

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012023\
 Data File : VN076353.D
 Acq On : 20 Jan 2023 18:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 20 22:20:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/23/2023
 Supervised By : Mahesh Dadoda 01/25/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	413597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	667268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	609970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	292559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	244415	52.778	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.560%			
35) Dibromofluoromethane	8.171	113	222297	53.257	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.520%			
50) Toluene-d8	10.571	98	818226	53.079	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.160%			
62) 4-Bromofluorobenzene	12.853	95	286614	56.954	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	195802	46.197	ug/l	98
3) Chloromethane	2.371	50	198845	45.313	ug/l	95
4) Vinyl Chloride	2.530	62	270267	50.228	ug/l	100
5) Bromomethane	2.954	94	216656	49.168	ug/l	97
6) Chloroethane	3.124	64	199321	49.400	ug/l	99
7) Trichlorofluoromethane	3.506	101	344417	46.525	ug/l	92
8) Diethyl Ether	3.971	74	120020	48.337	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.389	101	187181	44.666	ug/l	98
10) Methyl Iodide	4.600	142	304115	47.509	ug/l	99
11) Tert butyl alcohol	5.536	59	146424	236.388	ug/l	100
12) 1,1-Dichloroethene	4.353	96	180681	45.609	ug/l	95
13) Acrolein	4.195	56	164990	222.727	ug/l	100
14) Allyl chloride	5.036	41	230994m	50.036	ug/l	
15) Acrylonitrile	5.730	53	415869	235.929	ug/l	100
16) Acetone	4.442	43	332635	224.057	ug/l	99
17) Carbon Disulfide	4.724	76	420753	42.656	ug/l	98
18) Methyl Acetate	5.036	43	227740	45.266	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	642543	49.822	ug/l	100
20) Methylene Chloride	5.283	84	215619	49.073	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	194245	45.261	ug/l	99
22) Diisopropyl ether	6.683	45	526520	48.362	ug/l	99
23) Vinyl Acetate	6.612	43	1748093	248.444	ug/l	99
24) 1,1-Dichloroethane	6.577	63	336023	46.303	ug/l	99
25) 2-Butanone	7.489	43	522358	230.382	ug/l	99
26) 2,2-Dichloropropane	7.500	77	271100	44.324	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	237077	47.364	ug/l	99
28) Bromochloromethane	7.818	49	146908	49.945	ug/l	100
29) Tetrahydrofuran	7.847	42	343220	245.266	ug/l	99
30) Chloroform	7.971	83	379764	47.294	ug/l	99
31) Cyclohexane	8.259	56	294455	41.391	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	349385	47.657	ug/l	95
36) 1,1-Dichloropropene	8.377	75	271551	45.783	ug/l	99
37) Ethyl Acetate	7.565	43	215175	45.233	ug/l	99
38) Carbon Tetrachloride	8.371	117	309685	46.821	ug/l	98
39) Methylcyclohexane	9.606	83	332913	45.963	ug/l	96
40) Benzene	8.612	78	818638	46.159	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	118672	47.641	ug/l	97
42) 1,2-Dichloroethane	8.677	62	283271	46.682	ug/l	100
43) Isopropyl Acetate	8.694	43	375548	48.525	ug/l	100
44) Trichloroethene	9.359	130	225273	44.910	ug/l	100
45) 1,2-Dichloropropane	9.630	63	198835	46.827	ug/l	96
46) Dibromomethane	9.712	93	148777	46.407	ug/l	98
47) Bromodichloromethane	9.888	83	301010	48.410	ug/l	99
48) Methyl methacrylate	9.682	41	179955	49.115	ug/l	99
49) 1,4-Dioxane	9.700	88	75167	972.271	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	1124318	247.469	ug/l	100
52) Toluene	10.635	92	548963	46.286	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	301178	50.810	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	331069	48.548	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	215843	47.612	ug/l	97
56) Ethyl methacrylate	10.877	69	311945	53.299	ug/l	99
57) 1,3-Dichloropropane	11.165	76	350352	47.556	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	463562	234.616	ug/l	100
59) 2-Hexanone	11.200	43	814496	247.394	ug/l	99
60) Dibromochloromethane	11.359	129	245732	51.492	ug/l	99
61) 1,2-Dibromoethane	11.471	107	224760	49.670	ug/l	98
64) Tetrachloroethene	11.106	164	224867	40.879	ug/l	98
65) Chlorobenzene	11.894	112	594130	46.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	230072	47.958	ug/l	100
67) Ethyl Benzene	11.965	91	1075697	48.745	ug/l	98
68) m/p-Xylenes	12.071	106	855777	96.710	ug/l	100
69) o-Xylene	12.400	106	424022	48.795	ug/l	98
70) Styrene	12.412	104	695767	50.145	ug/l	99
71) Bromoform	12.582	173	175225	50.577	ug/l #	98
73) Isopropylbenzene	12.700	105	1113401	49.195	ug/l	100
74) N-amyl acetate	12.494	43	337308	51.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	298989	45.954	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	266341m	49.973	ug/l	
77) Bromobenzene	12.982	156	260824	49.285	ug/l	99
78) n-propylbenzene	13.035	91	1257696	49.250	ug/l	99
79) 2-Chlorotoluene	13.129	91	744970	47.540	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	931463	49.126	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	83754	47.632	ug/l	96
82) 4-Chlorotoluene	13.129	91	744970	47.540	ug/l	99
83) tert-Butylbenzene	13.441	119	850333	50.424	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	929403	48.884	ug/l	100
85) sec-Butylbenzene	13.618	105	1157445	49.464	ug/l	100
86) p-Isopropyltoluene	13.729	119	978638	50.859	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	476323	44.652	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	470449	46.368	ug/l	99
89) n-Butylbenzene	14.059	91	767369	50.237	ug/l	99
90) Hexachloroethane	14.335	117	165076	49.706	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	467623	44.013	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	53903	47.662	ug/l	100
93) 1,2,4-Trichlorobenzene	15.394	180	227919	44.542	ug/l	98
94) Hexachlorobutadiene	15.506	225	121334	43.034	ug/l	99
95) Naphthalene	15.641	128	673578	44.521	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	217352	44.545	ug/l	97

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

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