

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051421\
 Data File : VU043719.D
 Acq On : 13 May 2021 23:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050138

Quant Time: May 14 04:39:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 14 04:23:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	478596	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	460755	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	243673	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	189934	47.93	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.86%		
7) Chloroethane-d5	1.909	69	136350	47.85	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.70%		
11) 1,1-Dichloroethene-d2	2.571	63	328364	48.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.34%		
21) 2-Butanone-d5	4.626	46	309799	99.94	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.94%		
24) Chloroform-d	5.073	84	327421	48.70	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.40%		
26) 1,2-Dichloroethane-d4	5.710	65	198686	47.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.32%		
32) Benzene-d6	5.735	84	672037	49.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.44%		
36) 1,2-Dichloropropane-d6	6.697	67	220153	49.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.86%		
41) Toluene-d8	7.906	98	612390	49.84	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.68%		
43) trans-1,3-Dichloroprop...	8.185	79	96953	49.79	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.58%		
47) 2-Hexanone-d5	8.639	63	217027	101.76	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.76%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	323293	47.96	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.92%		
66) 1,2-Dichlorobenzene-d4	12.198	152	237499	49.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.78%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	187600	46.57	ug/L	100
3) Chloromethane	1.520	50	223739	45.94	ug/L	100
5) Vinyl chloride	1.607	62	226672	47.87	ug/L	100
6) Bromomethane	1.848	94	128862	55.81	ug/L	97
8) Chloroethane	1.932	64	127173	47.44	ug/L	99
9) Trichlorofluoromethane	2.141	101	253372	47.34	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	165695	47.30	ug/L	99
12) 1,1-Dichloroethene	2.584	96	165397	47.87	ug/L	99
13) Acetone	2.629	43	211813	97.87	ug/L	100
14) Carbon disulfide	2.800	76	524028	48.04	ug/L	100
15) Methyl Acetate	2.951	43	239872	48.84	ug/L	99
16) Methylene chloride	3.054	84	219750	42.47	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	173703	48.60	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	539733	49.78	ug/L	100
19) 1,1-Dichloroethane	3.877	63	336578	48.17	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	193314	49.09	ug/L	99
22) 2-Butanone	4.706	43	349022	97.97	ug/L	99
23) Bromochloromethane	4.983	128	101402	47.45	ug/L	98
25) Chloroform	5.095	83	329396	48.14	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	252713	47.91	ug/L	99
29) Cyclohexane	5.398	56	310176	50.58	ug/L	99
30) 1,1,1-Trichloroethane	5.324	97	273083	49.17	ug/L	98
31) Carbon tetrachloride	5.533	117	221675	48.61	ug/L	100
33) Benzene	5.780	78	760293	48.81	ug/L	100
34) Trichloroethene	6.549	95	184464	48.69	ug/L	96
35) Methylcyclohexane	6.771	83	298174	49.79	ug/L	99
37) 1,2-Dichloropropane	6.796	63	206557	48.56	ug/L	99
38) Bromodichloromethane	7.111	83	243929	48.43	ug/L	100
39) cis-1,3-Dichloropropene	7.613	75	291286	50.13	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	640804	100.09	ug/L	100
42) Toluene	7.976	91	807009	49.57	ug/L	99
44) trans-1,3-Dichloropropene	8.218	75	275081	50.34	ug/L	99
45) 1,1,2-Trichloroethane	8.407	97	190508	48.62	ug/L	99
46) Tetrachloroethene	8.558	164	145292	48.75	ug/L	99
48) 2-Hexanone	8.690	43	520689	101.28	ug/L	99
49) Dibromochloromethane	8.816	129	195288	48.58	ug/L	99
50) 1,2-Dibromoethane	8.931	107	198947	48.87	ug/L	100
51) Chlorobenzene	9.452	112	485086	48.11	ug/L	100
52) Ethylbenzene	9.578	91	844678	50.26	ug/L	100
53) m,p-Xylene	9.700	106	324520	51.00	ug/L	99
54) o-xylene	10.105	106	319415	50.73	ug/L	100
55) Styrene	10.121	104	544950	51.33	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.790	83	338000	47.32	ug/L	98
59) Bromoform	10.298	173	153671	48.25	ug/L #	98
60) 1,2,3-Trichloropropane	10.828	75	275043	48.36	ug/L	99
61) Isopropylbenzene	10.491	105	817740	51.37	ug/L	100
62) 1,3,5-Trimethylbenzene	11.095	105	692499	52.39	ug/L	100
63) 1,2,4-Trimethylbenzene	11.475	105	703754	53.02	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	382613	49.43	ug/L	100
65) 1,4-Dichlorobenzene	11.841	146	387948	49.13	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	398974	49.48	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	77806	49.97	ug/L	92
69) 1,3,5-Trichlorobenzene	13.224	180	286497	49.94	ug/L	99
70) 1,2,4-trichlorobenzene	13.848	180	254104	51.85	ug/L	100
71) Naphthalene	14.092	128	923673	56.49	ug/L	100
72) 1,2,3-Trichlorobenzene	14.336	180	276145	53.52	ug/L	99

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

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