

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
 Data File : VN076977.D
 Acq On : 14 Mar 2023 12:33
 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 03/15/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 04:19:09 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	295359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	443934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	397804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	203392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	183311	41.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.180%		
35) Dibromofluoromethane	8.172	113	124277	42.004	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.000%		
50) Toluene-d8	10.572	98	441237	40.465	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	80.940%#		
62) 4-Bromofluorobenzene	12.854	95	181094	45.405	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	256825	48.275	ug/l	98
3) Chloromethane	2.378	50	97891	34.003	ug/l	98
4) Vinyl Chloride	2.525	62	117059	43.806	ug/l	99
5) Bromomethane	2.949	94	101237	51.505	ug/l	99
6) Chloroethane	3.119	64	76605	45.158	ug/l	96
7) Trichlorofluoromethane	3.507	101	408607	58.931	ug/l	99
8) Diethyl Ether	3.972	74	101867	45.663	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.384	101	175072	49.421	ug/l	92
10) Methyl Iodide	4.601	142	203844	54.978	ug/l #	76
11) Tert butyl alcohol	5.531	59	155675	253.900	ug/l	98
12) 1,1-Dichloroethene	4.354	96	158995	48.701	ug/l	90
13) Acrolein	4.190	56	131041	237.773	ug/l	99
14) Allyl chloride	5.037	41	186538	39.828	ug/l	86
15) Acrylonitrile	5.725	53	336585	194.240	ug/l	96
16) Acetone	4.437	43	452483	296.263	ug/l #	86
17) Carbon Disulfide	4.725	76	410128	45.350	ug/l	99
18) Methyl Acetate	5.031	43	209542	37.201	ug/l	97
19) Methyl tert-butyl Ether	5.807	73	621993	53.580	ug/l	95
20) Methylene Chloride	5.290	84	168853	42.997	ug/l	92
21) trans-1,2-Dichloroethene	5.801	96	167664	48.443	ug/l	89
22) Diisopropyl ether	6.684	45	410137	39.582	ug/l	94
23) Vinyl Acetate	6.613	43	1420101	222.556	ug/l	97
24) 1,1-Dichloroethane	6.578	63	303675	45.882	ug/l	97
25) 2-Butanone	7.490	43	461554	212.483	ug/l	93
26) 2,2-Dichloropropane	7.501	77	360062	61.473	ug/l	92
27) cis-1,2-Dichloroethene	7.495	96	198348	49.664	ug/l	88
28) Bromochloromethane	7.819	49	94003	39.263	ug/l	94
29) Tetrahydrofuran	7.842	42	254822	189.264	ug/l	99
30) Chloroform	7.972	83	385202	54.165	ug/l	99
31) Cyclohexane	8.266	56	248735	39.334	ug/l	93
32) 1,1,1-Trichloroethane	8.178	97	412769	61.908	ug/l	96
36) 1,1-Dichloropropene	8.378	75	264369	57.774	ug/l	96
37) Ethyl Acetate	7.566	43	171106	46.758	ug/l	96
38) Carbon Tetrachloride	8.366	117	380603	71.067	ug/l	97
39) Methylcyclohexane	9.607	83	312081	56.183	ug/l	91
40) Benzene	8.613	78	699613	51.869	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	95675	43.937	ug/l #	89
42) 1,2-Dichloroethane	8.678	62	336207	63.904	ug/l	91
43) Isopropyl Acetate	8.695	43	319782	49.503	ug/l	95
44) Trichloroethene	9.354	130	201809	57.894	ug/l	100
45) 1,2-Dichloropropane	9.625	63	152511	45.956	ug/l	92
46) Dibromomethane	9.713	93	133459	57.582	ug/l	92
47) Bromodichloromethane	9.889	83	313342	63.727	ug/l	97
48) Methyl methacrylate	9.684	41	160026	50.559	ug/l	84
49) 1,4-Dioxane	9.695	88	65174	1087.462	ug/l #	93
51) 4-Methyl-2-Pentanone	10.448	43	899362	231.762	ug/l	95
52) Toluene	10.631	92	474944	57.213	ug/l	96
53) t-1,3-Dichloropropene	10.836	75	316879	64.642	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	310512	57.679	ug/l #	86
55) 1,1,2-Trichloroethane	11.019	97	172153	53.300	ug/l	98
56) Ethyl methacrylate	10.878	69	273589	55.846	ug/l #	85
57) 1,3-Dichloropropane	11.166	76	300654	52.789	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	423199	271.278	ug/l	95
59) 2-Hexanone	11.195	43	706253	249.609	ug/l	90
60) Dibromochloromethane	11.360	129	233129	65.513	ug/l	98
61) 1,2-Dibromoethane	11.472	107	184552	57.009	ug/l	99
64) Tetrachloroethene	11.107	164	219915	68.305	ug/l	98
65) Chlorobenzene	11.895	112	502447	56.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	218725	62.967	ug/l	94
67) Ethyl Benzene	11.966	91	976797	59.699	ug/l	96
68) m/p-Xylenes	12.072	106	723251	117.606	ug/l	82
69) o-Xylene	12.401	106	354083	59.307	ug/l	79
70) Styrene	12.413	104	591966	61.374	ug/l #	89
71) Bromoform	12.577	173	172043	68.343	ug/l #	99
73) Isopropylbenzene	12.695	105	1001940	55.284	ug/l	95
74) N-amyl acetate	12.495	43	271274	45.208	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.942	83	214528	40.228	ug/l	97
76) 1,2,3-Trichloropropane	12.995	75	240342m	48.740	ug/l	
77) Bromobenzene	12.983	156	226620	55.933	ug/l	99
78) n-propylbenzene	13.036	91	1130584	56.020	ug/l	97
79) 2-Chlorotoluene	13.130	91	704425	53.824	ug/l	93
80) 1,3,5-Trimethylbenzene	13.177	105	904967	58.618	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.736	75	79286	52.521	ug/l #	82
82) 4-Chlorotoluene	13.224	91	701425	56.719	ug/l	92
83) tert-Butylbenzene	13.442	119	783950	59.772	ug/l	89
84) 1,2,4-Trimethylbenzene	13.483	105	898975	58.202	ug/l	91
85) sec-Butylbenzene	13.619	105	1026273	57.085	ug/l	99
86) p-Isopropyltoluene	13.730	119	916435	63.125	ug/l	92
87) 1,3-Dichlorobenzene	13.736	146	429460	58.160	ug/l	97
88) 1,4-Dichlorobenzene	13.819	146	425306	57.417	ug/l	98
89) n-Butylbenzene	14.060	91	749044	61.829	ug/l	99
90) Hexachloroethane	14.336	117	160523	57.543	ug/l	76
91) 1,2-Dichlorobenzene	14.107	146	414202	55.838	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	67720	57.517	ug/l	81
93) 1,2,4-Trichlorobenzene	15.395	180	264736	64.204	ug/l	99
94) Hexachlorobutadiene	15.507	225	157822	71.840	ug/l	98
95) Naphthalene	15.642	128	731909	59.620	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	251317	62.767	ug/l	99

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

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