

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078447.D
 Acq On : 28 Jun 2023 17:31
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/29/2023
 Supervised By : Mahesh Dadoda 06/29/2023

Quant Time: Jun 29 05:23:40 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	8.235	168	417733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	737964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	661278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	266802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	282228	50.672	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.340%			
35) Dibromofluoromethane	8.177	113	246439	52.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.640%			
50) Toluene-d8	10.571	98	890532	49.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.020%			
62) 4-Bromofluorobenzene	12.853	95	293359	52.460	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	174665	36.989	ug/l	99
3) Chloromethane	2.371	50	211739	47.575	ug/l	99
4) Vinyl Chloride	2.518	62	302992	49.002	ug/l	99
5) Bromomethane	2.942	94	209035	44.733	ug/l	93
6) Chloroethane	3.118	64	215340	51.088	ug/l	96
7) Trichlorofluoromethane	3.500	101	395502	47.168	ug/l	98
8) Diethyl Ether	3.971	74	145022	49.223	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.383	101	218479	49.372	ug/l	96
10) Methyl Iodide	4.595	142	304502	48.657	ug/l	97
11) Tert butyl alcohol	5.542	59	196354	255.319	ug/l	97
12) 1,1-Dichloroethene	4.347	96	213978	46.908	ug/l	94
13) Acrolein	4.189	56	241811	285.290	ug/l	95
14) Allyl chloride	5.030	41	279534	50.200	ug/l	92
15) Acrylonitrile	5.736	53	565356	285.138	ug/l	99
16) Acetone	4.436	43	445985	278.192	ug/l	92
17) Carbon Disulfide	4.718	76	516090	43.955	ug/l	100
18) Methyl Acetate	5.036	43	395512	53.586	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	751177	51.612	ug/l	99
20) Methylene Chloride	5.289	84	257892	48.680	ug/l	97
21) trans-1,2-Dichloroethene	5.794	96	237741	48.321	ug/l	89
22) Diisopropyl ether	6.683	45	713695	54.488	ug/l	94
23) Vinyl Acetate	6.618	43	2153179	276.540	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	451189	52.217	ug/l	98
25) 2-Butanone	7.488	43	713800	289.538	ug/l	89
26) 2,2-Dichloropropane	7.500	77	392131	61.463	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	291784	49.719	ug/l	93
28) Bromochloromethane	7.818	49	207640	52.339	ug/l	90
29) Tetrahydrofuran	7.847	42	465094	282.205	ug/l	85
30) Chloroform	7.971	83	496455	53.357	ug/l	96
31) Cyclohexane	8.265	56	338546	47.385	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	435443	53.307	ug/l	97
36) 1,1-Dichloropropene	8.382	75	341114	50.967	ug/l	99
37) Ethyl Acetate	7.571	43	304029	58.149	ug/l #	93
38) Carbon Tetrachloride	8.371	117	387172	54.785	ug/l	98
39) Methylcyclohexane	9.606	83	299491	43.179	ug/l	94
40) Benzene	8.612	78	1059728	53.036	ug/l	100

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41) Methacrylonitrile	7.788	41	152546	53.827	ug/l	93
42) 1,2-Dichloroethane	8.677	62	366957	53.563	ug/l	97
43) Isopropyl Acetate	8.694	43	523014	52.305	ug/l	93
44) Trichloroethene	9.359	130	271941	51.535	ug/l	95
45) 1,2-Dichloropropane	9.629	63	276693	55.658	ug/l	99
46) Dibromomethane	9.718	93	196649	53.704	ug/l	94
47) Bromodichloromethane	9.894	83	391464	57.554	ug/l	96
48) Methyl methacrylate	9.688	41	229996	54.810	ug/l	91
49) 1,4-Dioxane	9.700	88	97510	1105.607	ug/l	94
51) 4-Methyl-2-Pentanone	10.453	43	1549266	294.230	ug/l	94
52) Toluene	10.635	92	666777	52.854	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	409225	57.770	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	447680	57.172	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	276718	57.984	ug/l	95
56) Ethyl methacrylate	10.882	69	392475	56.480	ug/l	93
57) 1,3-Dichloropropane	11.171	76	456728	56.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	742076	264.354	ug/l	93
59) 2-Hexanone	11.200	43	1110246	302.823	ug/l	91
60) Dibromochloromethane	11.365	129	301327	57.702	ug/l	98
61) 1,2-Dibromoethane	11.476	107	277198	55.349	ug/l	100
64) Tetrachloroethene	11.112	164	218155	49.450	ug/l	96
65) Chlorobenzene	11.900	112	722345	51.007	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	279631	53.686	ug/l	98
67) Ethyl Benzene	11.970	91	1276225	52.228	ug/l	100
68) m/p-Xylenes	12.076	106	965541	103.682	ug/l	99
69) o-Xylene	12.406	106	481229	52.622	ug/l	98
70) Styrene	12.418	104	772700	53.671	ug/l	97
71) Bromoform	12.582	173	195345	58.115	ug/l #	99
73) Isopropylbenzene	12.700	105	1160710	46.006	ug/l	99
74) N-amyl acetate	12.500	43	415479	50.008	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	391119	56.691	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	306256m	48.556	ug/l	
77) Bromobenzene	12.988	156	281815	48.118	ug/l	97
78) n-propylbenzene	13.041	91	1302379	47.512	ug/l	100
79) 2-Chlorotoluene	13.129	91	810431	45.803	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	934459	45.748	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	114672	55.857	ug/l	93
82) 4-Chlorotoluene	13.229	91	783502	47.445	ug/l	98
83) tert-Butylbenzene	13.441	119	780281	43.945	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	923106	46.613	ug/l	98
85) sec-Butylbenzene	13.623	105	979001	42.126	ug/l	100
86) p-Isopropyltoluene	13.735	119	811477	43.028	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	462965	46.732	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	445196	46.571	ug/l	98
89) n-Butylbenzene	14.059	91	603968	40.602	ug/l	97
90) Hexachloroethane	14.341	117	154728	46.231	ug/l	87
91) 1,2-Dichlorobenzene	14.112	146	456591	47.158	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	61029	48.836	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	138456	40.136	ug/l	97
94) Hexachlorobutadiene	15.506	225	76751	45.128	ug/l	99
95) Naphthalene	15.647	128	440908	37.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	153726	39.844	ug/l	97

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

