

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053096.D
 Acq On : 14 Feb 2023 13:54
 Operator : JC/MD
 Sample : VSTD20003
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200003

Quant Time: Feb 15 00:33:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:30:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	265776	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	250245	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	135829	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	498536	202.141	ug/L	0.00
7) Chloroethane-d5	1.913	69	440847	218.473	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	63	859126	221.616	ug/L	0.00
21) 2-Butanone-d5	4.624	46	538316	527.392	ug/L	0.00
24) Chloroform-d	5.058	84	876436	211.366	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	556604	221.376	ug/L	0.00
32) Benzene-d6	5.723	84	1794933	212.321	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	583960	220.452	ug/L	0.00
41) Toluene-d8	7.894	98	1683004	206.170	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	308470	217.069	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	434788	526.057	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	812993	225.269	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	610935	202.047	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	547788	246.020	ug/L	100
3) Chloromethane	1.518	50	514611	247.765	ug/L	99
5) Vinyl chloride	1.605	62	569958	229.129	ug/L	99
6) Bromomethane	1.859	94	369671	220.898	ug/L	100
8) Chloroethane	1.933	64	358270	235.826	ug/L	99
9) Trichlorofluoromethane	2.132	101	737061	201.155	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	404769	215.075	ug/L	99
12) 1,1-Dichloroethene	2.576	96	387465	216.527	ug/L	93
13) Acetone	2.637	43	310358	361.254	ug/L	99
14) Carbon disulfide	2.791	76	1234349	228.149	ug/L	100
15) Methyl Acetate	2.945	43	344656	253.046	ug/L	99
16) Methylene chloride	3.042	84	428834	199.445	ug/L	99
17) trans-1,2-Dichloroethene	3.347	96	393474	207.143	ug/L	100
18) Methyl tert-butyl Ether	3.357	73	1341062	223.152	ug/L	100
19) 1,1-Dichloroethane	3.865	63	770002	229.348	ug/L	100
20) cis-1,2-Dichloroethene	4.659	96	455162	212.435	ug/L	99
22) 2-Butanone	4.704	43	495048	464.738	ug/L	99
23) Bromochloromethane	4.968	128	221055	194.288	ug/L	96
25) Chloroform	5.080	83	791906	215.920	ug/L	99
27) 1,2-Dichloroethane	5.788	62	614302	229.670	ug/L	99
29) Cyclohexane	5.386	56	718491	229.738	ug/L	100
30) 1,1,1-Trichloroethane	5.312	97	681004	207.085	ug/L	100
31) Carbon tetrachloride	5.521	117	587535	205.280	ug/L	100
33) Benzene	5.768	78	1702096	214.900	ug/L	100
34) Trichloroethene	6.537	95	451871	211.761	ug/L	98
35) Methylcyclohexane	6.759	83	774588	212.809	ug/L	99
37) 1,2-Dichloropropane	6.784	63	469702	229.234	ug/L	100
38) Bromodichloromethane	7.099	83	605337	210.719	ug/L	99
39) cis-1,3-Dichloropropene	7.601	75	796374	228.842	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	1008413	499.123	ug/L	100
42) Toluene	7.964	91	1847365	209.015	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	752283	224.443	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	435397	211.120	ug/L	99
46) Tetrachloroethene	8.550	164	306505	187.837	ug/L	99
48) 2-Hexanone	8.685	43	778410	488.622	ug/L	99
49) Dibromochloromethane	8.804	129	464944	193.945	ug/L	98
50) 1,2-Dibromoethane	8.919	107	465479	208.971	ug/L	98
51) Chlorobenzene	9.443	112	1159808	205.285	ug/L	99
52) Ethylbenzene	9.566	91	2093710	214.090	ug/L	99
53) m,p-Xylene	9.691	106	791732	206.614	ug/L	100
54) o-xylene	10.096	106	787233	207.928	ug/L	100
55) Styrene	10.109	104	1331944	209.814	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	722827	224.651	ug/L	99
59) Bromoform	10.286	173	335975	190.724	ug/L	100
60) 1,2,3-Trichloropropane	10.820	75	529518	225.606	ug/L	99
61) Isopropylbenzene	10.479	105	2088897	215.182	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	1782212	211.002	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	1725084	210.527	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	877404	206.552	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	887525	206.817	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	882271	205.610	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	162369	228.067	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	597436	187.363	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	559840	194.907	ug/L	100
71) Naphthalene	14.080	128	1923035	218.037	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	548376	194.613	ug/L	100

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

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