

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020623\
 Data File : VN076539.D
 Acq On : 06 Feb 2023 13:10
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2023
 Supervised By : Mahesh Dadoda 02/07/2023

Quant Time: Feb 07 00:59:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 00:55:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	552314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	930918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	824401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	355411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	67692	7.239	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	14.480%#		
35) Dibromofluoromethane	8.171	113	59711	7.426	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	14.860%#		
50) Toluene-d8	10.571	98	223466	7.869	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	15.740%#		
62) 4-Bromofluorobenzene	12.853	95	72508	7.780	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	15.560%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	65628	10.265	ug/l	99
3) Chloromethane	2.371	50	56264	10.023	ug/l	95
4) Vinyl Chloride	2.530	62	46247	9.962	ug/l	100
5) Bromomethane	2.965	94	35192	8.847	ug/l	100
6) Chloroethane	3.130	64	29951	10.328	ug/l	98
7) Trichlorofluoromethane	3.512	101	105093	10.405	ug/l	97
8) Diethyl Ether	3.977	74	35255	9.599	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	58405	9.920	ug/l	98
10) Methyl Iodide	4.601	142	83446	9.880	ug/l	97
11) Tert butyl alcohol	5.542	59	43104	46.369	ug/l	99
12) 1,1-Dichloroethene	4.353	96	55145	9.864	ug/l	96
13) Acrolein	4.195	56	59732	46.908	ug/l	99
14) Allyl chloride	5.042	41	72129	9.866	ug/l	97
15) Acrylonitrile	5.736	53	127077	48.818	ug/l	98
16) Acetone	4.448	43	107013	46.651	ug/l	98
17) Carbon Disulfide	4.730	76	136439	9.603	ug/l	99
18) Methyl Acetate	5.042	43	69620	9.906	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	177347	9.763	ug/l	98
20) Methylene Chloride	5.289	84	62353	9.381	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	57161	9.705	ug/l	93
22) Diisopropyl ether	6.683	45	161261	9.902	ug/l #	98
23) Vinyl Acetate	6.618	43	489057	46.594	ug/l	98
24) 1,1-Dichloroethane	6.583	63	101309	9.799	ug/l	99
25) 2-Butanone	7.494	43	156411	48.116	ug/l	96
26) 2,2-Dichloropropane	7.500	77	83899	9.629	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	66760	9.681	ug/l	99
28) Bromochloromethane	7.830	49	41140	9.610	ug/l	97
29) Tetrahydrofuran	7.847	42	98880	47.802	ug/l	99
30) Chloroform	7.977	83	111217	9.799	ug/l	100
31) Cyclohexane	8.265	56	102582	8.322	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	96838	9.570	ug/l	95
36) 1,1-Dichloropropene	8.377	75	79991	9.718	ug/l	99
37) Ethyl Acetate	7.571	43	62205	9.474	ug/l	97
38) Carbon Tetrachloride	8.371	117	86697	9.667	ug/l	99
39) Methylcyclohexane	9.606	83	96443	9.659	ug/l	98
40) Benzene	8.612	78	244392	9.752	ug/l	99

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41) Methacrylonitrile	7.789	41	34422	9.817	ug/l	94
42) 1,2-Dichloroethane	8.677	62	82835	9.947	ug/l	100
43) Isopropyl Acetate	8.694	43	100746	9.435	ug/l	99
44) Trichloroethene	9.353	130	65470	9.772	ug/l	93
45) 1,2-Dichloropropane	9.630	63	58761	9.665	ug/l	98
46) Dibromomethane	9.712	93	41882	9.606	ug/l	97
47) Bromodichloromethane	9.894	83	86022	9.859	ug/l	94
48) Methyl methacrylate	9.688	41	49671	9.739	ug/l	97
49) 1,4-Dioxane	9.700	88	22874	190.392	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	308841	48.262	ug/l	100
52) Toluene	10.635	92	157508	9.848	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	79577	9.423	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	92386	9.696	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	60534	9.669	ug/l	98
56) Ethyl methacrylate	10.877	69	79393	9.448	ug/l	94
57) 1,3-Dichloropropane	11.165	76	100771	9.753	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	118622	45.665	ug/l	100
59) 2-Hexanone	11.200	43	222368	47.829	ug/l	96
60) Dibromochloromethane	11.359	129	62859	9.449	ug/l	98
61) 1,2-Dibromoethane	11.471	107	58371	9.334	ug/l	97
64) Tetrachloroethene	11.106	164	67248	9.663	ug/l	96
65) Chlorobenzene	11.894	112	161162	9.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	60306	9.652	ug/l	97
67) Ethyl Benzene	11.965	91	284860	9.492	ug/l	99
68) m/p-Xylenes	12.071	106	225840	19.404	ug/l	99
69) o-Xylene	12.400	106	111137	9.716	ug/l	99
70) Styrene	12.412	104	174596	9.598	ug/l	99
71) Bromoform	12.582	173	41969	9.413	ug/l #	99
73) Isopropylbenzene	12.700	105	283528	10.008	ug/l	99
74) N-amyl acetate	12.494	43	77443	9.379	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	80880	9.851	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	64355m	8.346	ug/l	
77) Bromobenzene	12.982	156	64938	9.743	ug/l	99
78) n-propylbenzene	13.041	91	313682	9.951	ug/l	99
79) 2-Chlorotoluene	13.129	91	197757	9.883	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	242826	10.111	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	19837	9.125	ug/l #	86
82) 4-Chlorotoluene	13.129	91	197757	9.883	ug/l	100
83) tert-Butylbenzene	13.441	119	215346	10.084	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	238257	10.001	ug/l	99
85) sec-Butylbenzene	13.618	105	282673	9.820	ug/l	100
86) p-Isopropyltoluene	13.729	119	233063	9.942	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	117883	9.547	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	114447	9.189	ug/l	96
89) n-Butylbenzene	14.059	91	172096	9.254	ug/l	99
90) Hexachloroethane	14.335	117	39946	9.980	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	115925	9.568	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12893	9.110	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	45419	8.506	ug/l	95
94) Hexachlorobutadiene	15.506	225	28007	9.135	ug/l	96
95) Naphthalene	15.647	128	134135	8.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	46268	9.013	ug/l	97

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

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