

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073123\
 Data File : VN078710.D
 Acq On : 31 Jul 2023 17:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 01 01:20:29 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

Manual Integrations APPROVED

Reviewed By : John Carlone 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	718739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1213562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1080325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	457285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	519485	53.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.820%			
35) Dibromofluoromethane	8.177	113	461733	56.049	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.100%			
50) Toluene-d8	10.571	98	1662394	53.417	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.840%			
62) 4-Bromofluorobenzene	12.853	95	579222	60.425	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 120.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	495506	56.230	ug/l	96
3) Chloromethane	2.371	50	538795	56.254	ug/l	97
4) Vinyl Chloride	2.518	62	895211	72.252	ug/l	96
5) Bromomethane	2.936	94	330415	41.296	ug/l	98
6) Chloroethane	3.112	64	335970	44.619	ug/l	96
7) Trichlorofluoromethane	3.500	101	816844	55.151	ug/l	100
8) Diethyl Ether	3.971	74	296609	60.108	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.383	101	445935	56.877	ug/l	95
10) Methyl Iodide	4.600	142	617085	57.276	ug/l	100
11) Tert butyl alcohol	5.536	59	430919	290.022	ug/l	99
12) 1,1-Dichloroethene	4.347	96	439795	57.990	ug/l	94
13) Acrolein	4.189	56	420055	287.346	ug/l	97
14) Allyl chloride	5.030	41	620612	59.887	ug/l	93
15) Acrylonitrile	5.730	53	1179207	314.112	ug/l	99
16) Acetone	4.442	43	931071	310.207	ug/l	99
17) Carbon Disulfide	4.724	76	1157779	52.794	ug/l	100
18) Methyl Acetate	5.036	43	780189	61.404	ug/l	90
19) Methyl tert-butyl Ether	5.812	73	1498782	59.980	ug/l	96
20) Methylene Chloride	5.283	84	528972	61.728	ug/l	91
21) trans-1,2-Dichloroethene	5.794	96	486378	56.911	ug/l	85
22) Diisopropyl ether	6.683	45	1487343	64.097	ug/l #	90
23) Vinyl Acetate	6.618	43	4635471	314.228	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	929283	59.433	ug/l	98
25) 2-Butanone	7.494	43	1474234	312.028	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	781827	61.135	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	572490	57.906	ug/l	92
28) Bromochloromethane	7.824	49	417416	56.679	ug/l	90
29) Tetrahydrofuran	7.847	42	960008	309.662	ug/l #	84
30) Chloroform	7.977	83	955404	58.691	ug/l	95
31) Cyclohexane	8.265	56	739218	56.767	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	833236	57.091	ug/l	98
36) 1,1-Dichloropropene	8.382	75	694042	58.347	ug/l	97
37) Ethyl Acetate	7.571	43	607536	61.269	ug/l	95
38) Carbon Tetrachloride	8.371	117	742863	57.462	ug/l	98
39) Methylcyclohexane	9.606	83	668745	61.592	ug/l	90
40) Benzene	8.612	78	2134081	60.559	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	339431	67.148	ug/l	88
42) 1,2-Dichloroethane	8.677	62	688298	57.423	ug/l	99
43) Isopropyl Acetate	8.694	43	1140477	69.860	ug/l #	90
44) Trichloroethene	9.359	130	522066	54.967	ug/l	100
45) 1,2-Dichloropropane	9.629	63	557891	62.507	ug/l	97
46) Dibromomethane	9.718	93	365251	58.143	ug/l	91
47) Bromodichloromethane	9.894	83	752293	59.741	ug/l	96
48) Methyl methacrylate	9.688	41	476554	63.009	ug/l #	85
49) 1,4-Dioxane	9.700	88	192975	1169.961	ug/l #	86
51) 4-Methyl-2-Pentanone	10.453	43	3075458	316.717	ug/l	95
52) Toluene	10.635	92	1305899	59.792	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	807405	62.587	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	882632	64.185	ug/l	99
55) 1,1,2-Trichloroethane	11.023	97	514730	59.816	ug/l	97
56) Ethyl methacrylate	10.882	69	793018	65.925	ug/l #	86
57) 1,3-Dichloropropane	11.171	76	884076	60.423	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	1283484	299.401	ug/l	90
59) 2-Hexanone	11.200	43	2199398	318.693	ug/l	95
60) Dibromochloromethane	11.365	129	570795	60.084	ug/l	100
61) 1,2-Dibromoethane	11.476	107	526418	59.385	ug/l	97
64) Tetrachloroethene	11.106	164	425847	52.430	ug/l	98
65) Chlorobenzene	11.900	112	1372615	56.842	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	526247	56.649	ug/l	97
67) Ethyl Benzene	11.970	91	2475379	60.645	ug/l	98
68) m/p-Xylenes	12.076	106	1852615	122.758	ug/l	95
69) o-Xylene	12.406	106	910184	59.711	ug/l	96
70) Styrene	12.417	104	1477510	61.956	ug/l	98
71) Bromoform	12.582	173	387241	61.550	ug/l #	96
73) Isopropylbenzene	12.700	105	2269133	52.809	ug/l	99
74) N-amyl acetate	12.500	43	790200	53.364	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	726444	61.226	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	584862m	52.914	ug/l	
77) Bromobenzene	12.988	156	536649	57.668	ug/l	99
78) n-propylbenzene	13.041	91	2530871	55.076	ug/l	99
79) 2-Chlorotoluene	13.129	91	1586503	52.709	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	1872079	55.142	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	259886	61.786	ug/l	91
82) 4-Chlorotoluene	13.229	91	1525572	54.332	ug/l	99
83) tert-Butylbenzene	13.441	119	1560352	54.133	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1826260	55.380	ug/l	100
85) sec-Butylbenzene	13.623	105	1950008	53.522	ug/l	99
86) p-Isopropyltoluene	13.735	119	1602491	54.777	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	870182	52.753	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	842998	50.737	ug/l	99
89) n-Butylbenzene	14.059	91	1238476	59.166	ug/l	98
90) Hexachloroethane	14.341	117	319077	59.496	ug/l	81
91) 1,2-Dichlorobenzene	14.111	146	857008	52.206	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	114967	56.125	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	265371	50.651	ug/l	96
94) Hexachlorobutadiene	15.506	225	181466	68.484	ug/l	96
95) Naphthalene	15.647	128	781837	43.651	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	295481	49.049	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

