

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053103.D
 Acq On : 14 Feb 2023 19:12
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050155

Quant Time: Feb 15 00:55:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:41:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	255511	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	231814	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	119539	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	110057	46.889	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.780%
7) Chloroethane-d5	1.913	69	94934	47.788	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.580%
11) 1,1-Dichloroethene-d2	2.566	63	197416	49.034	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.060%
21) 2-Butanone-d5	4.627	46	123662	100.807	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.810%
24) Chloroform-d	5.058	84	208788	50.425	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.840%
26) 1,2-Dichloroethane-d4	5.698	65	129126	49.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.080%
32) Benzene-d6	5.723	84	419363	50.711	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.420%
36) 1,2-Dichloropropane-d6	6.685	67	136611	50.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.140%
41) Toluene-d8	7.894	98	385549	50.352	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.700%
43) trans-1,3-Dichloroprop...	8.173	79	68423	49.728	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.460%
47) 2-Hexanone-d5	8.627	63	96457	103.358	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.360%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	180523	50.206	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.420%
66) 1,2-Dichlorobenzene-d4	12.186	152	133701	50.312	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	131037	50.120	ug/L	99
3) Chloromethane	1.518	50	125565	49.270	ug/L	98
5) Vinyl chloride	1.605	62	135916	49.760	ug/L	100
6) Bromomethane	1.859	94	85123	49.024	ug/L	100
8) Chloroethane	1.933	64	82619	49.692	ug/L	98
9) Trichlorofluoromethane	2.135	101	175933	49.536	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	96870	48.785	ug/L	99
12) 1,1-Dichloroethene	2.579	96	91624	48.762	ug/L	99
13) Acetone	2.640	43	75395	97.152	ug/L	97
14) Carbon disulfide	2.791	76	296627	48.708	ug/L	99
15) Methyl Acetate	2.949	43	85585	51.171	ug/L	97
16) Methylene chloride	3.042	84	106664	49.382	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	94177	49.341	ug/L	97
18) Methyl tert-butyl Ether	3.357	73	325079	50.682	ug/L	100
19) 1,1-Dichloroethane	3.865	63	187991	50.205	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	109566	49.291	ug/L	99
22) 2-Butanone	4.704	43	118915	100.843	ug/L	95
23) Bromochloromethane	4.971	128	53425	51.202	ug/L	100
25) Chloroform	5.084	83	188334	49.356	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	149564	50.501	ug/L	100
29) Cyclohexane	5.383	56	175475	51.225	ug/L	99
30) 1,1,1-Trichloroethane	5.312	97	167781	51.799	ug/L	99
31) Carbon tetrachloride	5.521	117	141070	51.255	ug/L	99
33) Benzene	5.768	78	418301	51.298	ug/L	100
34) Trichloroethene	6.537	95	108141	51.109	ug/L	98
35) Methylcyclohexane	6.759	83	185757	50.687	ug/L	100
37) 1,2-Dichloropropane	6.784	63	116478	51.800	ug/L	99
38) Bromodichloromethane	7.100	83	145862	51.571	ug/L	99
39) cis-1,3-Dichloropropene	7.601	75	193877	52.506	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	240510	100.439	ug/L	99
42) Toluene	7.964	91	444726	51.272	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	175628	51.349	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	105018	51.499	ug/L	98
46) Tetrachloroethene	8.550	164	72122	51.455	ug/L	99
48) 2-Hexanone	8.681	43	181501	96.057	ug/L	99
49) Dibromochloromethane	8.804	129	108698	51.607	ug/L	98
50) 1,2-Dibromoethane	8.919	107	111184	51.330	ug/L	98
51) Chlorobenzene	9.443	112	273994	50.991	ug/L	99
52) Ethylbenzene	9.566	91	493762	51.043	ug/L	98
53) m,p-Xylene	9.691	106	189479	52.090	ug/L	98
54) o-xylene	10.096	106	185062	51.316	ug/L	99
55) Styrene	10.109	104	309478	51.739	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	165847	50.139	ug/L	99
59) Bromoform	10.286	173	75331	51.196	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	126626	50.753	ug/L	99
61) Isopropylbenzene	10.479	105	487398	51.072	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	409562	50.687	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	390835	49.971	ug/L	100
64) 1,3-Dichlorobenzene	11.739	146	198869	50.886	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	199892	50.416	ug/L	99
67) 1,2-Dichlorobenzene	12.205	146	198804	50.331	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	36512	49.644	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	127584	48.157	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	117837	46.997	ug/L	99
71) Naphthalene	14.080	128	410924	42.686	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	119240	47.362	ug/L	100

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

