

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078483.D
 Acq On : 12 Jul 2023 17:09
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 13 09:20:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	474866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	800634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	734976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	307794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	322645	50.682	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.360%			
35) Dibromofluoromethane	8.177	113	280495	51.609	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.220%			
50) Toluene-d8	10.570	98	1057595	51.511	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.020%			
62) 4-Bromofluorobenzene	12.853	95	334911	52.957	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	251420	43.184	ug/l	97
3) Chloromethane	2.371	50	282329	44.615	ug/l	97
4) Vinyl Chloride	2.518	62	373787	45.662	ug/l	97
5) Bromomethane	2.947	94	243077	46.609	ug/l	98
6) Chloroethane	3.118	64	236260	47.620	ug/l	98
7) Trichlorofluoromethane	3.500	101	444601	45.435	ug/l	96
8) Diethyl Ether	3.971	74	150468	46.152	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.371	101	238872	46.114	ug/l	97
10) Methyl Iodide	4.594	142	336837	47.321	ug/l	98
11) Tert butyl alcohol	5.536	59	239941	244.422	ug/l	100
12) 1,1-Dichloroethene	4.347	96	234505	46.801	ug/l	94
13) Acrolein	4.194	56	208975	216.368	ug/l	97
14) Allyl chloride	5.030	41	329840	48.174	ug/l	96
15) Acrylonitrile	5.730	53	606425	244.496	ug/l	99
16) Acetone	4.441	43	456786	230.347	ug/l	94
17) Carbon Disulfide	4.718	76	625523	43.172	ug/l	99
18) Methyl Acetate	5.030	43	386237	46.010	ug/l	92
19) Methyl tert-butyl Ether	5.806	73	790599	47.888	ug/l	99
20) Methylene Chloride	5.283	84	279164	49.055	ug/l	95
21) trans-1,2-Dichloroethene	5.794	96	262626	46.512	ug/l	93
22) Diisopropyl ether	6.683	45	754500	49.214	ug/l	94
23) Vinyl Acetate	6.618	43	2381878	244.383	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	483802	46.832	ug/l	98
25) 2-Butanone	7.494	43	746327	239.087	ug/l	90
26) 2,2-Dichloropropane	7.494	77	339939	40.233	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	314828	48.198	ug/l	98
28) Bromochloromethane	7.824	49	241831	49.701	ug/l	91
29) Tetrahydrofuran	7.847	42	481852	235.248	ug/l	88
30) Chloroform	7.971	83	532845	49.543	ug/l	94
31) Cyclohexane	8.265	56	380246	44.197	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	468398	48.575	ug/l	97
36) 1,1-Dichloropropene	8.377	75	379696	48.384	ug/l	98
37) Ethyl Acetate	7.571	43	328161	50.163	ug/l #	95
38) Carbon Tetrachloride	8.371	117	418263	49.040	ug/l	99
39) Methylcyclohexane	9.606	83	356534	49.773	ug/l	94
40) Benzene	8.612	78	1153657	49.622	ug/l	99

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41) Methacrylonitrile	7.788	41	175371	52.586	ug/l	91
42) 1,2-Dichloroethane	8.677	62	383157	48.452	ug/l	98
43) Isopropyl Acetate	8.694	43	537651	49.919	ug/l	96
44) Trichloroethene	9.359	130	299054	47.726	ug/l	99
45) 1,2-Dichloropropane	9.629	63	289184	49.111	ug/l	97
46) Dibromomethane	9.718	93	208488	50.306	ug/l	92
47) Bromodichloromethane	9.894	83	419235	50.463	ug/l	98
48) Methyl methacrylate	9.688	41	254195	50.943	ug/l	89
49) 1,4-Dioxane	9.700	88	112463	1033.494	ug/l #	88
51) 4-Methyl-2-Pentanone	10.453	43	1679628	262.182	ug/l	92
52) Toluene	10.635	92	722556	50.145	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	422289	49.617	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	455493	50.207	ug/l	94
55) 1,1,2-Trichloroethane	11.023	97	285248	50.245	ug/l	97
56) Ethyl methacrylate	10.882	69	417809	52.647	ug/l	92
57) 1,3-Dichloropropane	11.170	76	475322	49.241	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	786718	278.170	ug/l	94
59) 2-Hexanone	11.200	43	1206212	264.923	ug/l	92
60) Dibromochloromethane	11.365	129	323348	51.591	ug/l	99
61) 1,2-Dibromoethane	11.476	107	294440	50.347	ug/l	98
64) Tetrachloroethene	11.112	164	267325	48.378	ug/l	98
65) Chlorobenzene	11.900	112	770255	46.886	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	300699	47.579	ug/l	97
67) Ethyl Benzene	11.970	91	1383001	49.803	ug/l	98
68) m/p-Xylenes	12.076	106	1041129	101.403	ug/l	98
69) o-Xylene	12.406	106	501749	48.383	ug/l	94
70) Styrene	12.417	104	840104	51.781	ug/l	99
71) Bromoform	12.582	173	214900	50.207	ug/l #	99
73) Isopropylbenzene	12.700	105	1269237	43.885	ug/l	99
74) N-amyl acetate	12.500	43	436809	43.826	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	398246	49.254	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	335445m	45.088	ug/l	
77) Bromobenzene	12.988	156	307609	48.874	ug/l	96
78) n-propylbenzene	13.041	91	1440276	46.566	ug/l	100
79) 2-Chlorotoluene	13.129	91	893059	44.081	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	1024428	44.829	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	119595	42.242	ug/l #	86
82) 4-Chlorotoluene	13.229	91	859201	45.461	ug/l	98
83) tert-Butylbenzene	13.447	119	842378	43.419	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1009630	45.486	ug/l	98
85) sec-Butylbenzene	13.623	105	1107899	45.178	ug/l	98
86) p-Isopropyltoluene	13.735	119	911325	46.281	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	518084	46.662	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	506083	45.253	ug/l	99
89) n-Butylbenzene	14.064	91	657260	46.650	ug/l	98
90) Hexachloroethane	14.341	117	179954	49.717	ug/l	86
91) 1,2-Dichlorobenzene	14.111	146	506368	45.828	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	67786	48.916	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	164777	46.726	ug/l	96
94) Hexachlorobutadiene	15.505	225	86875	47.407	ug/l	97
95) Naphthalene	15.647	128	510046	42.308	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	176967	43.643	ug/l	97

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

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