

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078035.D
 Acq On : 05 Jun 2023 11:11
 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 06/06/2023
 Supervised By : Mahesh Dadoda 06/06/2023

Quant Time: Jun 06 01:56:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	365841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	635700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	541108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	241518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	272378	49.759	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.520%		
35) Dibromofluoromethane	8.177	113	237205	57.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	114.440%		
50) Toluene-d8	10.571	98	827273	51.848	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.700%		
62) 4-Bromofluorobenzene	12.853	95	285484	50.661	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	175664	42.191	ug/l	99
3) Chloromethane	2.371	50	190910	42.996	ug/l	99
4) Vinyl Chloride	2.518	62	247964	47.238	ug/l	99
5) Bromomethane	2.959	94	185000	47.652	ug/l	95
6) Chloroethane	3.124	64	183452	48.493	ug/l	98
7) Trichlorofluoromethane	3.506	101	381911	52.205	ug/l	100
8) Diethyl Ether	3.971	74	140286	52.528	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.389	101	218663	54.011	ug/l	97
10) Methyl Iodide	4.600	142	281209	58.243	ug/l	99
11) Tert butyl alcohol	5.530	59	161963	214.392	ug/l	99
12) 1,1-Dichloroethene	4.347	96	195384	50.778	ug/l	87
13) Acrolein	4.183	56	61729	115.936	ug/l	94
14) Allyl chloride	5.030	41	268210	47.449	ug/l	94
15) Acrylonitrile	5.730	53	490757	243.156	ug/l	99
16) Acetone	4.436	43	389254	226.026	ug/l	95
17) Carbon Disulfide	4.718	76	451074	43.507	ug/l	99
18) Methyl Acetate	5.036	43	357936	49.543	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	745242	53.508	ug/l	95
20) Methylene Chloride	5.283	84	250098	56.033	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	223778	51.773	ug/l #	79
22) Diisopropyl ether	6.683	45	697831	52.669	ug/l	95
23) Vinyl Acetate	6.612	43	2021355	246.234	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	443729	54.665	ug/l	98
25) 2-Butanone	7.488	43	608222	225.770	ug/l	90
26) 2,2-Dichloropropane	7.494	77	385110	55.844	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	283760	54.753	ug/l	93
28) Bromochloromethane	7.818	49	170803	48.655	ug/l	94
29) Tetrahydrofuran	7.841	42	398159	225.713	ug/l	86
30) Chloroform	7.971	83	489624	54.834	ug/l	97
31) Cyclohexane	8.265	56	344774	46.342	ug/l	87
32) 1,1,1-Trichloroethane	8.177	97	421553	55.529	ug/l	94
36) 1,1-Dichloropropene	8.377	75	342851	56.546	ug/l	97
37) Ethyl Acetate	7.565	43	251428	46.525	ug/l	96
38) Carbon Tetrachloride	8.365	117	378961	61.896	ug/l	97
39) Methylcyclohexane	9.606	83	384020	51.735	ug/l	93
40) Benzene	8.612	78	1018533	56.926	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	145554	50.574	ug/l	92
42) 1,2-Dichloroethane	8.677	62	367292	56.511	ug/l	97
43) Isopropyl Acetate	8.694	43	469279	53.163	ug/l	94
44) Trichloroethene	9.359	130	261814	57.790	ug/l	99
45) 1,2-Dichloropropane	9.624	63	268962	58.934	ug/l	91
46) Dibromomethane	9.712	93	192333	58.895	ug/l	98
47) Bromodichloromethane	9.894	83	385350	61.634	ug/l	96
48) Methyl methacrylate	9.688	41	211668	50.576	ug/l	91
49) 1,4-Dioxane	9.700	88	80030	1012.452	ug/l	91
51) 4-Methyl-2-Pentanone	10.447	43	1362195	259.616	ug/l	94
52) Toluene	10.635	92	647945	58.170	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	400686	60.518	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	439996	60.304	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	260609	58.924	ug/l	96
56) Ethyl methacrylate	10.876	69	371647	55.576	ug/l	91
57) 1,3-Dichloropropane	11.171	76	436506	57.571	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	687377	208.938	ug/l	92
59) 2-Hexanone	11.200	43	930229	239.690	ug/l	92
60) Dibromochloromethane	11.365	129	292726	64.112	ug/l	100
61) 1,2-Dibromoethane	11.476	107	263734	59.773	ug/l	97
64) Tetrachloroethene	11.106	164	217812	57.560	ug/l	97
65) Chlorobenzene	11.894	112	692328	59.019	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	272969	67.251	ug/l	98
67) Ethyl Benzene	11.971	91	1249102	59.419	ug/l	98
68) m/p-Xylenes	12.076	106	963326	120.940	ug/l	100
69) o-Xylene	12.406	106	474416	60.563	ug/l	99
70) Styrene	12.418	104	772458	62.075	ug/l	98
71) Bromoform	12.582	173	186120	68.930	ug/l #	100
73) Isopropylbenzene	12.700	105	1226760	58.925	ug/l	99
74) N-amyl acetate	12.500	43	371339	48.255	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	354345	55.326	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	282580m	46.719	ug/l	
77) Bromobenzene	12.988	156	272236	57.300	ug/l	97
78) n-propylbenzene	13.041	91	1429969	58.261	ug/l	100
79) 2-Chlorotoluene	13.129	91	830413	56.699	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	1035671	59.189	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	108654	57.422	ug/l	96
82) 4-Chlorotoluene	13.229	91	815601	55.970	ug/l	99
83) tert-Butylbenzene	13.441	119	886836	58.057	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	1027730	59.722	ug/l	99
85) sec-Butylbenzene	13.623	105	1265912	58.313	ug/l	99
86) p-Isopropyltoluene	13.735	119	1028550	59.430	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	494565	56.288	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	477657	54.784	ug/l	100
89) n-Butylbenzene	14.059	91	868233	54.542	ug/l	99
90) Hexachloroethane	14.341	117	191461	67.341	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	486001	59.209	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	58357	47.063	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	207663	43.293	ug/l	97
94) Hexachlorobutadiene	15.511	225	113334	56.907	ug/l	99
95) Naphthalene	15.647	128	590265	35.751	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	212917	45.336	ug/l	98

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

