

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063723.D
 Acq On : 17 Nov 2025 12:34
 Operator : MD/SY
 Sample : VSTD10048
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100048

Quant Time: Nov 18 01:28:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:25:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	331361	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.389	117	322303	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	174835	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	292770	124.301	ug/L	0.00
7) Chloroethane-d5	1.888	69	221077	113.534	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.541	63	504146	121.459	ug/L	0.00
21) 2-Butanone-d5	4.586	46	356466	230.227	ug/L	0.00
24) Chloroform-d	5.026	84	500211	116.253	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.666	65	321208	115.357	ug/L	0.00
32) Benzene-d6	5.695	84	969662	120.761	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.660	67	283691	111.067	ug/L	0.00
41) Toluene-d8	7.869	98	906308	119.985	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.152	79	120781	125.451	ug/L	0.00
47) 2-Hexanone-d5	8.605	63	231965	244.163	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.730	84	424500	108.680	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.164	152	338054	112.544	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	179251	99.318	ug/L	99
3) Chloromethane	1.509	50	198745	88.409	ug/L	100
5) Vinyl chloride	1.589	62	238753	88.735	ug/L	100
6) Bromomethane	1.830	94	152707	90.140	ug/L	97
8) Chloroethane	1.911	64	158823	87.328	ug/L	100
9) Trichlorofluoromethane	2.116	101	378350	95.483	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	224461	101.079	ug/L	98
12) 1,1-Dichloroethene	2.554	96	202557	102.059	ug/L	97
13) Acetone	2.599	43	405936	210.471	ug/L	99
14) Carbon disulfide	2.766	76	536481	104.217	ug/L	98
15) Methyl Acetate	2.920	43	267815	98.890	ug/L	100
16) Methylene chloride	3.014	84	234080	94.491	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	221095	103.087	ug/L	93
18) Methyl tert-butyl Ether	3.332	73	752699	107.735	ug/L	99
19) 1,1-Dichloroethane	3.830	63	423446	99.035	ug/L	100
20) cis-1,2-Dichloroethene	4.631	96	260611	104.333	ug/L	98
22) 2-Butanone	4.666	43	448027	206.113	ug/L	97
23) Bromochloromethane	4.939	128	131261	100.872	ug/L	98
25) Chloroform	5.052	83	457983	100.173	ug/L	99
27) 1,2-Dichloroethane	5.759	62	380196	101.653	ug/L	100
29) Cyclohexane	5.354	56	380799	99.846	ug/L	95
30) 1,1,1-Trichloroethane	5.280	97	389367	107.505	ug/L	99
31) Carbon tetrachloride	5.489	117	316600	109.746	ug/L	98
33) Benzene	5.740	78	941010	100.647	ug/L	100
34) Trichloroethene	6.512	95	270252	101.472	ug/L	98
35) Methylcyclohexane	6.730	83	388959	102.095	ug/L	99
37) 1,2-Dichloropropane	6.759	63	248488	96.072	ug/L	100
38) Bromodichloromethane	7.074	83	338649	108.108	ug/L	97
39) cis-1,3-Dichloropropene	7.579	75	375275	110.339	ug/L	100
40) 4-Methyl-2-pentanone	7.759	43	739858	199.024	ug/L	100
42) Toluene	7.939	91	1041591	100.830	ug/L	99
44) trans-1,3-Dichloropropene	8.181	75	324889	110.117	ug/L	99

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45) 1,1,2-Trichloroethane	8.370	97	259938	102.685	ug/L	99
46) Tetrachloroethene	8.525	164	205428	105.518	ug/L	99
48) 2-Hexanone	8.656	43	606263	212.447	ug/L	99
49) Dibromochloromethane	8.782	129	258771	112.487	ug/L	100
50) 1,2-Dibromoethane	8.894	107	270367	102.803	ug/L	99
51) Chlorobenzene	9.418	112	694486	101.217	ug/L	100
52) Ethylbenzene	9.544	91	1211431	105.284	ug/L	99
53) m,p-Xylene	9.669	106	462418	106.839	ug/L	96
54) o-Xylene	10.074	106	452451	106.174	ug/L	98
55) Styrene	10.087	104	760458	108.900	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.753	83	424645	99.880	ug/L	99
59) Bromoform	10.264	173	195203	111.465	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	353681	96.414	ug/L	99
61) Isopropylbenzene	10.457	105	1231749	102.045	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	1039688	104.969	ug/L	100
63) 1,2,4-Trimethylbenzene	11.441	105	1009856	105.490	ug/L	100
64) 1,3-Dichlorobenzene	11.717	146	555212	101.246	ug/L	100
65) 1,4-Dichlorobenzene	11.811	146	559294	101.055	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	536249	99.882	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.965	75	97499	115.219	ug/L	95
69) 1,3,5-Trichlorobenzene	13.190	180	395388	103.328	ug/L	100
70) 1,2,4-trichlorobenzene	13.810	180	342479	108.637	ug/L	100
71) Naphthalene	14.055	128	985553	115.033	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	323650	107.124	ug/L	99

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