

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080422\
 Data File : VN073727.D
 Acq On : 04 Aug 2022 10:58
 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 08/05/2022
 Supervised By : Mahesh Dadoda 08/05/2022

Quant Time: Aug 05 00:23:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	369148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	572985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	543050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	278604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	211575	47.031	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.060%			
35) Dibromofluoromethane	7.951	113	185645	51.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.200%			
50) Toluene-d8	10.380	98	731190	51.643	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.280%			
62) 4-Bromofluorobenzene	12.668	95	241115	50.812	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	158338	44.223	ug/l	98
3) Chloromethane	2.269	50	211582	49.123	ug/l	99
4) Vinyl Chloride	2.404	62	270646	43.220	ug/l	100
5) Bromomethane	2.781	94	186100	51.242	ug/l	100
6) Chloroethane	2.951	64	195827	53.777	ug/l	99
7) Trichlorofluoromethane	3.310	101	300953	46.633	ug/l	99
8) Diethyl Ether	3.763	74	115268	47.567	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.140	101	183537	51.402	ug/l	99
10) Methyl Iodide	4.345	142	166294	45.812	ug/l	98
11) Tert butyl alcohol	5.281	59	216312	222.956	ug/l	100
12) 1,1-Dichloroethene	4.104	96	169246	48.323	ug/l	98
13) Acrolein	3.975	56	321813	334.577	ug/l	98
14) Allyl chloride	4.757	41	267535	47.778	ug/l	97
15) Acrylonitrile	5.469	53	658888	245.510	ug/l	99
16) Acetone	4.216	43	674318	279.074	ug/l	99
17) Carbon Disulfide	4.451	76	426582	45.935	ug/l	100
18) Methyl Acetate	4.769	43	294866	49.051	ug/l	99
19) Methyl tert-butyl Ether	5.528	73	621220	51.920	ug/l	100
20) Methylene Chloride	5.004	84	212590	54.589	ug/l	98
21) trans-1,2-Dichloroethene	5.510	96	189910	50.091	ug/l	97
22) Diisopropyl ether	6.404	45	622945	51.566	ug/l	98
23) Vinyl Acetate	6.345	43	2683502	264.945	ug/l	100
24) 1,1-Dichloroethane	6.304	63	362040	48.713	ug/l	98
25) 2-Butanone	7.251	43	974092	259.591	ug/l	100
26) 2,2-Dichloropropane	7.245	77	301029	52.646	ug/l	100
27) cis-1,2-Dichloroethene	7.239	96	233246	49.933	ug/l	97
28) Bromochloromethane	7.581	49	145831	46.732	ug/l	99
29) Tetrahydrofuran	7.604	42	583198	245.820	ug/l	99
30) Chloroform	7.745	83	392037	50.629	ug/l	98
31) Cyclohexane	8.016	56	321332	47.978	ug/l	96
32) 1,1,1-Trichloroethane	7.939	97	328220	51.049	ug/l	99
36) 1,1-Dichloropropene	8.145	75	277753	54.164	ug/l	100
37) Ethyl Acetate	7.328	43	345384	51.142	ug/l	98
38) Carbon Tetrachloride	8.128	117	286474	55.004	ug/l	98
39) Methylcyclohexane	9.392	83	351033	57.285	ug/l	98
40) Benzene	8.386	78	884356	53.108	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	164169	53.721	ug/l	96
42) 1,2-Dichloroethane	8.463	62	293957	52.379	ug/l	99
43) Isopropyl Acetate	8.492	43	497869	54.581	ug/l	99
44) Trichloroethene	9.145	130	227135	53.788	ug/l	99
45) 1,2-Dichloropropane	9.422	63	223635	53.730	ug/l	99
46) Dibromomethane	9.510	93	155986	53.997	ug/l	100
47) Bromodichloromethane	9.698	83	308411	55.625	ug/l	100
48) Methyl methacrylate	9.492	41	237005	59.358	ug/l	99
49) 1,4-Dioxane	9.504	88	115946	1030.150	ug/l	96
51) 4-Methyl-2-Pentanone	10.269	43	1805450	275.960	ug/l	99
52) Toluene	10.439	92	569225	55.964	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	321951	58.779	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	356423	57.745	ug/l	98
55) 1,1,2-Trichloroethane	10.839	97	237445	55.982	ug/l	98
56) Ethyl methacrylate	10.698	69	357321	61.124	ug/l	99
57) 1,3-Dichloropropane	10.986	76	395185	54.915	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	740874	239.912	ug/l	98
59) 2-Hexanone	11.027	43	1419980	286.470	ug/l	99
60) Dibromochloromethane	11.174	129	247979	58.769	ug/l	98
61) 1,2-Dibromoethane	11.286	107	243149	55.661	ug/l	100
64) Tetrachloroethene	10.916	164	217767	50.458	ug/l	98
65) Chlorobenzene	11.710	112	620563	53.799	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	234648	56.716	ug/l	99
67) Ethyl Benzene	11.786	91	1109533	57.017	ug/l	100
68) m/p-Xylenes	11.892	106	870704	117.314	ug/l	100
69) o-Xylene	12.221	106	429469	59.352	ug/l	98
70) Styrene	12.233	104	712334	61.498	ug/l	98
71) Bromoform	12.398	173	200786	58.796	ug/l #	99
73) Isopropylbenzene	12.521	105	1119771	54.905	ug/l	100
74) N-amyl acetate	12.327	43	407751	52.916	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	375201	47.675	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	264631m	51.977	ug/l	
77) Bromobenzene	12.798	156	274293	51.646	ug/l	98
78) n-propylbenzene	12.857	91	1302948	56.779	ug/l	100
79) 2-Chlorotoluene	12.945	91	756506	52.820	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	941886	56.120	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.568	75	116205	54.053	ug/l	98
82) 4-Chlorotoluene	13.045	91	732432	53.957	ug/l	97
83) tert-Butylbenzene	13.262	119	817144	54.967	ug/l	100
84) 1,2,4-Trimethylbenzene	13.310	105	943576	57.176	ug/l	99
85) sec-Butylbenzene	13.439	105	1186854	57.764	ug/l	99
86) p-Isopropyltoluene	13.557	119	996603	61.529	ug/l	99
87) 1,3-Dichlorobenzene	13.551	146	512082	52.822	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	508074	52.380	ug/l	98
89) n-Butylbenzene	13.880	91	822610	62.418	ug/l	99
90) Hexachloroethane	14.151	117	175110	54.490	ug/l	96
91) 1,2-Dichlorobenzene	13.927	146	514544	52.378	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	79815	50.476	ug/l	95
93) 1,2,4-Trichlorobenzene	15.198	180	294090	60.284	ug/l	99
94) Hexachlorobutadiene	15.304	225	151891	57.271	ug/l	99
95) Naphthalene	15.433	128	917159	57.935	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	296566	57.760	ug/l	99

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

