

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
 Data File : VN078697.D
 Acq On : 28 Jul 2023 20:33
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 29 00:55:34 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

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	772166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1291945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1157491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	479838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	508197	49.093	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.180%		
35) Dibromofluoromethane	8.177	113	464968	53.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.040%		
50) Toluene-d8	10.571	98	1678198	50.654	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.300%		
62) 4-Bromofluorobenzene	12.853	95	589048	57.721	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	115.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	490906	51.853	ug/l	99
3) Chloromethane	2.371	50	499800	48.572	ug/l	97
4) Vinyl Chloride	2.518	62	476088	35.766	ug/l	99
5) Bromomethane	2.936	94	399498	47.168	ug/l	97
6) Chloroethane	3.112	64	275938	33.640	ug/l	100
7) Trichlorofluoromethane	3.495	101	771181	48.466	ug/l	99
8) Diethyl Ether	3.971	74	284882	53.737	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.371	101	423656	50.297	ug/l	94
10) Methyl Iodide	4.595	142	623226	53.844	ug/l	99
11) Tert butyl alcohol	5.542	59	469945	294.403	ug/l	98
12) 1,1-Dichloroethene	4.348	96	426301	52.322	ug/l	93
13) Acrolein	4.195	56	452475	288.107	ug/l	98
14) Allyl chloride	5.030	41	645780	58.004	ug/l #	84
15) Acrylonitrile	5.736	53	1217709	301.925	ug/l	99
16) Acetone	4.442	43	860702	266.921	ug/l	97
17) Carbon Disulfide	4.718	76	1149415	48.786	ug/l	99
18) Methyl Acetate	5.042	43	799410	58.564	ug/l #	88
19) Methyl tert-butyl Ether	5.806	73	1455189	54.206	ug/l	95
20) Methylene Chloride	5.283	84	512183	55.510	ug/l	90
21) trans-1,2-Dichloroethene	5.794	96	465941	50.748	ug/l	87
22) Diisopropyl ether	6.689	45	1408365	56.494	ug/l #	91
23) Vinyl Acetate	6.618	43	4535688	286.190	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	890652	53.021	ug/l	98
25) 2-Butanone	7.494	43	1499835	295.482	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	543012	39.523	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	549469	51.732	ug/l	95
28) Bromochloromethane	7.824	49	399631	50.509	ug/l	88
29) Tetrahydrofuran	7.847	42	1005431	301.874	ug/l #	83
30) Chloroform	7.977	83	917153	52.443	ug/l	93
31) Cyclohexane	8.265	56	718368	51.349	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	791156	50.457	ug/l	98
36) 1,1-Dichloropropene	8.377	75	669929	52.903	ug/l	97
37) Ethyl Acetate	7.571	43	631368	59.810	ug/l	95
38) Carbon Tetrachloride	8.371	117	713904	51.871	ug/l	98
39) Methylcyclohexane	9.606	83	633533	54.809	ug/l #	88
40) Benzene	8.612	78	2072525	55.244	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	330964	61.501	ug/l	91
42) 1,2-Dichloroethane	8.677	62	652730	51.152	ug/l	99
43) Isopropyl Acetate	8.700	43	1029970	59.263	ug/l	95
44) Trichloroethene	9.359	130	501987	49.646	ug/l	97
45) 1,2-Dichloropropane	9.630	63	539971	56.828	ug/l	97
46) Dibromomethane	9.718	93	353933	52.923	ug/l	92
47) Bromodichloromethane	9.894	83	713896	53.252	ug/l	99
48) Methyl methacrylate	9.688	41	463494	57.564	ug/l #	86
49) 1,4-Dioxane	9.700	88	208795	1189.072	ug/l	90
51) 4-Methyl-2-Pentanone	10.453	43	3125775	302.369	ug/l	96
52) Toluene	10.635	92	1278497	54.986	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	742777	54.084	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	817616	55.850	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	501146	54.704	ug/l	95
56) Ethyl methacrylate	10.882	69	788931	61.606	ug/l #	87
57) 1,3-Dichloropropane	11.171	76	856382	54.979	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	1293729	283.481	ug/l	91
59) 2-Hexanone	11.200	43	2269249	308.865	ug/l	96
60) Dibromochloromethane	11.365	129	552874	54.667	ug/l	100
61) 1,2-Dibromoethane	11.476	107	511193	54.169	ug/l	100
64) Tetrachloroethene	11.112	164	416913	47.908	ug/l	97
65) Chlorobenzene	11.900	112	1326863	51.284	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	508256	51.065	ug/l	98
67) Ethyl Benzene	11.971	91	2381760	54.461	ug/l	98
68) m/p-Xylenes	12.076	106	1797518	111.167	ug/l	96
69) o-Xylene	12.406	106	873602	53.490	ug/l	94
70) Styrene	12.418	104	1425651	55.796	ug/l	98
71) Bromoform	12.582	173	381619	56.613	ug/l #	100
73) Isopropylbenzene	12.700	105	2184843	48.458	ug/l	99
74) N-amyl acetate	12.500	43	801247	51.567	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	728389	58.358	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	595195m	51.318	ug/l	
77) Bromobenzene	12.988	156	522159	53.358	ug/l	98
78) n-propylbenzene	13.041	91	2397340	49.718	ug/l	100
79) 2-Chlorotoluene	13.129	91	1569582	49.696	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	1795872	50.411	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	210457	47.683	ug/l	88
82) 4-Chlorotoluene	13.229	91	1490582	50.591	ug/l	99
83) tert-Butylbenzene	13.447	119	1489810	49.257	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1767774	51.087	ug/l	100
85) sec-Butylbenzene	13.623	105	1890510	49.451	ug/l	100
86) p-Isopropyltoluene	13.735	119	1528703	49.799	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	850666	49.146	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	822074	47.152	ug/l	100
89) n-Butylbenzene	14.065	91	1160997	52.858	ug/l	99
90) Hexachloroethane	14.341	117	310069	55.037	ug/l	81
91) 1,2-Dichlorobenzene	14.112	146	847852	49.221	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	120812	56.209	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	267944	48.739	ug/l	96
94) Hexachlorobutadiene	15.506	225	169106	60.315	ug/l	99
95) Naphthalene	15.647	128	821859	43.729	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	299877	47.439	ug/l	97

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

