

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	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	244381	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	126690	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	112909	46.29	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.58%		
7) Chloroethane-d5	1.913	69	98068	47.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.02%		
11) 1,1-Dichloroethene-d2	2.566	63	206138	49.27	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.54%		
21) 2-Butanone-d5	4.624	46	130303	102.22	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.22%		
24) Chloroform-d	5.058	84	215766	50.15	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.30%		
26) 1,2-Dichloroethane-d4	5.694	65	134972	49.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.66%		
32) Benzene-d6	5.723	84	435523	49.96	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.92%		
36) 1,2-Dichloropropane-d6	6.685	67	144041	50.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.16%		
41) Toluene-d8	7.894	98	402071	49.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.62%		
43) trans-1,3-Dichloroprop...	8.173	79	68262	47.06	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.12%		
47) 2-Hexanone-d5	8.627	63	98648	100.27	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.27%		
56) 1,1,2,2-Tetrachloroeth...	10.752	84	189056	49.88	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.76%		
66) 1,2-Dichlorobenzene-d4	12.189	152	142334	50.54	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.08%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	135015	49.70	ug/L	98
3) Chloromethane	1.518	50	126782	47.87	ug/L	98
5) Vinyl chloride	1.605	62	134201	47.28	ug/L	98
6) Bromomethane	1.859	94	81139	44.97	ug/L	99
8) Chloroethane	1.933	64	81431	47.13	ug/L	100
9) Trichlorofluoromethane	2.135	101	179408	48.61	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	103705	50.26	ug/L	99
12) 1,1-Dichloroethene	2.576	96	95063	48.69	ug/L	90
13) Acetone	2.637	43	75977	94.22	ug/L	97
14) Carbon disulfide	2.791	76	296102	46.79	ug/L	100
15) Methyl Acetate	2.949	43	88741	51.06	ug/L	100
16) Methylene chloride	3.042	84	133426	59.45	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	97389	49.10	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	340889	51.15	ug/L	100
19) 1,1-Dichloroethane	3.865	63	195021	50.12	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	114138	49.41	ug/L	99
22) 2-Butanone	4.704	43	121864	99.45	ug/L	99
23) Bromochloromethane	4.968	128	56465	52.08	ug/L	97
25) Chloroform	5.084	83	199889	50.41	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	156626	50.89	ug/L	100
29) Cyclohexane	5.383	56	181959	50.39	ug/L	100
30) 1,1,1-Trichloroethane	5.312	97	173272	50.74	ug/L	99
31) Carbon tetrachloride	5.521	117	145803	50.25	ug/L	98
33) Benzene	5.768	78	430580	50.09	ug/L	100
34) Trichloroethene	6.537	95	114136	51.17	ug/L	98
35) Methylcyclohexane	6.759	83	189117	48.95	ug/L	99
37) 1,2-Dichloropropane	6.784	63	120152	50.69	ug/L	100
38) Bromodichloromethane	7.100	83	153757	51.57	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	192144	49.36	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	256568	101.63	ug/L	100
42) Toluene	7.964	91	462752	50.61	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	175036	48.54	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	109908	51.13	ug/L	99
46) Tetrachloroethene	8.550	164	75773	51.28	ug/L	97
48) 2-Hexanone	8.678	43	193647	97.22	ug/L	100
49) Dibromochloromethane	8.804	129	116725	52.57	ug/L	100
50) 1,2-Dibromoethane	8.919	107	117749	51.57	ug/L	98
51) Chlorobenzene	9.443	112	288522	50.93	ug/L	99
52) Ethylbenzene	9.566	91	516524	50.65	ug/L	99
53) m,p-Xylene	9.691	106	196344	51.20	ug/L	99
54) o-xylene	10.096	106	195289	51.37	ug/L	99
55) Styrene	10.109	104	324297	51.43	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	177255	50.83	ug/L	99
59) Bromoform	10.286	173	82411	52.85	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	133346	50.43	ug/L	99
61) Isopropylbenzene	10.479	105	515068	50.93	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	430412	50.26	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	418069	50.44	ug/L	100
64) 1,3-Dichlorobenzene	11.739	146	209965	50.69	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	213539	50.82	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	212724	50.82	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	39240	50.34	ug/L	90
69) 1,3,5-Trichlorobenzene	13.215	180	143192	51.00	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	131373	49.44	ug/L	100
71) Naphthalene	14.080	128	468907	45.96	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	135107	50.64	ug/L	99

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

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