

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011223\
 Data File : VN076234.D
 Acq On : 12 Jan 2023 17:11
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 13 05:20:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/13/2023
 Supervised By : Mahesh Dadoda 01/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	352078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	569874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	510889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	256791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	181944	47.501	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.000%		
35) Dibromofluoromethane	8.171	113	166457	47.166	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.340%		
50) Toluene-d8	10.571	98	597198	45.259	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.520%		
62) 4-Bromofluorobenzene	12.853	95	215128	49.224	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	156493	62.600	ug/l	98
3) Chloromethane	2.377	50	154325	49.645	ug/l	96
4) Vinyl Chloride	2.530	62	193801	52.265	ug/l	99
5) Bromomethane	2.947	94	158819	50.398	ug/l	99
6) Chloroethane	3.124	64	163656	59.600	ug/l	100
7) Trichlorofluoromethane	3.506	101	278389	49.478	ug/l	97
8) Diethyl Ether	3.977	74	104715	50.955	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	164228	51.116	ug/l	99
10) Methyl Iodide	4.600	142	254543	48.818	ug/l	99
11) Tert butyl alcohol	5.536	59	123342	227.577	ug/l	99
12) 1,1-Dichloroethene	4.353	96	152188	48.772	ug/l	92
13) Acrolein	4.189	56	156357	235.318	ug/l	100
14) Allyl chloride	5.036	41	200724	55.027	ug/l	98
15) Acrylonitrile	5.730	53	363207	245.571	ug/l	100
16) Acetone	4.441	43	320718	242.900	ug/l	96
17) Carbon Disulfide	4.724	76	337480	44.669	ug/l #	95
18) Methyl Acetate	5.036	43	208172	53.338	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	552568	53.774	ug/l	96
20) Methylene Chloride	5.289	84	175075	49.561	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	164135	48.030	ug/l	91
22) Diisopropyl ether	6.683	45	453056	51.127	ug/l	98
23) Vinyl Acetate	6.612	43	1397905	234.377	ug/l	99
24) 1,1-Dichloroethane	6.583	63	291966	49.404	ug/l	100
25) 2-Butanone	7.494	43	460388	249.025	ug/l	95
26) 2,2-Dichloropropane	7.500	77	250655	50.084	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	200073	48.952	ug/l	97
28) Bromochloromethane	7.818	49	114544	44.221	ug/l	98
29) Tetrahydrofuran	7.847	42	294281	254.004	ug/l	99
30) Chloroform	7.971	83	323488	48.617	ug/l	97
31) Cyclohexane	8.265	56	247965	45.203	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	291073	49.343	ug/l	97
36) 1,1-Dichloropropene	8.377	75	228740	48.791	ug/l	99
37) Ethyl Acetate	7.565	43	189645	50.361	ug/l	99
38) Carbon Tetrachloride	8.365	117	260817	49.707	ug/l	100
39) Methylcyclohexane	9.606	83	287871	50.898	ug/l	98
40) Benzene	8.612	78	703170	48.613	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	101198	51.701	ug/l	98
42) 1,2-Dichloroethane	8.677	62	238152	49.524	ug/l	99
43) Isopropyl Acetate	8.694	43	322454	51.910	ug/l	99
44) Trichloroethene	9.353	130	197754	48.530	ug/l	93
45) 1,2-Dichloropropane	9.624	63	169419	48.132	ug/l	97
46) Dibromomethane	9.712	93	124314	47.617	ug/l	98
47) Bromodichloromethane	9.888	83	256532	50.107	ug/l	99
48) Methyl methacrylate	9.682	41	149447	53.417	ug/l	98
49) 1,4-Dioxane	9.694	88	63967	930.011	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	970827	258.429	ug/l	98
52) Toluene	10.629	92	464803	49.340	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	258832	51.647	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	282851	51.405	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	181697	49.140	ug/l	99
56) Ethyl methacrylate	10.876	69	263281	53.607	ug/l	99
57) 1,3-Dichloropropane	11.165	76	300588	49.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	485786	310.669	ug/l	99
59) 2-Hexanone	11.200	43	710403	259.309	ug/l	99
60) Dibromochloromethane	11.359	129	205936	50.082	ug/l	100
61) 1,2-Dibromoethane	11.470	107	185714	49.632	ug/l	99
64) Tetrachloroethene	11.106	164	206150	57.343	ug/l	99
65) Chlorobenzene	11.894	112	501852	47.860	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	190649	49.087	ug/l	99
67) Ethyl Benzene	11.965	91	897425	50.709	ug/l	99
68) m/p-Xylenes	12.070	106	715062	102.084	ug/l	100
69) o-Xylene	12.400	106	353040	50.930	ug/l	100
70) Styrene	12.412	104	585146	53.090	ug/l	99
71) Bromoform	12.582	173	147386	52.150	ug/l #	99
73) Isopropylbenzene	12.700	105	936309	50.456	ug/l	99
74) N-amyl acetate	12.494	43	280664	51.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	249143	43.430	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	256963m	49.642	ug/l	
77) Bromobenzene	12.982	156	222477	47.373	ug/l	99
78) n-propylbenzene	13.035	91	1056105	51.600	ug/l	99
79) 2-Chlorotoluene	13.129	91	618903	48.442	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	789601	50.840	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	72445	50.377	ug/l	98
82) 4-Chlorotoluene	13.129	91	618903	48.442	ug/l	100
83) tert-Butylbenzene	13.441	119	723991	52.871	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	797473	51.759	ug/l	98
85) sec-Butylbenzene	13.617	105	999395	52.877	ug/l	99
86) p-Isopropyltoluene	13.735	119	841734	53.523	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	420335	48.454	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	407861	46.023	ug/l	99
89) n-Butylbenzene	14.059	91	685118	53.774	ug/l	100
90) Hexachloroethane	14.335	117	140593	49.977	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	414647	48.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	45995	45.185	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	212597	50.255	ug/l	99
94) Hexachlorobutadiene	15.506	225	112980	48.951	ug/l	99
95) Naphthalene	15.647	128	623025	44.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	202346	51.176	ug/l	98

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

