

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076950.D
 Acq On : 13 Mar 2023 10:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 14 06:57:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/14/2023
 Supervised By : Mahesh Dadoda 03/14/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	485151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	803654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	699446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	329871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	334296	46.175	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.340%		
35) Dibromofluoromethane	8.172	113	256279	47.848	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.700%		
50) Toluene-d8	10.572	98	964759	48.874	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.740%		
62) 4-Bromofluorobenzene	12.854	95	357650	49.535	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	403801	46.209	ug/l	100
3) Chloromethane	2.378	50	198013	41.874	ug/l	99
4) Vinyl Chloride	2.531	62	194981	44.421	ug/l	97
5) Bromomethane	2.954	94	143776	44.532	ug/l	94
6) Chloroethane	3.131	64	116265	41.725	ug/l	95
7) Trichlorofluoromethane	3.513	101	514885	45.208	ug/l	96
8) Diethyl Ether	3.978	74	178990	48.847	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.384	101	276056	47.442	ug/l	99
10) Methyl Iodide	4.601	142	239039	39.250	ug/l	91
11) Tert butyl alcohol	5.537	59	222864	221.287	ug/l	99
12) 1,1-Dichloroethene	4.354	96	255941	47.727	ug/l	94
13) Acrolein	4.195	56	200550	221.539	ug/l	99
14) Allyl chloride	5.042	41	408477	53.097	ug/l #	79
15) Acrylonitrile	5.731	53	642922	225.879	ug/l	100
16) Acetone	4.437	43	672621	268.113	ug/l	96
17) Carbon Disulfide	4.725	76	722049	48.607	ug/l	99
18) Methyl Acetate	5.042	43	406911	43.980	ug/l	91
19) Methyl tert-butyl Ether	5.807	73	921043	48.303	ug/l	99
20) Methylene Chloride	5.284	84	286023	44.341	ug/l	92
21) trans-1,2-Dichloroethene	5.801	96	266456	46.870	ug/l	91
22) Diisopropyl ether	6.684	45	821785	48.284	ug/l	95
23) Vinyl Acetate	6.613	43	2625306	250.480	ug/l	95
24) 1,1-Dichloroethane	6.578	63	514276	47.304	ug/l	96
25) 2-Butanone	7.489	43	836250	234.375	ug/l	89
26) 2,2-Dichloropropane	7.501	77	462428	48.065	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	308929	47.092	ug/l	87
28) Bromochloromethane	7.825	49	195112	49.613	ug/l	89
29) Tetrahydrofuran	7.842	42	506445	229.000	ug/l	87
30) Chloroform	7.972	83	537057	45.975	ug/l	98
31) Cyclohexane	8.266	56	451898	43.505	ug/l	89
32) 1,1,1-Trichloroethane	8.178	97	507209	46.313	ug/l	99
36) 1,1-Dichloropropene	8.378	75	400183	48.309	ug/l	96
37) Ethyl Acetate	7.566	43	319728	48.264	ug/l	97
38) Carbon Tetrachloride	8.366	117	456732	47.110	ug/l	96
39) Methylcyclohexane	9.607	83	504745	50.195	ug/l #	87
40) Benzene	8.613	78	1147148	46.980	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	187150	47.476	ug/l	87
42) 1,2-Dichloroethane	8.672	62	424260	44.545	ug/l	96
43) Isopropyl Acetate	8.695	43	553501	47.331	ug/l	94
44) Trichloroethene	9.354	130	292977	46.428	ug/l	98
45) 1,2-Dichloropropane	9.625	63	284678	47.385	ug/l	96
46) Dibromomethane	9.713	93	195338	46.556	ug/l	96
47) Bromodichloromethane	9.889	83	431518	48.479	ug/l	97
48) Methyl methacrylate	9.683	41	260538	45.470	ug/l	87
49) 1,4-Dioxane	9.695	88	102897	948.400	ug/l #	85
51) 4-Methyl-2-Pentanone	10.448	43	1588864	226.174	ug/l	96
52) Toluene	10.636	92	726281	48.329	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	443743	50.004	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	479247	49.176	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	271217	46.385	ug/l	97
56) Ethyl methacrylate	10.877	69	436464	49.214	ug/l #	88
57) 1,3-Dichloropropane	11.166	76	473205	45.896	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	701917	248.545	ug/l	96
59) 2-Hexanone	11.195	43	1187890	231.913	ug/l	93
60) Dibromochloromethane	11.360	129	317061	49.218	ug/l	97
61) 1,2-Dibromoethane	11.471	107	275502	47.011	ug/l	98
64) Tetrachloroethene	11.107	164	271434	47.949	ug/l	99
65) Chlorobenzene	11.895	112	736661	47.085	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	288874	47.297	ug/l	97
67) Ethyl Benzene	11.966	91	1412228	49.089	ug/l	96
68) m/p-Xylenes	12.071	106	1067503	98.725	ug/l	90
69) o-Xylene	12.401	106	516459	49.199	ug/l	84
70) Styrene	12.413	104	858815	50.641	ug/l #	93
71) Bromoform	12.583	173	218269	49.313	ug/l #	99
73) Isopropylbenzene	12.695	105	1392504	47.374	ug/l	95
74) N-amyl acetate	12.495	43	462587	47.532	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.942	83	362760	41.943	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	348684m	43.599	ug/l	
77) Bromobenzene	12.983	156	301475	45.879	ug/l	91
78) n-propylbenzene	13.036	91	1621432	49.537	ug/l	97
79) 2-Chlorotoluene	13.130	91	992259	46.747	ug/l	92
80) 1,3,5-Trimethylbenzene	13.177	105	1220475	48.744	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.742	75	125329	51.189	ug/l	92
82) 4-Chlorotoluene	13.224	91	981763	48.949	ug/l	91
83) tert-Butylbenzene	13.442	119	1016107	47.769	ug/l	91
84) 1,2,4-Trimethylbenzene	13.483	105	1206885	48.178	ug/l	92
85) sec-Butylbenzene	13.618	105	1446747	49.618	ug/l	97
86) p-Isopropyltoluene	13.730	119	1208363	51.320	ug/l	95
87) 1,3-Dichlorobenzene	13.736	146	562415	46.962	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	555966	46.278	ug/l	97
89) n-Butylbenzene	14.060	91	1031030	52.474	ug/l	98
90) Hexachloroethane	14.336	117	215878	47.715	ug/l	88
91) 1,2-Dichlorobenzene	14.107	146	551330	45.827	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	83504	43.730	ug/l	86
93) 1,2,4-Trichlorobenzene	15.395	180	330035	49.351	ug/l	99
94) Hexachlorobutadiene	15.507	225	179795	50.462	ug/l	99
95) Naphthalene	15.642	128	998170	50.134	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	318431	49.036	ug/l	99

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

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