

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061323\
 Data File : VN078190.D
 Acq On : 13 Jun 2023 17:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/14/2023
 Supervised By : Mahesh Dadoda 06/14/2023

Quant Time: Jun 14 02:22:19 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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	469864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	830046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	744134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	299703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	345203	55.103	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.200%			
35) Dibromofluoromethane	8.177	113	293701	55.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.920%			
50) Toluene-d8	10.571	98	1108994	54.812	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.620%			
62) 4-Bromofluorobenzene	12.853	95	360040	57.242	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	246225	46.359	ug/l	93
3) Chloromethane	2.371	50	254817	51.034	ug/l	98
4) Vinyl Chloride	2.518	62	346688	49.848	ug/l	95
5) Bromomethane	2.948	94	250165	47.595	ug/l	98
6) Chloroethane	3.118	64	237008	49.990	ug/l	99
7) Trichlorofluoromethane	3.501	101	464762	49.278	ug/l	97
8) Diethyl Ether	3.971	74	165860	50.050	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	250342	50.295	ug/l	96
10) Methyl Iodide	4.601	142	363722	51.672	ug/l	97
11) Tert butyl alcohol	5.530	59	236296	273.165	ug/l	100
12) 1,1-Dichloroethene	4.348	96	247482	48.233	ug/l	94
13) Acrolein	4.189	56	245898	257.924	ug/l	97
14) Allyl chloride	5.030	41	360309	57.527	ug/l	95
15) Acrylonitrile	5.730	53	614008	275.318	ug/l	100
16) Acetone	4.442	43	479618	265.979	ug/l	90
17) Carbon Disulfide	4.718	76	632093	47.862	ug/l	97
18) Methyl Acetate	5.036	43	439237	52.908	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	868816	53.072	ug/l	97
20) Methylene Chloride	5.283	84	286759	48.124	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	273149	49.358	ug/l	90
22) Diisopropyl ether	6.683	45	816049	55.390	ug/l #	92
23) Vinyl Acetate	6.612	43	2425032	276.900	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	510623	52.539	ug/l	98
25) 2-Butanone	7.489	43	780210	281.363	ug/l	90
26) 2,2-Dichloropropane	7.500	77	441766	61.560	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	329233	49.876	ug/l	93
28) Bromochloromethane	7.818	49	251501	56.361	ug/l	93
29) Tetrahydrofuran	7.841	42	517002	278.897	ug/l	85
30) Chloroform	7.971	83	565182	54.004	ug/l	96
31) Cyclohexane	8.259	56	396330	49.318	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	495970	53.980	ug/l	98
36) 1,1-Dichloropropene	8.383	75	404220	53.695	ug/l	98
37) Ethyl Acetate	7.571	43	335565	57.060	ug/l	95
38) Carbon Tetrachloride	8.371	117	437726	55.068	ug/l	99
39) Methylcyclohexane	9.606	83	374214	47.967	ug/l	96
40) Benzene	8.612	78	1199254	53.361	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	176108	55.247	ug/l	91
42) 1,2-Dichloroethane	8.677	62	420760	54.603	ug/l	97
43) Isopropyl Acetate	8.694	43	576491	51.258	ug/l	95
44) Trichloroethene	9.359	130	308083	51.908	ug/l	98
45) 1,2-Dichloropropane	9.630	63	306398	54.796	ug/l	93
46) Dibromomethane	9.712	93	214703	52.130	ug/l	93
47) Bromodichloromethane	9.894	83	440624	57.595	ug/l	97
48) Methyl methacrylate	9.688	41	269688	57.139	ug/l	90
49) 1,4-Dioxane	9.700	88	111759	1126.593	ug/l #	91
51) 4-Methyl-2-Pentanone	10.453	43	1735653	293.060	ug/l	93
52) Toluene	10.635	92	765398	53.940	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	469611	58.941	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	502697	57.076	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	303548	56.550	ug/l	97
56) Ethyl methacrylate	10.882	69	455861	58.324	ug/l	91
57) 1,3-Dichloropropane	11.171	76	509582	56.241	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	942969	298.654	ug/l	92
59) 2-Hexanone	11.200	43	1231774	298.699	ug/l	92
60) Dibromochloromethane	11.365	129	338660	57.656	ug/l	100
61) 1,2-Dibromoethane	11.477	107	310175	55.063	ug/l	99
64) Tetrachloroethene	11.112	164	254881	51.342	ug/l	99
65) Chlorobenzene	11.900	112	823027	51.646	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	311644	53.170	ug/l	99
67) Ethyl Benzene	11.971	91	1467700	53.376	ug/l	99
68) m/p-Xylenes	12.076	106	1102718	105.228	ug/l	97
69) o-Xylene	12.406	106	544570	52.918	ug/l	97
70) Styrene	12.418	104	885023	54.628	ug/l	98
71) Bromoform	12.582	173	216992	57.367	ug/l #	100
73) Isopropylbenzene	12.700	105	1337625	47.198	ug/l	99
74) N-amyl acetate	12.500	43	473212	50.704	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	422930	54.476	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	346906m	48.963	ug/l	
77) Bromobenzene	12.988	156	319540	48.570	ug/l	98
78) n-propylbenzene	13.041	91	1510955	49.070	ug/l	100
79) 2-Chlorotoluene	13.129	91	949451	47.769	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	1080666	47.097	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	135086m	58.578	ug/l	
82) 4-Chlorotoluene	13.229	91	915828	49.370	ug/l	99
83) tert-Butylbenzene	13.447	119	900898	45.168	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1073741	48.267	ug/l	99
85) sec-Butylbenzene	13.623	105	1155932	44.279	ug/l	99
86) p-Isopropyltoluene	13.735	119	960032	45.317	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	543908	48.876	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	527035	49.080	ug/l	100
89) n-Butylbenzene	14.065	91	749902	44.878	ug/l	99
90) Hexachloroethane	14.341	117	177102	47.107	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	535811	49.265	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.729	75	70694	50.360	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	193585	49.956	ug/l	98
94) Hexachlorobutadiene	15.512	225	87956	46.096	ug/l	99
95) Naphthalene	15.647	128	650352	49.893	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	201285	46.443	ug/l	97

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

