

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076630.D
 Acq On : 13 Feb 2023 15:48
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 14 05:22:04 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

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	354920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	618085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	576491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	290080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	233792	47.704	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.400%		
35) Dibromofluoromethane	8.172	113	188978	46.687	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.380%		
50) Toluene-d8	10.572	98	748783	49.534	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.060%		
62) 4-Bromofluorobenzene	12.854	95	263586	52.648	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	189800	50.363	ug/l	99
3) Chloromethane	2.372	50	219032	44.547	ug/l	96
4) Vinyl Chloride	2.525	62	235871	48.743	ug/l	99
5) Bromomethane	2.955	94	148199	50.543	ug/l	93
6) Chloroethane	3.125	64	149326	48.828	ug/l	96
7) Trichlorofluoromethane	3.507	101	310004	47.083	ug/l	98
8) Diethyl Ether	3.972	74	126538	49.875	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.384	101	191431	49.482	ug/l	98
10) Methyl Iodide	4.596	142	237360	49.682	ug/l	99
11) Tert butyl alcohol	5.531	59	163379	252.554	ug/l	99
12) 1,1-Dichloroethene	4.354	96	173442	47.344	ug/l	89
13) Acrolein	4.190	56	241047	248.194	ug/l	99
14) Allyl chloride	5.037	41	311310	49.044	ug/l	99
15) Acrylonitrile	5.731	53	576658	251.177	ug/l	99
16) Acetone	4.443	43	498713	227.808	ug/l	95
17) Carbon Disulfide	4.725	76	468674	48.454	ug/l	99
18) Methyl Acetate	5.037	43	351327	49.165	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	638185	51.671	ug/l	99
20) Methylene Chloride	5.284	84	210565	45.894	ug/l	97
21) trans-1,2-Dichloroethene	5.801	96	194512	47.168	ug/l	93
22) Diisopropyl ether	6.678	45	773906	51.981	ug/l	96
23) Vinyl Acetate	6.613	43	2634022	299.021	ug/l	99
24) 1,1-Dichloroethane	6.578	63	392237	48.071	ug/l	96
25) 2-Butanone	7.490	43	826784	256.033	ug/l	98
26) 2,2-Dichloropropane	7.495	77	309140	52.526	ug/l	96
27) cis-1,2-Dichloroethene	7.495	96	236109	48.273	ug/l	99
28) Bromochloromethane	7.819	49	188302	48.488	ug/l	97
29) Tetrahydrofuran	7.842	42	547114	259.319	ug/l	99
30) Chloroform	7.972	83	398176	48.841	ug/l	95
31) Cyclohexane	8.260	56	367425	47.793	ug/l	93
32) 1,1,1-Trichloroethane	8.178	97	338142	49.331	ug/l	97
36) 1,1-Dichloropropene	8.378	75	298156	50.982	ug/l	99
37) Ethyl Acetate	7.566	43	331870	53.935	ug/l	99
38) Carbon Tetrachloride	8.366	117	296371	50.235	ug/l	96
39) Methylcyclohexane	9.607	83	372906	56.096	ug/l	99
40) Benzene	8.613	78	913944	50.889	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	189777	53.239	ug/l	99
42) 1,2-Dichloroethane	8.678	62	302734	48.331	ug/l	100
43) Isopropyl Acetate	8.695	43	547514	54.682	ug/l	99
44) Trichloroethene	9.360	130	220813	52.029	ug/l	91
45) 1,2-Dichloropropane	9.625	63	240196	50.522	ug/l	96
46) Dibromomethane	9.713	93	157646	51.867	ug/l	99
47) Bromodichloromethane	9.889	83	317075	52.033	ug/l #	98
48) Methyl methacrylate	9.684	41	257529	54.202	ug/l	98
49) 1,4-Dioxane	9.695	88	91888	1118.025	ug/l #	81
51) 4-Methyl-2-Pentanone	10.448	43	1721868	270.287	ug/l	99
52) Toluene	10.631	92	584527	53.908	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	332186	56.478	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	363430	53.569	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	228170	51.750	ug/l	93
56) Ethyl methacrylate	10.878	69	352834	56.852	ug/l	97
57) 1,3-Dichloropropane	11.166	76	389236	51.384	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	821199	288.922	ug/l	100
59) 2-Hexanone	11.195	43	1257255	273.711	ug/l	100
60) Dibromochloromethane	11.360	129	241500	51.970	ug/l	100
61) 1,2-Dibromoethane	11.472	107	229198	51.934	ug/l	98
64) Tetrachloroethene	11.107	164	186824	51.424	ug/l	97
65) Chlorobenzene	11.895	112	608212	49.782	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.966	131	224153	50.511	ug/l	97
67) Ethyl Benzene	11.966	91	1105936	53.133	ug/l	98
68) m/p-Xylenes	12.077	106	860805	107.292	ug/l	96
69) o-Xylene	12.401	106	427615	54.649	ug/l	97
70) Styrene	12.413	104	713900	56.421	ug/l	100
71) Bromoform	12.583	173	175382	53.879	ug/l #	97
73) Isopropylbenzene	12.701	105	1105334	51.987	ug/l	100
74) N-amyl acetate	12.495	43	493527	51.497	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	344879	44.811	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	261465m	44.584	ug/l	
77) Bromobenzene	12.983	156	255612	48.186	ug/l	99
78) n-propylbenzene	13.036	91	1330350	53.285	ug/l	100
79) 2-Chlorotoluene	13.130	91	759163	49.661	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	940476	53.523	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	102395	50.853	ug/l	97
82) 4-Chlorotoluene	13.130	91	759163	49.661	ug/l	99
83) tert-Butylbenzene	13.442	119	824524	51.870	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	945575	53.995	ug/l	100
85) sec-Butylbenzene	13.619	105	1209650	54.506	ug/l	99
86) p-Isopropyltoluene	13.736	119	996370	56.223	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	497205	49.584	ug/l	100
88) 1,4-Dichlorobenzene	13.819	146	497638	49.835	ug/l	99
89) n-Butylbenzene	14.060	91	884532	57.387	ug/l	100
90) Hexachloroethane	14.336	117	178850	48.199	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	501590	48.792	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	68750	46.108	ug/l	98
93) 1,2,4-Trichlorobenzene	15.401	180	301481	58.792	ug/l	98
94) Hexachlorobutadiene	15.507	225	133387	53.073	ug/l	97
95) Naphthalene	15.648	128	968207	62.220	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	297245	59.831	ug/l	100

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

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