

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050923\
 Data File : VU054114.D
 Acq On : 09 May 2023 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050096

Quant Time: May 10 04:34:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	232145	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	223625	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	124112	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84271	47.998	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.000%		
7) Chloroethane-d5	1.909	69	57935	50.269	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.540%		
11) 1,1-Dichloroethene-d2	2.565	63	150371	48.288	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.580%		
21) 2-Butanone-d5	4.623	46	94163	94.035	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.030%		
24) Chloroform-d	5.057	84	160253	49.697	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.400%		
26) 1,2-Dichloroethane-d4	5.697	65	101016	48.790	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.580%		
32) Benzene-d6	5.722	84	313434	47.617	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.240%		
36) 1,2-Dichloropropane-d6	6.684	67	95574	45.993	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.980%		
41) Toluene-d8	7.893	98	288147	48.487	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.980%		
43) trans-1,3-Dichloroprop...	8.172	79	46655	45.368	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.740%		
47) 2-Hexanone-d5	8.629	63	60219	80.908	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.910%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	128292	46.870	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.740%		
66) 1,2-Dichlorobenzene-d4	12.188	152	118415	48.840	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	82820	49.448	ug/L	100
3) Chloromethane	1.520	50	73592	47.808	ug/L	100
5) Vinyl chloride	1.604	62	79274	48.419	ug/L	97
6) Bromomethane	1.854	94	40962	44.881	ug/L	97
8) Chloroethane	1.932	64	45431	50.921	ug/L	100
9) Trichlorofluoromethane	2.134	101	131967	50.793	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	78932	50.798	ug/L	100
12) 1,1-Dichloroethene	2.578	96	66144	49.120	ug/L	99
13) Acetone	2.629	43	65921	67.070	ug/L	96
14) Carbon disulfide	2.790	76	142222	47.586	ug/L	97
15) Methyl Acetate	2.944	43	73238	47.581	ug/L	100
16) Methylene chloride	3.041	84	83681	49.273	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	68518	49.761	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	249854	49.358	ug/L	98
19) 1,1-Dichloroethane	3.864	63	145579	49.242	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	84336	49.842	ug/L	94
22) 2-Butanone	4.700	43	101900	87.815	ug/L	94
23) Bromochloromethane	4.970	128	44070	50.237	ug/L	93
25) Chloroform	5.083	83	157401	50.453	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	120815	50.347	ug/L	100
29) Cyclohexane	5.382	56	104533	45.230	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	137030	49.161	ug/L	99
31) Carbon tetrachloride	5.520	117	117172	49.274	ug/L	99
33) Benzene	5.767	78	309720	47.583	ug/L	100
34) Trichloroethene	6.536	95	82482	47.745	ug/L	99
35) Methylcyclohexane	6.758	83	112078	46.258	ug/L	98
37) 1,2-Dichloropropane	6.783	63	85794	46.589	ug/L	99
38) Bromodichloromethane	7.099	83	112926	48.674	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	128107	44.470	ug/L	96
40) 4-Methyl-2-pentanone	7.787	43	198739	92.607	ug/L	98
42) Toluene	7.963	91	332159	49.019	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	123225	45.009	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	87053	48.839	ug/L	97
46) Tetrachloroethene	8.549	164	65851	48.047	ug/L	99
48) 2-Hexanone	8.681	43	152706	89.788	ug/L	98
49) Dibromochloromethane	8.806	129	89159	50.762	ug/L	98
50) 1,2-Dibromoethane	8.918	107	90220	49.868	ug/L	99
51) Chlorobenzene	9.443	112	224949	49.633	ug/L	99
52) Ethylbenzene	9.565	91	371440	48.704	ug/L	99
53) m,p-Xylene	9.690	106	143923	50.256	ug/L	96
54) o-Xylene	10.095	106	141240	50.412	ug/L	100
55) Styrene	10.111	104	246349	51.264	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	136026	48.445	ug/L	99
59) Bromoform	10.285	173	69169	49.780	ug/L	98
60) 1,2,3-Trichloropropane	10.815	75	107253	46.524	ug/L	99
61) Isopropylbenzene	10.481	105	388168	49.546	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	316089	49.235	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	312259	49.346	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	188191	49.115	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	192186	49.249	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	191064	49.408	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	28149	47.861	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	134596	48.476	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	117757	46.782	ug/L	99
71) Naphthalene	14.082	128	332589	45.553	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	119269	47.632	ug/L	99

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

