

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070386.D
 Acq On : 30 Dec 2021 8:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/30/2021
 Supervised By : Amit Patel 12/30/2021

Quant Time: Dec 30 09:51:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	890876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1502676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1430273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	613977	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	642180	50.135	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.260%	
35) Dibromofluoromethane	8.021	113	467908	51.464	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.920%	
50) Toluene-d8	10.443	98	1850842	49.832	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	12.731	95	688106	51.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.580%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	522993	51.766	ug/l	99
3) Chloromethane	2.303	50	698711	50.840	ug/l	99
4) Vinyl Chloride	2.448	62	640345	51.176	ug/l	98
5) Bromomethane	2.842	94	318808	49.364	ug/l	100
6) Chloroethane	3.014	64	375415	49.821	ug/l	97
7) Trichlorofluoromethane	3.374	101	748981	49.731	ug/l	99
8) Diethyl Ether	3.824	74	347691	52.370	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.205	101	468948	50.909	ug/l	97
10) Methyl Iodide	4.420	142	667527	53.547	ug/l	99
11) Tert butyl alcohol	5.382	59	627873	294.392	ug/l	98
12) 1,1-Dichloroethene	4.178	96	468918	51.682	ug/l	90
13) Acrolein	4.041	56	409700	236.751	ug/l	98
14) Allyl chloride	4.838	41	1093541	53.159	ug/l #	85
15) Acrylonitrile	5.557	53	1979494	297.426	ug/l	99
16) Acetone	4.288	43	1726051	207.580	ug/l	99
17) Carbon Disulfide	4.527	76	1363053	55.036	ug/l	99
18) Methyl Acetate	4.857	43	1349347	56.099	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	1786732	53.027	ug/l	94
20) Methylene Chloride	5.093	84	589144	51.210	ug/l	86
21) trans-1,2-Dichloroethene	5.597	96	502620	52.320	ug/l	87
22) Diisopropyl ether	6.498	45	2202394	54.968	ug/l #	91
23) Vinyl Acetate	6.434	43	8700388	279.873	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	1096270	52.768	ug/l	98
25) 2-Butanone	7.337	43	2819776	269.327	ug/l	91
26) 2,2-Dichloropropane	7.327	77	563287	34.369	ug/l	100
27) cis-1,2-Dichloroethene	7.324	96	607840	53.027	ug/l	90
28) Bromochloromethane	7.657	49	512414	50.433	ug/l #	76
29) Tetrahydrofuran	7.686	42	1885260	301.806	ug/l	87
30) Chloroform	7.818	83	1050454	52.411	ug/l	99
31) Cyclohexane	8.096	56	1041368	51.519	ug/l	86
32) 1,1,1-Trichloroethane	8.016	97	888223	52.560	ug/l	95
36) 1,1-Dichloropropene	8.223	75	775834	51.583	ug/l	96
37) Ethyl Acetate	7.415	43	1079512	55.372	ug/l	96
38) Carbon Tetrachloride	8.206	117	758989	52.847	ug/l	98
39) Methylcyclohexane	9.459	83	921447	50.604	ug/l	89
40) Benzene	8.461	78	2407899	52.220	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	583247	59.812	ug/l #	85
42) 1,2-Dichloroethane	8.531	62	885617	51.098	ug/l	98
43) Isopropyl Acetate	8.563	43	1719651	55.947	ug/l #	93
44) Trichloroethene	9.218	130	550510	50.246	ug/l	92
45) 1,2-Dichloropropane	9.491	63	663326	53.429	ug/l	99
46) Dibromomethane	9.577	93	410096	53.121	ug/l	95
47) Bromodichloromethane	9.762	83	867020	56.561	ug/l	99
48) Methyl methacrylate	9.561	41	803529	54.806	ug/l #	82
49) 1,4-Dioxane	9.572	88	255576	1190.853	ug/l #	83
51) 4-Methyl-2-Pentanone	10.331	43	5706361	295.451	ug/l	96
52) Toluene	10.505	92	1473640	52.799	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	861254	51.899	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	943166	52.540	ug/l	94
55) 1,1,2-Trichloroethane	10.899	97	586922	53.148	ug/l	97
56) Ethyl methacrylate	10.762	69	1025910	56.224	ug/l #	89
57) 1,3-Dichloropropane	11.044	76	1047619	53.635	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	1228084	262.493	ug/l	90
59) 2-Hexanone	11.084	43	4144944	294.286	ug/l	94
60) Dibromochloromethane	11.237	129	625047	58.011	ug/l	99
61) 1,2-Dibromoethane	11.347	107	599244	53.443	ug/l	100
64) Tetrachloroethene	10.977	164	489594	47.271	ug/l	97
65) Chlorobenzene	11.771	112	1530633	50.437	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.841	131	571715	52.771	ug/l	99
67) Ethyl Benzene	11.846	91	2888247	51.944	ug/l	96
68) m/p-Xylenes	11.953	106	2120842	104.785	ug/l	93
69) o-Xylene	12.280	106	1060491	52.677	ug/l	93
70) Styrene	12.294	104	1750750	54.946	ug/l	96
71) Bromoform	12.457	173	500824	62.288	ug/l #	100
73) Isopropylbenzene	12.578	105	2763440	48.467	ug/l	99
74) N-amyl acetate	12.388	43	1287511	53.705	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.827	83	970272	52.124	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	750690m	41.775	ug/l	
77) Bromobenzene	12.860	156	643329	49.146	ug/l	78
78) n-propylbenzene	12.921	91	3167271	50.136	ug/l	95
79) 2-Chlorotoluene	13.007	91	1936709	47.780	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2251339	49.274	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	267056	53.142	ug/l	94
82) 4-Chlorotoluene	13.104	91	1853611	48.819	ug/l	92
83) tert-Butylbenzene	13.324	119	1949279	48.451	ug/l	94
84) 1,2,4-Trimethylbenzene	13.367	105	2219545	50.448	ug/l	97
85) sec-Butylbenzene	13.501	105	2718397	49.768	ug/l	97
86) p-Isopropyltoluene	13.616	119	2146191	50.019	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	1061722	48.451	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1017892	47.090	ug/l	97
89) n-Butylbenzene	13.943	91	1745481	48.771	ug/l	97
90) Hexachloroethane	14.211	117	442601	59.377	ug/l	90
91) 1,2-Dichlorobenzene	13.989	146	1031116	47.998	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	182784	55.340	ug/l	81
93) 1,2,4-Trichlorobenzene	15.263	180	502364	49.631	ug/l	97
94) Hexachlorobutadiene	15.370	225	277470	47.167	ug/l	98
95) Naphthalene	15.507	128	1509943	53.833	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	498938	51.507	ug/l	99

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

