

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061223\
 Data File : VN078157.D
 Acq On : 12 Jun 2023 10:19
 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 06/13/2023
 Supervised By : Mahesh Dadoda 06/13/2023

Quant Time: Jun 13 01:28:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	447751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	812188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	712168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	287327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	320310	53.654	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.300%			
35) Dibromofluoromethane	8.171	113	262649	51.145	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.300%			
50) Toluene-d8	10.571	98	1013438	51.191	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.380%			
62) 4-Bromofluorobenzene	12.853	95	332651	54.050	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	223835	44.224	ug/l	99
3) Chloromethane	2.371	50	236507	49.657	ug/l	98
4) Vinyl Chloride	2.518	62	310347	46.826	ug/l	100
5) Bromomethane	2.948	94	228323	45.585	ug/l	98
6) Chloroethane	3.118	64	213283	47.207	ug/l	97
7) Trichlorofluoromethane	3.501	101	414458	46.115	ug/l	95
8) Diethyl Ether	3.965	74	146866	46.507	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	230625	48.622	ug/l	98
10) Methyl Iodide	4.595	142	315267	47.000	ug/l	98
11) Tert butyl alcohol	5.530	59	205150	248.872	ug/l	98
12) 1,1-Dichloroethene	4.348	96	220169	45.029	ug/l	87
13) Acrolein	4.189	56	223256	245.740	ug/l	97
14) Allyl chloride	5.036	41	287630	48.191	ug/l	94
15) Acrylonitrile	5.730	53	553394	260.394	ug/l	98
16) Acetone	4.436	43	470691	273.920	ug/l	93
17) Carbon Disulfide	4.718	76	570515	45.333	ug/l	98
18) Methyl Acetate	5.030	43	394001	49.803	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	776757	49.792	ug/l	99
20) Methylene Chloride	5.289	84	264473	46.575	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	241254	45.748	ug/l	85
22) Diisopropyl ether	6.683	45	737574	52.536	ug/l	96
23) Vinyl Acetate	6.612	43	2175586	260.686	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	463801	50.078	ug/l	97
25) 2-Butanone	7.489	43	709492	268.497	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	403548	59.012	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	287574	45.716	ug/l	91
28) Bromochloromethane	7.824	49	226003	53.148	ug/l	88
29) Tetrahydrofuran	7.847	42	460229	260.532	ug/l #	85
30) Chloroform	7.971	83	498889	50.024	ug/l	90
31) Cyclohexane	8.265	56	371762	48.545	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	441812	50.461	ug/l	94
36) 1,1-Dichloropropene	8.377	75	363597	49.361	ug/l	98
37) Ethyl Acetate	7.565	43	296353	51.501	ug/l #	95
38) Carbon Tetrachloride	8.371	117	387381	49.806	ug/l	98
39) Methylcyclohexane	9.606	83	375798	49.229	ug/l	93
40) Benzene	8.612	78	1071456	48.723	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	157945	50.639	ug/l	93
42) 1,2-Dichloroethane	8.677	62	378098	50.146	ug/l	98
43) Isopropyl Acetate	8.694	43	514399	46.742	ug/l	94
44) Trichloroethene	9.359	130	273221	47.046	ug/l	98
45) 1,2-Dichloropropane	9.630	63	278393	50.882	ug/l	99
46) Dibromomethane	9.712	93	191646	47.555	ug/l	93
47) Bromodichloromethane	9.894	83	397484	53.098	ug/l	96
48) Methyl methacrylate	9.688	41	242215	52.447	ug/l	89
49) 1,4-Dioxane	9.700	88	99940	1029.603	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1521124	262.485	ug/l	93
52) Toluene	10.635	92	679546	48.943	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	415107	53.245	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	449533	52.162	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	272520	51.886	ug/l	95
56) Ethyl methacrylate	10.882	69	397340	51.955	ug/l	92
57) 1,3-Dichloropropane	11.171	76	457820	51.639	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	788163	255.113	ug/l	92
59) 2-Hexanone	11.200	43	1072293	265.743	ug/l	93
60) Dibromochloromethane	11.365	129	297495	51.762	ug/l	99
61) 1,2-Dibromoethane	11.477	107	274048	49.719	ug/l	98
64) Tetrachloroethene	11.112	164	242315	51.002	ug/l	98
65) Chlorobenzene	11.900	112	722644	47.382	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	275019	49.028	ug/l	97
67) Ethyl Benzene	11.971	91	1306846	49.659	ug/l	96
68) m/p-Xylenes	12.077	106	996536	99.364	ug/l	97
69) o-Xylene	12.406	106	487066	49.454	ug/l	96
70) Styrene	12.418	104	791701	51.061	ug/l	98
71) Bromoform	12.582	173	191632	52.936	ug/l #	100
73) Isopropylbenzene	12.700	105	1236404	45.505	ug/l	99
74) N-amyl acetate	12.500	43	414513	46.328	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	373144	49.929	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	302329m	44.509	ug/l	
77) Bromobenzene	12.982	156	280516	44.475	ug/l	99
78) n-propylbenzene	13.041	91	1423094	48.208	ug/l	100
79) 2-Chlorotoluene	13.129	91	851175	44.669	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1027759	46.721	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	115454	52.221	ug/l	93
82) 4-Chlorotoluene	13.224	91	818722	46.036	ug/l	97
83) tert-Butylbenzene	13.441	119	860413	44.996	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	1008222	47.274	ug/l	99
85) sec-Butylbenzene	13.623	105	1153783	46.100	ug/l	99
86) p-Isopropyltoluene	13.735	119	955154	47.029	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	489801	45.909	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	479835	46.609	ug/l	99
89) n-Butylbenzene	14.065	91	753132	47.013	ug/l	98
90) Hexachloroethane	14.341	117	175586	48.715	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	475179	45.572	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	62602	46.516	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	180458	48.575	ug/l	97
94) Hexachlorobutadiene	15.506	225	88321	48.415	ug/l	98
95) Naphthalene	15.647	128	572185	45.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	191550	46.101	ug/l	99

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

