

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010923\
 Data File : VU052635.D
 Acq On : 09 Jan 2023 10:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050139

Quant Time: Jan 09 20:57:01 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	6.247	114	339811	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	334861	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	182290	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	169380	44.252	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.500%
7) Chloroethane-d5	1.909	69	123286	41.168	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.340%
11) 1,1-Dichloroethene-d2	2.565	63	265847	42.237	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.480%
21) 2-Butanone-d5	4.623	46	210061	86.721	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.720%
24) Chloroform-d	5.060	84	269177	44.741	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.480%
26) 1,2-Dichloroethane-d4	5.697	65	176235	44.563	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.120%
32) Benzene-d6	5.723	84	547269	47.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.500%
36) 1,2-Dichloropropane-d6	6.687	67	188423	46.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.620%
41) Toluene-d8	7.896	98	472637	48.130	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.260%
43) trans-1,3-Dichloroprop...	8.176	79	72211	40.843	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.680%
47) 2-Hexanone-d5	8.636	63	135626	94.594	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.590%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	246219	45.935	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.860%
66) 1,2-Dichlorobenzene-d4	12.189	152	166868	47.676	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	134968	45.992	ug/L	99
3) Chloromethane	1.520	50	189638	46.685	ug/L	98
5) Vinyl chloride	1.604	62	181337	48.003	ug/L	98
6) Bromomethane	1.855	94	83094	46.052	ug/L	97
8) Chloroethane	1.929	64	105714	43.353	ug/L	99
9) Trichlorofluoromethane	2.134	101	209640	48.625	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	117970	45.597	ug/L	99
12) 1,1-Dichloroethene	2.578	96	111690	46.722	ug/L	85
13) Acetone	2.633	43	163841	66.724	ug/L	97
14) Carbon disulfide	2.790	76	337119	45.939	ug/L	100
15) Methyl Acetate	2.945	43	177529	46.541	ug/L	99
16) Methylene chloride	3.044	84	154972	48.717	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	121234	48.543	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	409781	50.837	ug/L	99
19) 1,1-Dichloroethane	3.864	63	280272	48.786	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	138308	49.612	ug/L	100
22) 2-Butanone	4.703	43	243086	84.663	ug/L	99
23) Bromochloromethane	4.970	128	71263	50.112	ug/L	95
25) Chloroform	5.083	83	272424	50.164	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	216377	48.266	ug/L	100
29) Cyclohexane	5.385	56	222498	50.012	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	213462	49.778	ug/L	99
31) Carbon tetrachloride	5.520	117	176954	49.893	ug/L	99
33) Benzene	5.771	78	595715	50.794	ug/L	100
34) Trichloroethene	6.539	95	142942	53.488	ug/L	98
35) Methylcyclohexane	6.761	83	196944	46.890	ug/L	99
37) 1,2-Dichloropropane	6.787	63	173475	50.246	ug/L	99
38) Bromodichloromethane	7.102	83	207930	50.231	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	193410	42.471	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	478839	103.674	ug/L	98
42) Toluene	7.967	91	583272	51.711	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	194259	44.264	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	142906	50.347	ug/L	99
46) Tetrachloroethene	8.552	164	89622	48.868	ug/L	94
48) 2-Hexanone	8.687	43	372442	97.790	ug/L	97
49) Dibromochloromethane	8.806	129	152230	51.428	ug/L	98
50) 1,2-Dibromoethane	8.922	107	143694	50.170	ug/L	99
51) Chlorobenzene	9.443	112	360493	50.253	ug/L	99
52) Ethylbenzene	9.568	91	613294	52.448	ug/L	100
53) m,p-Xylene	9.690	106	233116	53.379	ug/L	98
54) o-xylene	10.099	106	225470	53.800	ug/L	100
55) Styrene	10.111	104	414948	55.571	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	234099	45.352	ug/L	98
59) Bromoform	10.288	173	109833	54.204	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	206742	51.092	ug/L	99
61) Isopropylbenzene	10.481	105	583405	54.232	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	486305	55.440	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	487026	56.180	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	265741	51.309	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	270619	49.592	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	276250	51.898	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	53330	47.439	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	172803	47.247	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	141155	45.362	ug/L	99
71) Naphthalene	14.082	128	474876	49.373	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	153073	47.881	ug/L	99

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

