

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081722\
 Data File : VN073965.D
 Acq On : 17 Aug 2022 10:11
 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 08/17/2022
 Supervised By : Mahesh Dadoda 08/18/2022

Quant Time: Aug 17 15:29:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	600964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	900717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	841956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	440400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	316338	54.044	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.080%			
35) Dibromofluoromethane	7.951	113	278410	52.266	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.540%			
50) Toluene-d8	10.380	98	1047099	50.756	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.520%			
62) 4-Bromofluorobenzene	12.668	95	377171	55.088	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	223157	46.831	ug/l	98
3) Chloromethane	2.269	50	253211	47.785	ug/l	100
4) Vinyl Chloride	2.404	62	304357	44.741	ug/l	99
5) Bromomethane	2.787	94	217180	51.125	ug/l	99
6) Chloroethane	2.957	64	208044	43.291	ug/l	100
7) Trichlorofluoromethane	3.310	101	398528	45.415	ug/l	99
8) Diethyl Ether	3.763	74	172927	53.086	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.140	101	236780	46.448	ug/l	93
10) Methyl Iodide	4.345	142	256419	41.898	ug/l	98
11) Tert butyl alcohol	5.281	59	329240	251.461	ug/l	98
12) 1,1-Dichloroethene	4.110	96	220997	46.594	ug/l	90
13) Acrolein	3.975	56	272008	296.803	ug/l	97
14) Allyl chloride	4.757	41	356029	50.684	ug/l	99
15) Acrylonitrile	5.469	53	859594	268.912	ug/l	99
16) Acetone	4.216	43	698469	252.927	ug/l	98
17) Carbon Disulfide	4.457	76	516194	45.771	ug/l	100
18) Methyl Acetate	4.769	43	401959	58.681	ug/l	98
19) Methyl tert-butyl Ether	5.528	73	923650	54.071	ug/l	97
20) Methylene Chloride	5.010	84	285989	49.078	ug/l	99
21) trans-1,2-Dichloroethene	5.510	96	249729	47.791	ug/l	93
22) Diisopropyl ether	6.410	45	805187	54.063	ug/l	96
23) Vinyl Acetate	6.345	43	3623268	283.886	ug/l	98
24) 1,1-Dichloroethane	6.298	63	463618	50.009	ug/l	99
25) 2-Butanone	7.257	43	1156687	264.162	ug/l	99
26) 2,2-Dichloropropane	7.245	77	405954	46.608	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	328552	50.961	ug/l	93
28) Bromochloromethane	7.580	49	183448	53.652	ug/l	88
29) Tetrahydrofuran	7.604	42	749424	266.808	ug/l	96
30) Chloroform	7.745	83	521351	50.292	ug/l	97
31) Cyclohexane	8.022	56	374684	45.918	ug/l	95
32) 1,1,1-Trichloroethane	7.939	97	441448	48.020	ug/l	97
36) 1,1-Dichloropropene	8.145	75	343923	46.484	ug/l	98
37) Ethyl Acetate	7.333	43	459586	51.274	ug/l	99
38) Carbon Tetrachloride	8.133	117	383053	45.295	ug/l	97
39) Methylcyclohexane	9.392	83	440442	47.509	ug/l	95
40) Benzene	8.386	78	1130634	48.418	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	216722	53.502	ug/l	96
42) 1,2-Dichloroethane	8.463	62	409634	51.018	ug/l	98
43) Isopropyl Acetate	8.492	43	681408	53.364	ug/l	98
44) Trichloroethene	9.145	130	312942	46.399	ug/l	96
45) 1,2-Dichloropropane	9.427	63	286303	51.152	ug/l	98
46) Dibromomethane	9.510	93	217755	51.172	ug/l	93
47) Bromodichloromethane	9.698	83	421719	51.851	ug/l	99
48) Methyl methacrylate	9.498	41	301000	55.090	ug/l	90
49) 1,4-Dioxane	9.504	88	157834	971.405	ug/l	93
51) 4-Methyl-2-Pentanone	10.269	43	2317584	268.450	ug/l	99
52) Toluene	10.445	92	749465	46.805	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	464479	54.423	ug/l	100
54) cis-1,3-Dichloropropene	10.127	75	496062	53.122	ug/l	97
55) 1,1,2-Trichloroethane	10.839	97	324082	52.030	ug/l	97
56) Ethyl methacrylate	10.698	69	515676	58.047	ug/l	95
57) 1,3-Dichloropropane	10.986	76	536651	52.990	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	1128842	272.260	ug/l	96
59) 2-Hexanone	11.021	43	1795606	270.252	ug/l	99
60) Dibromochloromethane	11.180	129	364593	52.931	ug/l	99
61) 1,2-Dibromoethane	11.286	107	345457	51.854	ug/l	98
64) Tetrachloroethene	10.916	164	281885	42.418	ug/l	98
65) Chlorobenzene	11.710	112	860167	48.071	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	337218	49.767	ug/l	98
67) Ethyl Benzene	11.786	91	1441560	48.443	ug/l	99
68) m/p-Xylenes	11.892	106	1157633	95.744	ug/l	98
69) o-Xylene	12.221	106	587829	48.481	ug/l	96
70) Styrene	12.233	104	970828	51.144	ug/l	98
71) Bromoform	12.398	173	308870	51.056	ug/l	99
73) Isopropylbenzene	12.521	105	1474376	45.976	ug/l	99
74) N-amyl acetate	12.327	43	579559	47.806	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.768	83	515852	47.936	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	434975m	47.519	ug/l	
77) Bromobenzene	12.798	156	405112	46.671	ug/l	92
78) n-propylbenzene	12.863	91	1637635	47.907	ug/l	98
79) 2-Chlorotoluene	12.945	91	1010538	47.438	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	1247575	47.829	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.568	75	166019	51.585	ug/l	95
82) 4-Chlorotoluene	13.045	91	996425	49.248	ug/l	97
83) tert-Butylbenzene	13.262	119	1113695	46.398	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	1284352	49.307	ug/l	100
85) sec-Butylbenzene	13.439	105	1511054	48.565	ug/l	98
86) p-Isopropyltoluene	13.557	119	1334005	50.328	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	734930	48.822	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	724046	47.461	ug/l	99
89) n-Butylbenzene	13.880	91	1027470	48.939	ug/l	99
90) Hexachloroethane	14.151	117	231342	47.748	ug/l	89
91) 1,2-Dichlorobenzene	13.927	146	739656	47.583	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.539	75	119235	46.926	ug/l	86
93) 1,2,4-Trichlorobenzene	15.198	180	481464	50.890	ug/l	99
94) Hexachlorobutadiene	15.304	225	226951	45.507	ug/l	98
95) Naphthalene	15.433	128	1596941	51.775	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	495569	50.677	ug/l	99

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

