

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
 Data File : VN076995.D
 Acq On : 14 Mar 2023 20:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/15/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 04:30:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	257644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	376056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	333183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	173182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	218296	56.778	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.560%			
35) Dibromofluoromethane	8.172	113	141715	56.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.080%			
50) Toluene-d8	10.572	98	475012	51.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.854	95	195376	57.828	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	178892	38.549	ug/l	100
3) Chloromethane	2.378	50	62046	24.707	ug/l	99
4) Vinyl Chloride	2.531	62	77255	33.142	ug/l	96
5) Bromomethane	2.949	94	72350	42.197	ug/l	90
6) Chloroethane	3.125	64	52622	35.561	ug/l	93
7) Trichlorofluoromethane	3.507	101	307915	50.909	ug/l	96
8) Diethyl Ether	3.978	74	69477	35.703	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.384	101	121510	39.322	ug/l	90
10) Methyl Iodide	4.601	142	148109	45.793	ug/l #	78
11) Tert butyl alcohol	5.537	59	120902	226.051	ug/l	99
12) 1,1-Dichloroethene	4.354	96	106201	37.292	ug/l	88
13) Acrolein	4.190	56	86620	180.179	ug/l	99
14) Allyl chloride	5.037	41	120004	29.373	ug/l #	81
15) Acrylonitrile	5.731	53	232927	154.097	ug/l	96
16) Acetone	4.443	43	239926	180.087	ug/l #	84
17) Carbon Disulfide	4.725	76	268806	34.074	ug/l	99
18) Methyl Acetate	5.031	43	146840	29.885	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	451124	44.550	ug/l	94
20) Methylene Chloride	5.295	84	117698	34.358	ug/l	95
21) trans-1,2-Dichloroethene	5.801	96	115279	38.183	ug/l	90
22) Diisopropyl ether	6.684	45	271651	30.055	ug/l #	89
23) Vinyl Acetate	6.619	43	972502	174.719	ug/l	98
24) 1,1-Dichloroethane	6.578	63	210272	36.420	ug/l	97
25) 2-Butanone	7.489	43	308724	162.930	ug/l	91
26) 2,2-Dichloropropane	7.501	77	244261	47.807	ug/l	93
27) cis-1,2-Dichloroethene	7.495	96	136446	39.166	ug/l	87
28) Bromochloromethane	7.819	49	67351	32.249	ug/l	85
29) Tetrahydrofuran	7.848	42	180933	154.056	ug/l	99
30) Chloroform	7.972	83	277390	44.715	ug/l	99
31) Cyclohexane	8.266	56	162827	29.518	ug/l	97
32) 1,1,1-Trichloroethane	8.172	97	311502	53.559	ug/l	97
36) 1,1-Dichloropropene	8.378	75	184229	47.528	ug/l	95
37) Ethyl Acetate	7.572	43	125509	40.489	ug/l #	95
38) Carbon Tetrachloride	8.372	117	294213	64.852	ug/l	99
39) Methylcyclohexane	9.601	83	206386	43.862	ug/l	91
40) Benzene	8.613	78	468761	41.027	ug/l	99

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41) Methacrylonitrile	7.789	41	69954	37.924	ug/l #	87
42) 1,2-Dichloroethane	8.678	62	253849	56.959	ug/l	89
43) Isopropyl Acetate	8.695	43	286855	52.421	ug/l #	86
44) Trichloroethene	9.354	130	138524	46.912	ug/l	98
45) 1,2-Dichloropropane	9.625	63	103522	36.825	ug/l	100
46) Dibromomethane	9.713	93	95691	48.739	ug/l	91
47) Bromodichloromethane	9.895	83	229047	54.991	ug/l	97
48) Methyl methacrylate	9.683	41	115956	43.248	ug/l #	80
49) 1,4-Dioxane	9.695	88	47980	945.074	ug/l #	91
51) 4-Methyl-2-Pentanone	10.448	43	644925	196.192	ug/l	95
52) Toluene	10.636	92	324773	46.184	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	221683	53.385	ug/l	97
54) cis-1,3-Dichloropropene	10.319	75	211018	46.273	ug/l #	84
55) 1,1,2-Trichloroethane	11.019	97	122735	44.859	ug/l	95
56) Ethyl methacrylate	10.877	69	187716	45.234	ug/l #	78
57) 1,3-Dichloropropane	11.166	76	212236	43.991	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	282301	213.623	ug/l	93
59) 2-Hexanone	11.201	43	494386	206.268	ug/l	89
60) Dibromochloromethane	11.360	129	172434	57.204	ug/l	100
61) 1,2-Dibromoethane	11.472	107	134281	48.967	ug/l	99
64) Tetrachloroethene	11.107	164	127292	47.205	ug/l	99
65) Chlorobenzene	11.895	112	359538	48.243	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.960	131	165303	56.817	ug/l	93
67) Ethyl Benzene	11.966	91	691146	50.433	ug/l	96
68) m/p-Xylenes	12.072	106	518549	100.674	ug/l	84
69) o-Xylene	12.401	106	253102	50.615	ug/l	77
70) Styrene	12.413	104	414960	51.366	ug/l #	87
71) Bromoform	12.583	173	131889	62.553	ug/l #	97
73) Isopropylbenzene	12.695	105	721814	46.775	ug/l	95
74) N-amyl acetate	12.495	43	196909	38.539	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.942	83	164451	36.217	ug/l	97
76) 1,2,3-Trichloropropane	12.995	75	197908m	47.136	ug/l	
77) Bromobenzene	12.983	156	167185	48.462	ug/l	97
78) n-propylbenzene	13.036	91	791484	46.059	ug/l	97
79) 2-Chlorotoluene	13.124	91	502968	45.135	ug/l	93
80) 1,3,5-Trimethylbenzene	13.177	105	653957	49.749	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.742	75	52680	40.984	ug/l #	58
82) 4-Chlorotoluene	13.224	91	494894	46.999	ug/l	93
83) tert-Butylbenzene	13.442	119	561170	50.250	ug/l	86
84) 1,2,4-Trimethylbenzene	13.483	105	645867	49.110	ug/l	91
85) sec-Butylbenzene	13.618	105	730906	47.748	ug/l	100
86) p-Isopropyltoluene	13.730	119	659195	53.327	ug/l	90
87) 1,3-Dichlorobenzene	13.736	146	313918	49.928	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	301728	47.839	ug/l	96
89) n-Butylbenzene	14.060	91	506257	49.078	ug/l	98
90) Hexachloroethane	14.336	117	117449	49.446	ug/l	69
91) 1,2-Dichlorobenzene	14.107	146	305185	48.318	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	53519	53.385	ug/l	82
93) 1,2,4-Trichlorobenzene	15.395	180	191878	54.652	ug/l	96
94) Hexachlorobutadiene	15.501	225	117322	62.721	ug/l	98
95) Naphthalene	15.642	128	544228	52.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	184858	54.222	ug/l	100

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

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