

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055737.D
 Acq On : 11 Oct 2023 09:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

Quant Time: Oct 12 01:50:59 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	431327	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	437988	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	240117	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	175621	45.394	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.780%
7) Chloroethane-d5	1.904	69	145413	45.981	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.960%
11) 1,1-Dichloroethene-d2	2.563	63	312190	45.256	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.520%
21) 2-Butanone-d5	4.615	46	251595	87.763	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.760%
24) Chloroform-d	5.058	84	345673	46.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.220%
26) 1,2-Dichloroethane-d4	5.695	65	220021	48.195	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.380%
32) Benzene-d6	5.724	84	669767	47.794	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.580%
36) 1,2-Dichloropropane-d6	6.685	67	205577	46.338	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.680%
41) Toluene-d8	7.894	98	609927	48.201	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.177	79	94456	44.322	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.640%
47) 2-Hexanone-d5	8.627	63	160148	91.824	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.820%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	325576	47.677	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.360%
66) 1,2-Dichlorobenzene-d4	12.190	152	235945	49.516	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	166770	46.436	ug/L	100
3) Chloromethane	1.518	50	159295	46.875	ug/L	99
5) Vinyl chloride	1.602	62	172054	46.006	ug/L	98
6) Bromomethane	1.840	94	108652	45.446	ug/L	99
8) Chloroethane	1.923	64	116119	47.336	ug/L	96
9) Trichlorofluoromethane	2.132	101	254323	47.597	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	154977	45.100	ug/L	99
12) 1,1-Dichloroethene	2.576	96	139072	45.480	ug/L	99
13) Acetone	2.618	43	155092	58.299	ug/L	99
14) Carbon disulfide	2.788	76	389663	41.874	ug/L	96
15) Methyl Acetate	2.940	43	183149	44.954	ug/L	95
16) Methylene chloride	3.039	84	166584	44.922	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	143062	45.753	ug/L	99
18) Methyl tert-butyl Ether	3.358	73	480953	47.828	ug/L	99
19) 1,1-Dichloroethane	3.862	63	295969	46.157	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	167505	46.938	ug/L	99
22) 2-Butanone	4.692	43	242695	75.688	ug/L	98
23) Bromochloromethane	4.968	128	88031	47.631	ug/L	95
25) Chloroform	5.081	83	317255	47.362	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	256339	47.846	ug/L	100
29) Cyclohexane	5.386	56	237065	47.221	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	268792	47.501	ug/L	100
31) Carbon tetrachloride	5.521	117	236481	47.745	ug/L	99
33) Benzene	5.769	78	668648	48.295	ug/L	100
34) Trichloroethene	6.537	95	173272	45.739	ug/L	99
35) Methylcyclohexane	6.759	83	257241	46.802	ug/L	99
37) 1,2-Dichloropropane	6.785	63	179717	47.139	ug/L	99
38) Bromodichloromethane	7.103	83	233309	46.405	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	251330	43.332	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	497301	93.763	ug/L	99
42) Toluene	7.965	91	714919	48.936	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	242856	43.761	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	179905	47.856	ug/L	97
46) Tetrachloroethene	8.550	164	125000	46.086	ug/L	97
48) 2-Hexanone	8.679	43	410986	91.739	ug/L	100
49) Dibromochloromethane	8.804	129	182607	47.540	ug/L	100
50) 1,2-Dibromoethane	8.920	107	191198	47.352	ug/L	96
51) Chlorobenzene	9.444	112	442372	46.801	ug/L	99
52) Ethylbenzene	9.566	91	771826	48.324	ug/L	100
53) m,p-Xylene	9.692	106	300885	50.284	ug/L	100
54) o-Xylene	10.097	106	288434	49.813	ug/L	97
55) Styrene	10.110	104	501750	51.151	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	311598	48.408	ug/L	100
59) Bromoform	10.287	173	140046	47.379	ug/L	96
60) 1,2,3-Trichloropropane	10.817	75	253699	48.683	ug/L	100
61) Isopropylbenzene	10.479	105	769899	51.432	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	637090	52.598	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	634712	52.994	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	363259	49.090	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	368398	48.422	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	371198	50.548	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	74780	47.998	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	231693	46.940	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	185617	45.147	ug/L	99
71) Naphthalene	14.084	128	562553	46.062	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	187958	46.369	ug/L	98

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

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