

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070088.D
 Acq On : 14 Dec 2021 23:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 15 05:24:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/15/2021
 Supervised By : Mahesh Dadoda 12/21/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	966628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1619282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1527355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	651192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	700397	46.929	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.860%		
35) Dibromofluoromethane	8.019	113	469402	46.279	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.560%		
50) Toluene-d8	10.440	98	1856277	45.579	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	91.160%		
62) 4-Bromofluorobenzene	12.731	95	701338	47.534	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	523755	46.456	ug/l	99
3) Chloromethane	2.301	50	673644	47.693	ug/l	99
4) Vinyl Chloride	2.445	62	621221	47.832	ug/l	98
5) Bromomethane	2.834	94	351669	49.840	ug/l	98
6) Chloroethane	3.009	64	374813	47.095	ug/l	98
7) Trichlorofluoromethane	3.368	101	786737	46.155	ug/l	99
8) Diethyl Ether	3.819	74	350596	53.404	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.205	101	491388	51.427	ug/l	96
10) Methyl Iodide	4.417	142	660932	50.633	ug/l	98
11) Tert butyl alcohol	5.382	59	664479	235.536	ug/l	98
12) 1,1-Dichloroethene	4.178	96	460045	49.964	ug/l	88
13) Acrolein	4.036	56	559976	233.085	ug/l	99
14) Allyl chloride	4.835	41	1086694	52.376	ug/l #	90
15) Acrylonitrile	5.554	53	1996315	262.605	ug/l	99
16) Acetone	4.288	43	1889299	210.439	ug/l	97
17) Carbon Disulfide	4.524	76	1034517	43.490	ug/l	100
18) Methyl Acetate	4.854	43	1400021	51.663	ug/l	91
19) Methyl tert-butyl Ether	5.616	73	1920555	53.645	ug/l	96
20) Methylene Chloride	5.090	84	599786	50.254	ug/l #	85
21) trans-1,2-Dichloroethene	5.594	96	499913	49.987	ug/l	85
22) Diisopropyl ether	6.495	45	2291603	56.509	ug/l #	93
23) Vinyl Acetate	6.431	43	9138994	277.004	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1132804	53.925	ug/l	98
25) 2-Butanone	7.335	43	2962024	242.821	ug/l	91
26) 2,2-Dichloropropane	7.327	77	755374	46.248	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	618691	51.204	ug/l	85
28) Bromochloromethane	7.657	49	521383	47.729	ug/l #	76
29) Tetrahydrofuran	7.686	42	1942322	262.223	ug/l #	86
30) Chloroform	7.817	83	1119115	52.750	ug/l	100
31) Cyclohexane	8.094	56	1014841	48.861	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	921099	50.969	ug/l	95
36) 1,1-Dichloropropene	8.220	75	794577	51.545	ug/l	96
37) Ethyl Acetate	7.412	43	1136513	49.536	ug/l	96
38) Carbon Tetrachloride	8.204	117	725984	48.026	ug/l	99
39) Methylcyclohexane	9.459	83	921243	50.243	ug/l	89
40) Benzene	8.458	78	2442365	51.835	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	591893	54.956	ug/l #	88
42) 1,2-Dichloroethane	8.528	62	992400	52.175	ug/l	97
43) Isopropyl Acetate	8.560	43	1819543	53.591	ug/l #	92
44) Trichloroethene	9.215	130	562907	50.054	ug/l	90
45) 1,2-Dichloropropane	9.491	63	686017	54.218	ug/l	98
46) Dibromomethane	9.577	93	427889	51.564	ug/l	93
47) Bromodichloromethane	9.762	83	841219	53.542	ug/l	100
48) Methyl methacrylate	9.558	41	851119	53.716	ug/l	83
49) 1,4-Dioxane	9.569	88	267638	941.380	ug/l #	83
51) 4-Methyl-2-Pentanone	10.330	43	6030439	273.789	ug/l	95
52) Toluene	10.505	92	1497931	52.072	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	887579	47.133	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	972098	49.049	ug/l	91
55) 1,1,2-Trichloroethane	10.896	97	616970	53.157	ug/l	98
56) Ethyl methacrylate	10.762	69	1064109	48.654	ug/l #	87
57) 1,3-Dichloropropane	11.044	76	1100157	53.832	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1315603	224.482	ug/l	90
59) 2-Hexanone	11.084	43	4341132	260.543	ug/l	93
60) Dibromochloromethane	11.237	129	579444	46.756	ug/l	100
61) 1,2-Dibromoethane	11.344	107	619867	51.562	ug/l	99
64) Tetrachloroethene	10.977	164	485846	46.912	ug/l	95
65) Chlorobenzene	11.768	112	1581596	51.043	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	559968	51.345	ug/l	99
67) Ethyl Benzene	11.843	91	2982040	52.982	ug/l	96
68) m/p-Xylenes	11.953	106	2171799	105.974	ug/l	91
69) o-Xylene	12.280	106	1084040	52.515	ug/l	90
70) Styrene	12.294	104	1804065	55.115	ug/l	95
71) Bromoform	12.457	173	414873	44.779	ug/l #	100
73) Isopropylbenzene	12.578	105	2898457	50.027	ug/l	98
74) N-amyl acetate	12.388	43	1349937	52.686	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	997368	49.781	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	903465m	48.379	ug/l	
77) Bromobenzene	12.860	156	658052	48.355	ug/l	76
78) n-propylbenzene	12.919	91	3312802	51.384	ug/l	95
79) 2-Chlorotoluene	13.007	91	2043228	50.155	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2368367	50.787	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	248024	43.998	ug/l	90
82) 4-Chlorotoluene	13.104	91	1954940	51.028	ug/l	92
83) tert-Butylbenzene	13.324	119	2065980	50.033	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	2317602	52.185	ug/l	97
85) sec-Butylbenzene	13.501	105	2898122	51.744	ug/l	97
86) p-Isopropyltoluene	13.616	119	2285109	52.195	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1128045	50.456	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	1089837	49.604	ug/l	96
89) n-Butylbenzene	13.940	91	1872018	52.712	ug/l	97
90) Hexachloroethane	14.211	117	361970	47.092	ug/l	87
91) 1,2-Dichlorobenzene	13.986	146	1117255	51.289	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	174256	48.133	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	505236	47.445	ug/l	98
94) Hexachlorobutadiene	15.367	225	295921	51.258	ug/l	100
95) Naphthalene	15.504	128	1426274	45.231	ug/l	100
96) 1,2,3-Trichlorobenzene	15.697	180	506062	48.670	ug/l	98

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

