

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021723\
 Data File : VU053120.D
 Acq On : 17 Feb 2023 09:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050156

Quant Time: Feb 17 11:12:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 17 11:12:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	265509	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	244381	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	126690	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	112909	46.292	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.580%
7) Chloroethane-d5	1.913	69	98068	47.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.020%
11) 1,1-Dichloroethene-d2	2.566	63	206138	49.273	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.540%
21) 2-Butanone-d5	4.624	46	130303	102.221	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.220%
24) Chloroform-d	5.058	84	215766	50.148	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.300%
26) 1,2-Dichloroethane-d4	5.694	65	134972	49.329	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.660%
32) Benzene-d6	5.723	84	435523	49.957	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.920%
36) 1,2-Dichloropropane-d6	6.685	67	144041	50.575	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.160%
41) Toluene-d8	7.894	98	402071	49.809	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.620%
43) trans-1,3-Dichloroprop...	8.173	79	68262	47.060	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.120%
47) 2-Hexanone-d5	8.627	63	98648	100.270	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.270%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	189056	49.875	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.760%
66) 1,2-Dichlorobenzene-d4	12.189	152	142334	50.537	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	135015	49.697	ug/L	98
3) Chloromethane	1.518	50	126782	47.874	ug/L	98
5) Vinyl chloride	1.605	62	134201	47.282	ug/L	98
6) Bromomethane	1.859	94	81139	44.970	ug/L	99
8) Chloroethane	1.933	64	81431	47.133	ug/L	100
9) Trichlorofluoromethane	2.135	101	179408	48.612	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	103705	50.261	ug/L	99
12) 1,1-Dichloroethene	2.576	96	95063	48.687	ug/L	90
13) Acetone	2.637	43	75977	94.216	ug/L	97
14) Carbon disulfide	2.791	76	296102	46.790	ug/L	100
15) Methyl Acetate	2.949	43	88741	51.060	ug/L	100
16) Methylene chloride	3.042	84	133426	59.446	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	97389	49.102	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	340889	51.146	ug/L	100
19) 1,1-Dichloroethane	3.865	63	195021	50.121	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	114138	49.415	ug/L	99
22) 2-Butanone	4.704	43	121864	99.453	ug/L	99
23) Bromochloromethane	4.968	128	56465	52.077	ug/L	97
25) Chloroform	5.084	83	199889	50.412	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	156626	50.894	ug/L	100
29) Cyclohexane	5.383	56	181959	50.386	ug/L	100
30) 1,1,1-Trichloroethane	5.312	97	173272	50.744	ug/L	99
31) Carbon tetrachloride	5.521	117	145803	50.251	ug/L	98
33) Benzene	5.768	78	430580	50.089	ug/L	100
34) Trichloroethene	6.537	95	114136	51.168	ug/L	98
35) Methylcyclohexane	6.759	83	189117	48.950	ug/L	99
37) 1,2-Dichloropropane	6.784	63	120152	50.686	ug/L	100
38) Bromodichloromethane	7.100	83	153757	51.566	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	192144	49.361	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	256568	101.635	ug/L	100
42) Toluene	7.964	91	462752	50.607	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	175036	48.545	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	109908	51.126	ug/L	99
46) Tetrachloroethene	8.550	164	75773	51.279	ug/L	97
48) 2-Hexanone	8.678	43	193647	97.215	ug/L	100
49) Dibromochloromethane	8.804	129	116725	52.569	ug/L	100
50) 1,2-Dibromoethane	8.919	107	117749	51.565	ug/L	98
51) Chlorobenzene	9.443	112	288522	50.934	ug/L	99
52) Ethylbenzene	9.566	91	516524	50.650	ug/L	99
53) m,p-Xylene	9.691	106	196344	51.202	ug/L	99
54) o-xylene	10.096	106	195289	51.367	ug/L	99
55) Styrene	10.109	104	324297	51.428	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	177255	50.832	ug/L	99
59) Bromoform	10.286	173	82411	52.847	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	133346	50.429	ug/L	99
61) Isopropylbenzene	10.479	105	515068	50.925	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	430412	50.260	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	418069	50.436	ug/L	100
64) 1,3-Dichlorobenzene	11.739	146	209965	50.693	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	213539	50.818	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	212724	50.815	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	39240	50.342	ug/L	90
69) 1,3,5-Trichlorobenzene	13.215	180	143192	50.998	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	131373	49.438	ug/L	100
71) Naphthalene	14.080	128	468907	45.960	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	135107	50.635	ug/L	99

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

