600	55.872	ug/l	95
65) Chlorobenzene	11.704	112	377316	55.840	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	147124	57.207	ug/l	99
67) Ethyl Benzene	11.780	91	691430	58.129	ug/l	100
68) m/p-Xylenes	11.892	106	521208	111.719	ug/l	95
69) o-Xylene	12.215	106	266569	57.182	ug/l	98
70) Styrene	12.233	104	439525	58.710	ug/l	99
71) Bromoform	12.398	173	117373	60.528	ug/l #	100
73) Isopropylbenzene	12.515	105	696520	56.705	ug/l	99
74) N-amyl acetate	12.327	43	376530	59.071	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.762	83	252799	57.147	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	210189m	54.602	ug/l	
77) Bromobenzene	12.798	156	161624	54.925	ug/l	87
78) n-propylbenzene	12.857	91	794487	58.804	ug/l	98
79) 2-Chlorotoluene	12.945	91	487889	55.765	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	572241	56.716	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.563	75	77069	54.069	ug/l	95
82) 4-Chlorotoluene	13.039	91	477290	57.660	ug/l	97
83) tert-Butylbenzene	13.257	119	522557	56.551	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	571328	56.852	ug/l	99
85) sec-Butylbenzene	13.439	105	717049	58.170	ug/l	99
86) p-Isopropyltoluene	13.551	119	582954	58.413	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	289226	55.054	ug/l	100
88) 1,4-Dichlorobenzene	13.627	146	292171	54.947	ug/l	99
89) n-Butylbenzene	13.880	91	480664	58.984	ug/l	98
90) Hexachloroethane	14.145	117	112433	59.759	ug/l	87
91) 1,2-Dichlorobenzene	13.921	146	303056	55.314	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	62184	55.753	ug/l	92
93) 1,2,4-Trichlorobenzene	15.192	180	162735	53.671	ug/l	98
94) Hexachlorobutadiene	15.298	225	68186	51.678	ug/l	100
95) Naphthalene	15.433	128	647147	52.761	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	169192	52.256	ug/l	96

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

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