

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010623\
 Data File : VU052633.D
 Acq On : 06 Jan 2023 18:07
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050138

Quant Time: Jan 07 01:37:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 07 00:30:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	309138	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	313233	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	177056	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	160660	46.139	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.280%
7) Chloroethane-d5	1.906	69	116393	42.723	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.440%
11) 1,1-Dichloroethene-d2	2.565	63	267182	46.661	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.320%
21) 2-Butanone-d5	4.623	46	315035	142.962	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	142.960%#
24) Chloroform-d	5.060	84	260523	47.599	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.697	65	175681	48.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.660%
32) Benzene-d6	5.723	84	523675	48.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.680%
36) 1,2-Dichloropropane-d6	6.687	67	184914	48.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.160%
41) Toluene-d8	7.893	98	457502	49.805	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.620%
43) trans-1,3-Dichloroprop...	8.176	79	83303	50.370	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.740%
47) 2-Hexanone-d5	8.639	63	213460	159.161	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	159.160%#
56) 1,1,2,2-Tetrachloroeth...	10.755	84	293759	58.588	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	117.180%
66) 1,2-Dichlorobenzene-d4	12.189	152	170546	50.168	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	124685	46.703	ug/L	99
3) Chloromethane	1.523	50	180485	48.841	ug/L	99
5) Vinyl chloride	1.604	62	163511	47.578	ug/L	99
6) Bromomethane	1.855	94	79480	48.420	ug/L	96
8) Chloroethane	1.929	64	95772	43.173	ug/L	100
9) Trichlorofluoromethane	2.131	101	186879	47.647	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	109883	46.686	ug/L	100
12) 1,1-Dichloroethene	2.578	96	103850	47.753	ug/L	86
13) Acetone	2.633	43	223117	99.880	ug/L	99
14) Carbon disulfide	2.790	76	309846	46.412	ug/L	99
15) Methyl Acetate	2.948	43	229007	65.993	ug/L	99
16) Methylene chloride	3.044	84	143803	49.692	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	111826	49.218	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	403604	55.039	ug/L	100
19) 1,1-Dichloroethane	3.864	63	260226	49.791	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	130164	51.323	ug/L	100
22) 2-Butanone	4.703	43	352248	134.855	ug/L	98
23) Bromochloromethane	4.970	128	65127	50.341	ug/L	99
25) Chloroform	5.083	83	246916	49.978	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	207976	50.995	ug/L	100
29) Cyclohexane	5.385	56	208596	50.125	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	192055	47.878	ug/L	99
31) Carbon tetrachloride	5.520	117	152977	46.111	ug/L	99
33) Benzene	5.771	78	549673	50.104	ug/L	100
34) Trichloroethene	6.539	95	117219	46.891	ug/L	99
35) Methylcyclohexane	6.761	83	191099	48.639	ug/L	100
37) 1,2-Dichloropropane	6.787	63	162015	50.167	ug/L	99
38) Bromodichloromethane	7.102	83	192746	49.778	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	216646	50.858	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	631576	146.185	ug/L	99
42) Toluene	7.967	91	543714	51.533	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	215350	52.458	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	137924	51.946	ug/L	99
46) Tetrachloroethene	8.549	164	81242	47.358	ug/L	97
48) 2-Hexanone	8.687	43	526143	147.685	ug/L	98
49) Dibromochloromethane	8.806	129	141203	50.997	ug/L	98
50) 1,2-Dibromoethane	8.919	107	143706	53.638	ug/L	100
51) Chlorobenzene	9.443	112	338454	50.439	ug/L	98
52) Ethylbenzene	9.565	91	564633	51.620	ug/L	99
53) m,p-Xylene	9.690	106	219123	53.639	ug/L	98
54) o-xylene	10.099	106	216251	55.163	ug/L	97
55) Styrene	10.111	104	399263	57.162	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	292650	60.609	ug/L	98
59) Bromoform	10.288	173	109164	55.467	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	238617	60.712	ug/L	99
61) Isopropylbenzene	10.481	105	555076	53.124	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	470306	55.201	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	474956	56.407	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	259057	51.497	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	263974	49.804	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	268614	51.955	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	70823	64.862	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	170423	47.973	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	141222	46.725	ug/L	99
71) Naphthalene	14.082	128	558663	59.801	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	156474	50.392	ug/L	98

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

