

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062123\
 Data File : VN078341.D
 Acq On : 21 Jun 2023 22:47
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 22 04:58:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/22/2023
 Supervised By : Mahesh Dadoda 06/22/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	390958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	732662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	636390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	252234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	279247	53.571	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.140%			
35) Dibromofluoromethane	8.177	113	242088	52.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.520%			
50) Toluene-d8	10.571	98	890572	49.867	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.740%			
62) 4-Bromofluorobenzene	12.853	95	284773	51.293	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	167650	37.935	ug/l	100
3) Chloromethane	2.371	50	201227	48.339	ug/l	97
4) Vinyl Chloride	2.524	62	278464	48.119	ug/l	99
5) Bromomethane	2.954	94	195519	44.706	ug/l	100
6) Chloroethane	3.124	64	194495	49.302	ug/l	99
7) Trichlorofluoromethane	3.506	101	353135	44.999	ug/l	99
8) Diethyl Ether	3.971	74	128632	46.650	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.389	101	199537	48.179	ug/l	99
10) Methyl Iodide	4.600	142	276314	47.177	ug/l	100
11) Tert butyl alcohol	5.542	59	168130	233.591	ug/l	99
12) 1,1-Dichloroethene	4.353	96	190107	44.529	ug/l	94
13) Acrolein	4.189	56	189317	238.654	ug/l	99
14) Allyl chloride	5.042	41	248630	47.708	ug/l	92
15) Acrylonitrile	5.730	53	485481	261.622	ug/l	100
16) Acetone	4.442	43	367661	245.042	ug/l	93
17) Carbon Disulfide	4.724	76	416130	37.869	ug/l	100
18) Methyl Acetate	5.036	43	358248	51.861	ug/l	89
19) Methyl tert-butyl Ether	5.812	73	695872	51.086	ug/l	95
20) Methylene Chloride	5.295	84	235037	47.404	ug/l	92
21) trans-1,2-Dichloroethene	5.795	96	211222	45.871	ug/l	93
22) Diisopropyl ether	6.683	45	663972	54.163	ug/l	93
23) Vinyl Acetate	6.612	43	1882219	258.296	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	418521	51.754	ug/l	98
25) 2-Butanone	7.494	43	596321	258.451	ug/l	88
26) 2,2-Dichloropropane	7.500	77	283935	47.552	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	258955	47.147	ug/l	93
28) Bromochloromethane	7.824	49	209447	56.410	ug/l	88
29) Tetrahydrofuran	7.847	42	390157	252.949	ug/l	86
30) Chloroform	7.977	83	463210	53.194	ug/l	97
31) Cyclohexane	8.265	56	281213	42.056	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	398834	52.169	ug/l	96
36) 1,1-Dichloropropene	8.383	75	310412	46.715	ug/l	97
37) Ethyl Acetate	7.571	43	257927	49.688	ug/l	95
38) Carbon Tetrachloride	8.371	117	343815	49.002	ug/l	98
39) Methylcyclohexane	9.606	83	266887	38.757	ug/l	90
40) Benzene	8.612	78	970629	48.929	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	134484	47.797	ug/l	94
42) 1,2-Dichloroethane	8.683	62	344865	50.703	ug/l	97
43) Isopropyl Acetate	8.700	43	521874	52.569	ug/l #	89
44) Trichloroethene	9.359	130	241847	46.164	ug/l	100
45) 1,2-Dichloropropane	9.630	63	257691	52.211	ug/l	94
46) Dibromomethane	9.718	93	175918	48.390	ug/l	95
47) Bromodichloromethane	9.894	83	367024	54.351	ug/l	97
48) Methyl methacrylate	9.688	41	209387	50.260	ug/l	91
49) 1,4-Dioxane	9.700	88	80037	914.058	ug/l	91
51) 4-Methyl-2-Pentanone	10.453	43	1380884	264.149	ug/l	93
52) Toluene	10.635	92	614048	49.026	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	366924	52.174	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	400748	51.549	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	254437	53.701	ug/l	95
56) Ethyl methacrylate	10.882	69	364273	52.801	ug/l	92
57) 1,3-Dichloropropane	11.165	76	413164	51.661	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	668309	239.798	ug/l	92
59) 2-Hexanone	11.200	43	958558	263.342	ug/l	91
60) Dibromochloromethane	11.365	129	276707	53.371	ug/l	98
61) 1,2-Dibromoethane	11.476	107	246970	49.670	ug/l	100
64) Tetrachloroethene	11.112	164	180851	42.598	ug/l	98
65) Chlorobenzene	11.894	112	650606	47.738	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	255422	50.956	ug/l	97
67) Ethyl Benzene	11.971	91	1144071	48.651	ug/l	100
68) m/p-Xylenes	12.076	106	856039	95.519	ug/l	97
69) o-Xylene	12.400	106	426247	48.433	ug/l	97
70) Styrene	12.418	104	709411	51.202	ug/l	98
71) Bromoform	12.582	173	173347	53.587	ug/l #	100
73) Isopropylbenzene	12.700	105	1038000	43.518	ug/l	99
74) N-amyl acetate	12.500	43	369181	47.002	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	353205	54.038	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	281755m	47.251	ug/l	
77) Bromobenzene	12.982	156	249199	45.006	ug/l	100
78) n-propylbenzene	13.041	91	1157182	44.654	ug/l	99
79) 2-Chlorotoluene	13.129	91	736825	44.048	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	845613	43.789	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	98388	50.693	ug/l	92
82) 4-Chlorotoluene	13.223	91	704360	45.116	ug/l	99
83) tert-Butylbenzene	13.441	119	729857	43.479	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	850307	45.417	ug/l	99
85) sec-Butylbenzene	13.623	105	917449	41.757	ug/l	100
86) p-Isopropyltoluene	13.735	119	756652	42.438	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	412781	44.073	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	401846	44.465	ug/l	99
89) n-Butylbenzene	14.059	91	589822	41.941	ug/l	97
90) Hexachloroethane	14.341	117	150949	47.707	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	417302	45.590	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	55121	46.656	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	138324	42.414	ug/l	99
94) Hexachlorobutadiene	15.506	225	75362	46.980	ug/l	95
95) Naphthalene	15.647	128	413400	37.684	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	149031	40.858	ug/l	99

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

