

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
 Data File : VN078297.D
 Acq On : 20 Jun 2023 09:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 21 05:37:15 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

Manual Integrations APPROVED

Reviewed By : John Carlone 06/21/2023
 Supervised By : Mahesh Dadoda 06/22/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	438788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	774466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	677141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	262417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	305873	52.283	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.560%			
35) Dibromofluoromethane	8.171	113	258865	52.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.720%			
50) Toluene-d8	10.571	98	970273	51.397	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.800%			
62) 4-Bromofluorobenzene	12.853	95	309866	52.800	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	200306	40.384	ug/l	96
3) Chloromethane	2.371	50	216544	46.270	ug/l	99
4) Vinyl Chloride	2.524	62	307940	47.412	ug/l	99
5) Bromomethane	2.953	94	244288	49.769	ug/l	98
6) Chloroethane	3.124	64	225874	51.015	ug/l	97
7) Trichlorofluoromethane	3.506	101	406841	46.192	ug/l	99
8) Diethyl Ether	3.971	74	142928	46.184	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	222689	47.908	ug/l	98
10) Methyl Iodide	4.594	142	306220	46.584	ug/l	94
11) Tert butyl alcohol	5.536	59	179769	222.537	ug/l	100
12) 1,1-Dichloroethene	4.347	96	212198	44.286	ug/l	85
13) Acrolein	4.189	56	243876	273.920	ug/l	94
14) Allyl chloride	5.036	41	291406	49.821	ug/l	94
15) Acrylonitrile	5.724	53	534991	256.876	ug/l	99
16) Acetone	4.436	43	437956	260.076	ug/l	95
17) Carbon Disulfide	4.718	76	506767	41.090	ug/l	97
18) Methyl Acetate	5.036	43	391055	50.440	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	772404	50.524	ug/l	96
20) Methylene Chloride	5.283	84	260469	46.807	ug/l	90
21) trans-1,2-Dichloroethene	5.794	96	239868	46.414	ug/l	87
22) Diisopropyl ether	6.683	45	744028	54.078	ug/l	97
23) Vinyl Acetate	6.612	43	2110459	258.047	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	466424	51.390	ug/l	98
25) 2-Butanone	7.488	43	681514	263.177	ug/l #	85
26) 2,2-Dichloropropane	7.500	77	406182	60.610	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	291817	47.338	ug/l	91
28) Bromochloromethane	7.824	49	224029	53.760	ug/l	89
29) Tetrahydrofuran	7.847	42	435290	251.447	ug/l #	84
30) Chloroform	7.971	83	509685	52.151	ug/l	95
31) Cyclohexane	8.265	56	323319	43.082	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	447284	52.129	ug/l	98
36) 1,1-Dichloropropene	8.377	75	356226	50.716	ug/l	97
37) Ethyl Acetate	7.565	43	283832	51.727	ug/l	93
38) Carbon Tetrachloride	8.365	117	382809	51.615	ug/l	99
39) Methylcyclohexane	9.606	83	284587	39.096	ug/l	90
40) Benzene	8.612	78	1062033	50.647	ug/l	99

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41) Methacrylonitrile	7.788	41	156688	52.683	ug/l	92
42) 1,2-Dichloroethane	8.677	62	381965	53.126	ug/l	97
43) Isopropyl Acetate	8.694	43	524331	49.966	ug/l #	93
44) Trichloroethene	9.359	130	269787	48.717	ug/l	99
45) 1,2-Dichloropropane	9.629	63	280991	53.858	ug/l	96
46) Dibromomethane	9.712	93	197451	51.382	ug/l	96
47) Bromodichloromethane	9.894	83	406074	56.888	ug/l	96
48) Methyl methacrylate	9.688	41	237034	53.825	ug/l	88
49) 1,4-Dioxane	9.700	88	84962	917.929	ug/l #	94
51) 4-Methyl-2-Pentanone	10.447	43	1494348	270.424	ug/l	93
52) Toluene	10.635	92	687254	51.909	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	426874	57.422	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	454627	55.323	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	276634	55.234	ug/l	96
56) Ethyl methacrylate	10.876	69	388765	53.310	ug/l	91
57) 1,3-Dichloropropane	11.171	76	462663	54.727	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	817536	277.509	ug/l	91
59) 2-Hexanone	11.200	43	1050617	273.053	ug/l	91
60) Dibromochloromethane	11.365	129	305695	55.779	ug/l	99
61) 1,2-Dibromoethane	11.476	107	274478	52.223	ug/l	97
64) Tetrachloroethene	11.106	164	204546	45.279	ug/l	99
65) Chlorobenzene	11.894	112	728781	50.256	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	284791	53.396	ug/l	98
67) Ethyl Benzene	11.970	91	1264656	50.542	ug/l	100
68) m/p-Xylenes	12.076	106	961685	100.849	ug/l	97
69) o-Xylene	12.406	106	471387	50.338	ug/l	95
70) Styrene	12.417	104	780665	52.954	ug/l	98
71) Bromoform	12.582	173	194758	56.583	ug/l #	98
73) Isopropylbenzene	12.700	105	1136206	45.787	ug/l	99
74) N-amyl acetate	12.500	43	409298	50.087	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	382584	56.367	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	301639m	48.623	ug/l	
77) Bromobenzene	12.982	156	273831	47.536	ug/l	98
78) n-propylbenzene	13.041	91	1273658	47.241	ug/l	100
79) 2-Chlorotoluene	13.129	91	813952	46.770	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	924759	46.029	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	117336	58.110	ug/l	93
82) 4-Chlorotoluene	13.223	91	784292	48.287	ug/l	98
83) tert-Butylbenzene	13.441	119	761667	43.613	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	928923	47.690	ug/l	99
85) sec-Butylbenzene	13.617	105	946867	41.424	ug/l	99
86) p-Isopropyltoluene	13.735	119	772152	41.627	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	461138	47.326	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	451743	48.046	ug/l	99
89) n-Butylbenzene	14.059	91	609836	41.682	ug/l	98
90) Hexachloroethane	14.341	117	145043	44.061	ug/l	90
91) 1,2-Dichlorobenzene	14.111	146	458680	48.166	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	61787	50.268	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	141661	41.751	ug/l	97
94) Hexachlorobutadiene	15.506	225	66946	39.700	ug/l	94
95) Naphthalene	15.647	128	474983	41.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	153569	40.468	ug/l	97

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

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