

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022423\
 Data File : VN076812.D
 Acq On : 24 Feb 2023 16:37
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/27/2023
 Supervised By : Mahesh Dadoda 02/27/2023

Quant Time: Feb 25 01:47:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	301027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	548651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	528915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	277520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	225151	54.165	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.340%			
35) Dibromofluoromethane	8.172	113	173684	48.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.680%			
50) Toluene-d8	10.572	98	709731	52.893	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.848	95	252411	56.796	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	139970	43.790	ug/l	98
3) Chloromethane	2.378	50	173042	41.494	ug/l	95
4) Vinyl Chloride	2.525	62	181643	44.257	ug/l	91
5) Bromomethane	2.949	94	112791	45.354	ug/l	91
6) Chloroethane	3.119	64	131918	50.858	ug/l	90
7) Trichlorofluoromethane	3.507	101	253465	45.388	ug/l	96
8) Diethyl Ether	3.972	74	108409	50.379	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.378	101	157104	47.879	ug/l	98
10) Methyl Iodide	4.595	142	212027	52.324	ug/l	98
11) Tert butyl alcohol	5.531	59	141396	257.704	ug/l	98
12) 1,1-Dichloroethene	4.354	96	142116	45.738	ug/l #	85
13) Acrolein	4.190	56	208173	252.719	ug/l	99
14) Allyl chloride	5.037	41	269776	50.109	ug/l	99
15) Acrylonitrile	5.725	53	485698	249.432	ug/l	99
16) Acetone	4.431	43	484520	260.948	ug/l	91
17) Carbon Disulfide	4.725	76	330823	40.326	ug/l	97
18) Methyl Acetate	5.031	43	312548	51.569	ug/l	100
19) Methyl tert-butyl Ether	5.801	73	567629	54.186	ug/l	96
20) Methylene Chloride	5.284	84	182676	46.943	ug/l	97
21) trans-1,2-Dichloroethene	5.795	96	159465	45.592	ug/l	93
22) Diisopropyl ether	6.678	45	710047	56.230	ug/l	98
23) Vinyl Acetate	6.613	43	2277109	304.783	ug/l	98
24) 1,1-Dichloroethane	6.578	63	345332	49.900	ug/l	96
25) 2-Butanone	7.489	43	718399	262.298	ug/l	99
26) 2,2-Dichloropropane	7.495	77	274078	54.906	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	200596	48.354	ug/l	92
28) Bromochloromethane	7.819	49	177763	53.969	ug/l	91
29) Tetrahydrofuran	7.836	42	461072	257.662	ug/l	100
30) Chloroform	7.966	83	356214	51.517	ug/l	99
31) Cyclohexane	8.260	56	307706	47.191	ug/l	93
32) 1,1,1-Trichloroethane	8.172	97	298465	51.338	ug/l	97
36) 1,1-Dichloropropene	8.378	75	251751	48.495	ug/l	99
37) Ethyl Acetate	7.566	43	281432	51.526	ug/l	98
38) Carbon Tetrachloride	8.366	117	250580	47.849	ug/l	95
39) Methylcyclohexane	9.607	83	307886	52.176	ug/l	98
40) Benzene	8.613	78	799763	50.167	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	153111	48.389	ug/l	91
42) 1,2-Dichloroethane	8.672	62	285220	51.297	ug/l	99
43) Isopropyl Acetate	8.689	43	490448	55.182	ug/l	98
44) Trichloroethene	9.354	130	179806	47.728	ug/l	96
45) 1,2-Dichloropropane	9.625	63	219825	52.089	ug/l	99
46) Dibromomethane	9.713	93	140311	52.006	ug/l	95
47) Bromodichloromethane	9.889	83	280449	51.847	ug/l	99
48) Methyl methacrylate	9.683	41	225436	53.453	ug/l	97
49) 1,4-Dioxane	9.695	88	78424	1074.964	ug/l	96
51) 4-Methyl-2-Pentanone	10.448	43	1522209	269.185	ug/l	99
52) Toluene	10.630	92	520616	54.090	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	300923	57.638	ug/l	94
54) cis-1,3-Dichloropropene	10.313	75	327104	54.316	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	206646	52.799	ug/l	96
56) Ethyl methacrylate	10.877	69	318608	57.834	ug/l	96
57) 1,3-Dichloropropane	11.166	76	354635	52.741	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	691202	273.962	ug/l	97
59) 2-Hexanone	11.195	43	1128161	276.689	ug/l	99
60) Dibromochloromethane	11.360	129	218410	52.950	ug/l	100
61) 1,2-Dibromoethane	11.472	107	202463	51.681	ug/l	98
64) Tetrachloroethene	11.107	164	153962	46.191	ug/l	97
65) Chlorobenzene	11.895	112	553430	49.373	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.960	131	205822	50.552	ug/l	98
67) Ethyl Benzene	11.966	91	1004485	52.600	ug/l	100
68) m/p-Xylenes	12.077	106	785885	106.765	ug/l	97
69) o-Xylene	12.401	106	388741	54.150	ug/l	99
70) Styrene	12.413	104	656745	56.572	ug/l	99
71) Bromoform	12.577	173	155561	52.088	ug/l #	97
73) Isopropylbenzene	12.695	105	1029316	50.603	ug/l	99
74) N-amyl acetate	12.495	43	440149	48.006	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.942	83	328408	44.602	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	268714m	47.893	ug/l	
77) Bromobenzene	12.983	156	239765	47.244	ug/l	99
78) n-propylbenzene	13.036	91	1246119	52.170	ug/l	100
79) 2-Chlorotoluene	13.124	91	727137	49.718	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	877300	52.187	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.736	75	105422	54.726	ug/l #	81
82) 4-Chlorotoluene	13.124	91	727137	49.718	ug/l	98
83) tert-Butylbenzene	13.442	119	785243	51.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	880287	52.542	ug/l	99
85) sec-Butylbenzene	13.618	105	1144484	53.903	ug/l	98
86) p-Isopropyltoluene	13.730	119	950884	56.084	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	478328	49.860	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	477210	49.952	ug/l	99
89) n-Butylbenzene	14.060	91	835131	56.634	ug/l	99
90) Hexachloroethane	14.336	117	167333	47.136	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	479567	48.761	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	59541	41.739	ug/l	96
93) 1,2,4-Trichlorobenzene	15.395	180	252358	51.439	ug/l	97
94) Hexachlorobutadiene	15.507	225	121363	50.474	ug/l	98
95) Naphthalene	15.642	128	769865	51.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	242038	50.923	ug/l	98

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

