

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012423\
 Data File : VN076371.D
 Acq On : 24 Jan 2023 10:06
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 25 06:19:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/25/2023
 Supervised By : Semsettin Yesilyurt 01/26/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	391184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	625240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	557355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	275008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	226388	51.686	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.380%			
35) Dibromofluoromethane	8.171	113	198395	50.726	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.460%			
50) Toluene-d8	10.570	98	737810	51.080	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.853	95	258227	54.763	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	187619	46.803	ug/l	99
3) Chloromethane	2.371	50	187140	45.089	ug/l	97
4) Vinyl Chloride	2.530	62	251218	49.362	ug/l	99
5) Bromomethane	2.953	94	202171	48.509	ug/l	96
6) Chloroethane	3.124	64	187312	49.084	ug/l	98
7) Trichlorofluoromethane	3.506	101	331210	47.305	ug/l	98
8) Diethyl Ether	3.971	74	119106	50.717	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	192543	48.577	ug/l	99
10) Methyl Iodide	4.600	142	287742	47.526	ug/l	98
11) Tert butyl alcohol	5.530	59	114432	195.324	ug/l	100
12) 1,1-Dichloroethene	4.347	96	178201	47.560	ug/l	90
13) Acrolein	4.189	56	145551	207.743	ug/l	99
14) Allyl chloride	5.036	41	237407	54.372	ug/l	91
15) Acrylonitrile	5.730	53	380182	228.041	ug/l	99
16) Acetone	4.441	43	422419	300.861	ug/l	99
17) Carbon Disulfide	4.724	76	415844	44.574	ug/l	97
18) Methyl Acetate	5.041	43	215440	45.275	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	609168	49.940	ug/l	99
20) Methylene Chloride	5.288	84	198726	47.804	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	191141	47.090	ug/l	98
22) Diisopropyl ether	6.683	45	533572	51.818	ug/l	99
23) Vinyl Acetate	6.612	43	1695026	254.705	ug/l	99
24) 1,1-Dichloroethane	6.577	63	335498	48.880	ug/l	99
25) 2-Butanone	7.488	43	518183	241.635	ug/l	96
26) 2,2-Dichloropropane	7.494	77	298972	51.681	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	230257	48.637	ug/l	99
28) Bromochloromethane	7.818	49	146426	52.633	ug/l	95
29) Tetrahydrofuran	7.841	42	306778	231.785	ug/l	98
30) Chloroform	7.971	83	379026	49.907	ug/l	99
31) Cyclohexane	8.265	56	302554	44.967	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	346051	49.907	ug/l	96
36) 1,1-Dichloropropene	8.377	75	270710	48.710	ug/l	99
37) Ethyl Acetate	7.565	43	199490	44.755	ug/l	98
38) Carbon Tetrachloride	8.371	117	311231	50.218	ug/l	97
39) Methylcyclohexane	9.606	83	350522	51.647	ug/l	97
40) Benzene	8.612	78	806336	48.521	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	112082	48.020	ug/l	97
42) 1,2-Dichloroethane	8.676	62	282253	49.641	ug/l	99
43) Isopropyl Acetate	8.694	43	355345	49.001	ug/l	99
44) Trichloroethene	9.359	130	217811	46.341	ug/l	100
45) 1,2-Dichloropropane	9.623	63	195930	49.244	ug/l	97
46) Dibromomethane	9.712	93	144882	48.230	ug/l	99
47) Bromodichloromethane	9.888	83	301065	51.673	ug/l	95
48) Methyl methacrylate	9.682	41	168859	49.185	ug/l	97
49) 1,4-Dioxane	9.700	88	64549	891.053	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	1028828	241.673	ug/l	98
52) Toluene	10.635	92	539766	48.570	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	305720	55.044	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	334642	52.371	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	206420	48.594	ug/l	98
56) Ethyl methacrylate	10.876	69	290570	52.984	ug/l	98
57) 1,3-Dichloropropane	11.165	76	337920	48.952	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	419474	226.574	ug/l	99
59) 2-Hexanone	11.194	43	769696	249.501	ug/l	100
60) Dibromochloromethane	11.359	129	241713	54.055	ug/l	100
61) 1,2-Dibromoethane	11.470	107	207738	48.994	ug/l	99
64) Tetrachloroethene	11.106	164	209149	41.611	ug/l	99
65) Chlorobenzene	11.894	112	571865	48.538	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	223596	51.008	ug/l	100
67) Ethyl Benzene	11.965	91	1043561	51.753	ug/l	100
68) m/p-Xylenes	12.070	106	827773	102.376	ug/l	99
69) o-Xylene	12.400	106	405553	51.075	ug/l	97
70) Styrene	12.412	104	672173	53.017	ug/l	99
71) Bromoform	12.582	173	168892	53.351	ug/l #	99
73) Isopropylbenzene	12.700	105	1075142	50.536	ug/l	100
74) N-amyl acetate	12.500	43	303947	49.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	280643	45.888	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	255418m	51.001	ug/l	
77) Bromobenzene	12.982	156	250922	50.453	ug/l	99
78) n-propylbenzene	13.041	91	1225677	51.059	ug/l	100
79) 2-Chlorotoluene	13.129	91	712376	48.361	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	909277	51.017	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	80252	48.553	ug/l	97
82) 4-Chlorotoluene	13.129	91	712376	48.361	ug/l	100
83) tert-Butylbenzene	13.441	119	794190	50.100	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	914819	51.188	ug/l	100
85) sec-Butylbenzene	13.617	105	1147206	52.155	ug/l	99
86) p-Isopropyltoluene	13.735	119	983384	54.368	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	478946	47.764	ug/l	100
88) 1,4-Dichlorobenzene	13.817	146	469045	49.174	ug/l	99
89) n-Butylbenzene	14.058	91	808603	56.315	ug/l	99
90) Hexachloroethane	14.335	117	171271	54.863	ug/l	99
91) 1,2-Dichlorobenzene	14.111	146	466705	46.730	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	51538	48.479	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	256235	53.016	ug/l	99
94) Hexachlorobutadiene	15.505	225	137730	51.967	ug/l	98
95) Naphthalene	15.647	128	708492	49.599	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	241267	52.393	ug/l	99

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

