

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101623\
 Data File : VU055783.D
 Acq On : 16 Oct 2023 19:38
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

Quant Time: Oct 17 05:10:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 17 05:06:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	459187	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	477328	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	275357	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	166433	40.409	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.820%
7) Chloroethane-d5	1.888	69	146225	43.432	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.860%
11) 1,1-Dichloroethene-d2	2.560	63	324209	44.147	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.300%
21) 2-Butanone-d5	4.615	46	235313	77.104	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.100%
24) Chloroform-d	5.055	84	365798	46.327	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.660%
26) 1,2-Dichloroethane-d4	5.695	65	233826	48.111	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.220%
32) Benzene-d6	5.721	84	697659	45.681	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.360%
36) 1,2-Dichloropropane-d6	6.682	67	215181	44.506	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.020%
41) Toluene-d8	7.894	98	640527	46.447	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.900%
43) trans-1,3-Dichloroprop...	8.174	79	103517	44.571	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.140%
47) 2-Hexanone-d5	8.631	63	138805	73.027	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.030%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	368203	49.476	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.960%
66) 1,2-Dichlorobenzene-d4	12.190	152	273445	50.042	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	207102	54.167	ug/L	100
3) Chloromethane	1.518	50	189574	52.400	ug/L	100
5) Vinyl chloride	1.602	62	201798	50.686	ug/L	97
6) Bromomethane	1.830	94	85188	33.470	ug/L	97
8) Chloroethane	1.914	64	132179	50.613	ug/L	96
9) Trichlorofluoromethane	2.126	101	308586	54.248	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	178681	48.843	ug/L	100
12) 1,1-Dichloroethene	2.573	96	160447	49.287	ug/L	91
13) Acetone	2.618	43	216699	76.514	ug/L	99
14) Carbon disulfide	2.785	76	438801	44.293	ug/L	98
15) Methyl Acetate	2.940	43	184804	42.608	ug/L	96
16) Methylene chloride	3.036	84	192620	48.792	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	159453	47.901	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	550755	51.447	ug/L	99
19) 1,1-Dichloroethane	3.862	63	328401	48.107	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	196348	51.682	ug/L	98
22) 2-Butanone	4.695	43	293434	85.960	ug/L	98
23) Bromochloromethane	4.965	128	106131	53.940	ug/L	92
25) Chloroform	5.081	83	369396	51.800	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	299218	52.461	ug/L	99
29) Cyclohexane	5.383	56	271119	49.554	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	326459	52.937	ug/L	98
31) Carbon tetrachloride	5.518	117	280893	52.038	ug/L	99
33) Benzene	5.766	78	776892	51.489	ug/L	100
34) Trichloroethene	6.538	95	209355	50.709	ug/L	99
35) Methylcyclohexane	6.756	83	295488	49.330	ug/L	100
37) 1,2-Dichloropropane	6.785	63	211224	50.837	ug/L	99
38) Bromodichloromethane	7.100	83	283025	51.654	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	313138	49.538	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	582533	100.781	ug/L	98
42) Toluene	7.965	91	843217	52.961	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	311542	51.511	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	215304	52.553	ug/L	98
46) Tetrachloroethene	8.550	164	146686	49.625	ug/L	97
48) 2-Hexanone	8.682	43	497921	101.984	ug/L	98
49) Dibromochloromethane	8.804	129	223172	53.312	ug/L	98
50) 1,2-Dibromoethane	8.920	107	224838	51.094	ug/L	99
51) Chlorobenzene	9.444	112	537260	52.155	ug/L	99
52) Ethylbenzene	9.566	91	927831	53.304	ug/L	99
53) m,p-Xylene	9.692	106	358214	54.931	ug/L	96
54) o-Xylene	10.097	106	355726	56.371	ug/L	94
55) Styrene	10.110	104	632877	59.202	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	390363	55.646	ug/L	99
59) Bromoform	10.287	173	178694	52.717	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	311499	52.124	ug/L	98
61) Isopropylbenzene	10.480	105	939692	54.741	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	781921	56.293	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	733361	53.394	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	452061	53.272	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	449927	51.570	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	453231	53.820	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	76471	42.802	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	272541	48.150	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	213519	45.287	ug/L	98
71) Naphthalene	14.084	128	614000	43.840	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	217545	46.800	ug/L	98

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

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