

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030223\
 Data File : VU053175.D
 Acq On : 02 Mar 2023 09:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

Quant Time: Mar 03 01:41:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 17 11:12:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	191897	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	182797	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	94281	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	75078	42.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.180%
7) Chloroethane-d5	1.913	69	66202	44.372	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.740%
11) 1,1-Dichloroethene-d2	2.569	63	141186	46.693	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.380%
21) 2-Butanone-d5	4.624	46	86941	94.367	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.370%
24) Chloroform-d	5.061	84	154566	49.704	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.698	65	95065	48.072	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.140%
32) Benzene-d6	5.723	84	310886	47.674	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.340%
36) 1,2-Dichloropropane-d6	6.688	67	103168	48.428	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.860%
41) Toluene-d8	7.894	98	291452	48.269	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.540%
43) trans-1,3-Dichloroprop...	8.177	79	49786	45.886	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.780%
47) 2-Hexanone-d5	8.627	63	64503	87.651	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.650%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	134992	47.610	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.220%
66) 1,2-Dichlorobenzene-d4	12.189	152	98278	46.889	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	104349	53.143	ug/L	99
3) Chloromethane	1.521	50	91442	47.775	ug/L	99
5) Vinyl chloride	1.605	62	100085	48.788	ug/L	100
6) Bromomethane	1.859	94	59459	45.596	ug/L	100
8) Chloroethane	1.936	64	57250	45.848	ug/L	99
9) Trichlorofluoromethane	2.138	101	125252	46.957	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.582	101	76178	51.082	ug/L	98
12) 1,1-Dichloroethene	2.582	96	67674	47.955	ug/L	99
13) Acetone	2.637	43	78837	135.264	ug/L	99
14) Carbon disulfide	2.794	76	213244	46.623	ug/L	99
15) Methyl Acetate	2.949	43	59823	47.625	ug/L	96
16) Methylene chloride	3.045	84	78117	48.155	ug/L	96
17) trans-1,2-Dichloroethene	3.351	96	70794	49.386	ug/L	98
18) Methyl tert-butyl Ether	3.360	73	235804	48.950	ug/L	99
19) 1,1-Dichloroethane	3.868	63	141449	50.298	ug/L	99
20) cis-1,2-Dichloroethene	4.666	96	82370	49.341	ug/L	99
22) 2-Butanone	4.701	43	93789	105.902	ug/L	99
23) Bromochloromethane	4.971	128	37861	48.314	ug/L	92
25) Chloroform	5.084	83	142987	49.894	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	110711	49.774	ug/L	99
29) Cyclohexane	5.386	56	137700	50.977	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	123608	48.395	ug/L	99
31) Carbon tetrachloride	5.521	117	100913	46.496	ug/L	99
33) Benzene	5.772	78	320977	49.918	ug/L	100
34) Trichloroethene	6.537	95	83212	49.872	ug/L	93
35) Methylcyclohexane	6.762	83	148994	51.557	ug/L	99
37) 1,2-Dichloropropane	6.788	63	88504	49.913	ug/L	100
38) Bromodichloromethane	7.100	83	110363	49.483	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	143089	49.143	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	167227	88.561	ug/L	99
42) Toluene	7.965	91	342450	50.068	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	132548	49.146	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	79727	49.581	ug/L	99
46) Tetrachloroethene	8.550	164	53132	48.071	ug/L	99
48) 2-Hexanone	8.682	43	137871	92.533	ug/L	99
49) Dibromochloromethane	8.807	129	79680	47.974	ug/L	99
50) 1,2-Dibromoethane	8.919	107	82520	48.312	ug/L	95
51) Chlorobenzene	9.444	112	210548	49.691	ug/L	99
52) Ethylbenzene	9.566	91	390275	51.163	ug/L	100
53) m,p-Xylene	9.691	106	145926	50.874	ug/L	96
54) o-xylene	10.096	106	142438	50.088	ug/L	99
55) Styrene	10.109	104	240211	50.927	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	124228	47.627	ug/L	100
59) Bromoform	10.286	173	52123	44.914	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	92211	46.860	ug/L	98
61) Isopropylbenzene	10.482	105	386283	51.321	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	319417	50.121	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	309990	50.253	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	155942	50.592	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	159523	51.013	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	154468	49.583	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.993	75	24835	42.814	ug/L	97
69) 1,3,5-Trichlorobenzene	13.215	180	101430	48.542	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	92344	46.696	ug/L	99
71) Naphthalene	14.080	128	297670	39.205	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	86346	43.485	ug/L	98

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

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