

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063616.D
 Acq On : 22 Sep 2025 12:01
 Operator : MD/SY
 Sample : VSTD20043
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200043

Quant Time: Sep 23 05:14:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:11:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	270536	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	275735	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	153921	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	365402	183.079	ug/L	0.00
7) Chloroethane-d5	1.885	69	307957	161.507	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.550	63	657769	174.357	ug/L	0.00
21) 2-Butanone-d5	4.605	46	576483	345.208	ug/L	0.00
24) Chloroform-d	5.042	84	719032	172.726	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	459399	178.894	ug/L	0.00
32) Benzene-d6	5.711	84	1354820	169.872	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	447770	166.268	ug/L	0.00
41) Toluene-d8	7.885	98	1293532	183.714	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	180510	171.042	ug/L	0.00
47) 2-Hexanone-d5	8.621	63	369470	372.292	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	701590	169.454	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	527408	190.604	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	288923	120.650	ug/L	99
3) Chloromethane	1.515	50	361209	131.026	ug/L	98
5) Vinyl chloride	1.595	62	437697	143.890	ug/L	99
6) Bromomethane	1.821	94	295103	169.228	ug/L	100
8) Chloroethane	1.907	64	290776	150.143	ug/L	98
9) Trichlorofluoromethane	2.120	101	635700	170.646	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	348874	158.444	ug/L	98
12) 1,1-Dichloroethene	2.563	96	318131	164.042	ug/L	98
13) Acetone	2.615	43	559963	425.576	ug/L	100
14) Carbon disulfide	2.776	76	873941	141.232	ug/L	100
15) Methyl Acetate	2.933	43	454002	169.205	ug/L	97
16) Methylene chloride	3.026	84	383420	152.700	ug/L	96
17) trans-1,2-Dichloroethene	3.335	96	347330	166.814	ug/L	98
18) Methyl tert-butyl Ether	3.348	73	1155247	182.537	ug/L	99
19) 1,1-Dichloroethane	3.849	63	706655	162.120	ug/L	99
20) cis-1,2-Dichloroethene	4.647	96	414263	174.378	ug/L	97
22) 2-Butanone	4.685	43	715996	373.823	ug/L	96
23) Bromochloromethane	4.955	128	214881	168.707	ug/L	97
25) Chloroform	5.068	83	739706	167.982	ug/L	99
27) 1,2-Dichloroethane	5.775	62	604180	173.872	ug/L	99
29) Cyclohexane	5.370	56	642692	179.256	ug/L	98
30) 1,1,1-Trichloroethane	5.300	97	606552	176.630	ug/L	98
31) Carbon tetrachloride	5.508	117	514852	181.418	ug/L	98
33) Benzene	5.759	78	1571968	169.079	ug/L	100
34) Trichloroethene	6.528	95	430578	178.843	ug/L	99
35) Methylcyclohexane	6.750	83	628489	176.014	ug/L	98
37) 1,2-Dichloropropane	6.775	63	436596	160.127	ug/L	100
38) Bromodichloromethane	7.090	83	543008	167.804	ug/L	99
39) cis-1,3-Dichloropropene	7.592	75	651567	178.143	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	1303007	377.228	ug/L	98
42) Toluene	7.955	91	1759397	180.836	ug/L	99
44) trans-1,3-Dichloropropene	8.197	75	554322	164.768	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063616.D
 Acq On : 22 Sep 2025 12:01
 Operator : MD/SY
 Sample : VSTD20043
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200043

Quant Time: Sep 23 05:14:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:11:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	423236	167.037	ug/L	97
46) Tetrachloroethene	8.541	164	326843	182.384	ug/L	98
48) 2-Hexanone	8.672	43	1044812	393.903	ug/L	97
49) Dibromochloromethane	8.798	129	432744	182.369	ug/L	99
50) 1,2-Dibromoethane	8.910	107	450656	173.997	ug/L	100
51) Chlorobenzene	9.434	112	1145289	179.233	ug/L	100
52) Ethylbenzene	9.560	91	1981214	191.110	ug/L	99
53) m,p-Xylene	9.682	106	763144	200.779	ug/L	100
54) o-Xylene	10.090	106	756693	206.030	ug/L	97
55) Styrene	10.103	104	1270620	204.766	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.769	83	742050	165.796	ug/L	98
59) Bromoform	10.280	173	331394	169.620	ug/L	98
60) 1,2,3-Trichloropropane	10.811	75	592381	163.550	ug/L	99
61) Isopropylbenzene	10.473	105	2019929	198.270	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	1753820	218.737	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	1713511	224.976	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	941414	188.461	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	946303	184.845	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	913604	181.011	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	163218	170.043	ug/L	99
69) 1,3,5-Trichlorobenzene	13.209	180	700809	205.316	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	622908	233.879	ug/L	99
71) Naphthalene	14.074	128	1837858	255.803	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	599969	231.563	ug/L	99

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

