

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055738.D
 Acq On : 11 Oct 2023 10:26
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050111

Quant Time: Oct 12 01:51:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 05:51:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	449939	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	449136	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	245921	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	176662	43.774	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.540%
7) Chloroethane-d5	1.908	69	150382	45.585	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.180%
11) 1,1-Dichloroethene-d2	2.567	63	326865	45.423	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.840%
21) 2-Butanone-d5	4.612	46	285701	95.538	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.540%
24) Chloroform-d	5.059	84	364257	47.080	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.160%
26) 1,2-Dichloroethane-d4	5.698	65	232216	48.762	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.520%
32) Benzene-d6	5.721	84	709911	49.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.685	67	219552	48.260	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.520%
41) Toluene-d8	7.894	98	647094	49.869	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.740%
43) trans-1,3-Dichloroprop...	8.177	79	108336	49.574	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.140%
47) 2-Hexanone-d5	8.627	63	183659	102.691	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.690%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	347675	49.650	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.300%
66) 1,2-Dichlorobenzene-d4	12.190	152	248886	51.000	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	178387	47.616	ug/L	100
3) Chloromethane	1.518	50	167249	47.180	ug/L	98
5) Vinyl chloride	1.602	62	181862	46.617	ug/L	100
6) Bromomethane	1.850	94	118692	47.592	ug/L	95
8) Chloroethane	1.930	64	119624	46.747	ug/L	97
9) Trichlorofluoromethane	2.136	101	271075	48.633	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	171183	47.755	ug/L	99
12) 1,1-Dichloroethene	2.576	96	148457	46.541	ug/L	93
13) Acetone	2.618	43	266678	96.097	ug/L	99
14) Carbon disulfide	2.792	76	420111	43.279	ug/L	98
15) Methyl Acetate	2.940	43	197008	46.355	ug/L	97
16) Methylene chloride	3.043	84	179506	46.405	ug/L	96
17) trans-1,2-Dichloroethene	3.351	96	151231	46.365	ug/L	98
18) Methyl tert-butyl Ether	3.358	73	519584	49.532	ug/L	100
19) 1,1-Dichloroethane	3.862	63	312797	46.763	ug/L	99
20) cis-1,2-Dichloroethene	4.663	96	181513	48.759	ug/L	97
22) 2-Butanone	4.692	43	312779	93.510	ug/L	100
23) Bromochloromethane	4.968	128	92077	47.759	ug/L	96
25) Chloroform	5.084	83	329643	47.176	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	275786	49.347	ug/L	99
29) Cyclohexane	5.383	56	263650	51.213	ug/L	100
30) 1,1,1-Trichloroethane	5.313	97	291430	50.224	ug/L	99
31) Carbon tetrachloride	5.522	117	251507	49.518	ug/L	98
33) Benzene	5.769	78	707916	49.862	ug/L	100
34) Trichloroethene	6.538	95	188688	48.572	ug/L	99
35) Methylcyclohexane	6.759	83	294427	52.238	ug/L	99
37) 1,2-Dichloropropane	6.785	63	189823	48.554	ug/L	99
38) Bromodichloromethane	7.100	83	251769	48.834	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	295482	49.679	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	536895	98.715	ug/L	98
42) Toluene	7.965	91	761677	50.843	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	282078	49.567	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	189179	49.074	ug/L	99
46) Tetrachloroethene	8.550	164	136903	49.222	ug/L	97
48) 2-Hexanone	8.679	43	475668	103.542	ug/L	99
49) Dibromochloromethane	8.804	129	189906	48.213	ug/L	99
50) 1,2-Dibromoethane	8.920	107	202668	48.947	ug/L	100
51) Chlorobenzene	9.444	112	475560	49.063	ug/L	99
52) Ethylbenzene	9.566	91	825863	50.424	ug/L	98
53) m,p-Xylene	9.692	106	319297	52.037	ug/L	98
54) o-Xylene	10.097	106	302600	50.962	ug/L	94
55) Styrene	10.110	104	536869	53.373	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	326815	49.511	ug/L	98
59) Bromoform	10.287	173	147468	48.712	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	270475	50.677	ug/L	99
61) Isopropylbenzene	10.483	105	830518	54.172	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	690955	55.698	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	686941	56.001	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	387264	51.099	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	392978	50.434	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	390145	51.874	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	78876	49.432	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	258893	51.213	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	215743	51.236	ug/L	99
71) Naphthalene	14.084	128	698199	55.819	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	218356	52.597	ug/L	98

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

