

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071522\
 Data File : VN073474.D
 Acq On : 15 Jul 2022 09:58
 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 07/18/2022
 Supervised By : Mahesh Dadoda 07/18/2022

Quant Time: Jul 16 04:11:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	207540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	348275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	327734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	157973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	151599	50.599	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.200%			
35) Dibromofluoromethane	7.951	113	119824	51.712	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.420%			
50) Toluene-d8	10.380	98	414160	50.325	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.660%			
62) 4-Bromofluorobenzene	12.668	95	172202	54.449	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	145489	47.949	ug/l	100
3) Chloromethane	2.269	50	144445	49.034	ug/l	99
4) Vinyl Chloride	2.404	62	120737	48.238	ug/l	100
5) Bromomethane	2.781	94	79611	67.341	ug/l	100
6) Chloroethane	2.946	64	76023	51.633	ug/l	89
7) Trichlorofluoromethane	3.310	101	219140	50.642	ug/l	96
8) Diethyl Ether	3.763	74	93269	52.948	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.134	101	131932	51.599	ug/l	97
10) Methyl Iodide	4.345	142	137280	45.248	ug/l	94
11) Tert butyl alcohol	5.287	59	176238	242.825	ug/l	100
12) 1,1-Dichloroethene	4.110	96	121367	49.676	ug/l	97
13) Acrolein	3.975	56	79941	174.261	ug/l	97
14) Allyl chloride	4.757	41	274019	53.240	ug/l #	90
15) Acrylonitrile	5.469	53	558230	298.781	ug/l	99
16) Acetone	4.216	43	489130	290.847	ug/l	94
17) Carbon Disulfide	4.457	76	264965	41.825	ug/l	97
18) Methyl Acetate	4.769	43	296935	63.005	ug/l #	88
19) Methyl tert-butyl Ether	5.528	73	486947	54.686	ug/l	98
20) Methylene Chloride	5.010	84	153212	51.839	ug/l #	88
21) trans-1,2-Dichloroethene	5.504	96	127481	49.937	ug/l	95
22) Diisopropyl ether	6.404	45	559954	58.304	ug/l	94
23) Vinyl Acetate	6.345	43	2402736	279.427	ug/l #	93
24) 1,1-Dichloroethane	6.298	63	277549	55.844	ug/l	99
25) 2-Butanone	7.251	43	800577	299.000	ug/l	90
26) 2,2-Dichloropropane	7.239	77	221813	48.255	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	159724	51.666	ug/l	94
28) Bromochloromethane	7.581	49	123846	59.499	ug/l #	79
29) Tetrahydrofuran	7.604	42	537295	293.067	ug/l #	84
30) Chloroform	7.739	83	282123	56.359	ug/l	99
31) Cyclohexane	8.016	56	232363	47.355	ug/l	87
32) 1,1,1-Trichloroethane	7.939	97	236045	52.913	ug/l	100
36) 1,1-Dichloropropene	8.145	75	189183	53.061	ug/l	98
37) Ethyl Acetate	7.333	43	315447	58.555	ug/l #	94
38) Carbon Tetrachloride	8.133	117	191469	51.930	ug/l	100
39) Methylcyclohexane	9.392	83	227837	51.328	ug/l	93
40) Benzene	8.386	78	605338	55.014	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	156333	59.836	ug/l #	84
42) 1,2-Dichloroethane	8.457	62	223343	55.995	ug/l	98
43) Isopropyl Acetate	8.492	43	457288	59.064	ug/l #	92
44) Trichloroethene	9.145	130	142209	50.787	ug/l	92
45) 1,2-Dichloropropane	9.422	63	167388	59.685	ug/l	99
46) Dibromomethane	9.510	93	105228	55.260	ug/l	91
47) Bromodichloromethane	9.698	83	217610	59.003	ug/l	98
48) Methyl methacrylate	9.492	41	201749	56.279	ug/l	91
49) 1,4-Dioxane	9.504	88	79469	1167.757	ug/l #	91
51) 4-Methyl-2-Pentanone	10.269	43	1557160	317.152	ug/l	90
52) Toluene	10.439	92	367895	54.102	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	231633	57.051	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	249040	56.816	ug/l #	91
55) 1,1,2-Trichloroethane	10.833	97	156297	55.831	ug/l	98
56) Ethyl methacrylate	10.698	69	259116	57.266	ug/l #	85
57) 1,3-Dichloropropane	10.980	76	275249	57.356	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	589769	292.257	ug/l	93
59) 2-Hexanone	11.021	43	1179762	315.224	ug/l	88
60) Dibromochloromethane	11.174	129	160916	60.289	ug/l	100
61) 1,2-Dibromoethane	11.280	107	158562	56.706	ug/l	99
64) Tetrachloroethene	10.910	164	131464	49.124	ug/l	94
65) Chlorobenzene	11.710	112	384976	51.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	147630	54.150	ug/l	97
67) Ethyl Benzene	11.780	91	724385	53.832	ug/l	98
68) m/p-Xylenes	11.892	106	543347	106.990	ug/l	95
69) o-Xylene	12.221	106	270800	52.233	ug/l	96
70) Styrene	12.233	104	450577	56.292	ug/l	99
71) Bromoform	12.398	173	113570	56.930	ug/l	100
73) Isopropylbenzene	12.515	105	713851	52.329	ug/l	98
74) N-amyl acetate	12.327	43	360207	52.734	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.768	83	247981	54.781	ug/l	98
76) 1,2,3-Trichloropropane	12.815	75	214463m	51.920	ug/l	
77) Bromobenzene	12.798	156	158869	50.090	ug/l	83
78) n-propylbenzene	12.857	91	843439	55.655	ug/l	97
79) 2-Chlorotoluene	12.945	91	502404	52.380	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	594082	53.429	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.563	75	81123	53.860	ug/l	92
82) 4-Chlorotoluene	13.045	91	497803	53.609	ug/l	96
83) tert-Butylbenzene	13.263	119	519922	52.157	ug/l	96
84) 1,2,4-Trimethylbenzene	13.304	105	597572	53.829	ug/l	97
85) sec-Butylbenzene	13.439	105	752089	56.187	ug/l	98
86) p-Isopropyltoluene	13.551	119	609741	56.390	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	296021	52.025	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	295133	51.769	ug/l	97
89) n-Butylbenzene	13.880	91	528078	58.608	ug/l	98
90) Hexachloroethane	14.145	117	106511	52.856	ug/l	85
91) 1,2-Dichlorobenzene	13.921	146	303911	52.433	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	57118	51.913	ug/l	90
93) 1,2,4-Trichlorobenzene	15.192	180	160163	53.069	ug/l	98
94) Hexachlorobutadiene	15.298	225	70598	52.621	ug/l	98
95) Naphthalene	15.433	128	602579	49.492	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	167068	53.663	ug/l	97

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

