

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063725.D
 Acq On : 17 Nov 2025 13:51
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV050

Quant Time: Nov 18 02:05:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:55:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	332807	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	321467	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	165073	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	135278	47.071	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.140%		
7) Chloroethane-d5	1.891	69	102274	46.192	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.380%		
11) 1,1-Dichloroethene-d2	2.544	63	238300	47.836	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.680%		
21) 2-Butanone-d5	4.595	46	163136	99.570	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.570%		
24) Chloroform-d	5.029	84	231695	48.051	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.100%		
26) 1,2-Dichloroethane-d4	5.669	65	148484	46.830	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.660%		
32) Benzene-d6	5.695	84	446958	47.434	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.860%		
36) 1,2-Dichloropropane-d6	6.660	67	130021	47.003	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.000%		
41) Toluene-d8	7.872	98	417658	46.683	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.360%		
43) trans-1,3-Dichloroprop...	8.155	79	51812	45.324	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.640%		
47) 2-Hexanone-d5	8.608	63	104894	104.294	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.290%		
56) 1,1,2,2-Tetrachloroeth...	10.730	84	196212	48.503	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.000%		
66) 1,2-Dichlorobenzene-d4	12.167	152	154336	49.528	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.060%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	95520	49.316	ug/L	98
3) Chloromethane	1.509	50	102345	46.701	ug/L	99
5) Vinyl chloride	1.589	62	122403	48.037	ug/L	99
6) Bromomethane	1.837	94	79708	49.362	ug/L	97
8) Chloroethane	1.914	64	82741	48.647	ug/L	97
9) Trichlorofluoromethane	2.116	101	196932	49.001	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	115005	48.416	ug/L	99
12) 1,1-Dichloroethene	2.554	96	105088	48.373	ug/L	95
13) Acetone	2.602	43	208987	94.251	ug/L	99
14) Carbon disulfide	2.766	76	278588	49.231	ug/L	98
15) Methyl Acetate	2.923	43	134538	50.528	ug/L	99
16) Methylene chloride	3.013	84	123490	48.761	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	113678	49.080	ug/L	93
18) Methyl tert-butyl Ether	3.335	73	380167	48.498	ug/L	99
19) 1,1-Dichloroethane	3.833	63	217942	48.832	ug/L	98
20) cis-1,2-Dichloroethene	4.631	96	133622	50.119	ug/L	99
22) 2-Butanone	4.672	43	224988	91.333	ug/L	98
23) Bromochloromethane	4.939	128	67610	49.325	ug/L	96
25) Chloroform	5.055	83	235215	48.688	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.762	62	192060	48.699	ug/L	100
29) Cyclohexane	5.354	56	198687	49.123	ug/L	95
30) 1,1,1-Trichloroethane	5.280	97	197305	48.065	ug/L	99
31) Carbon tetrachloride	5.492	117	158777	49.191	ug/L	99
33) Benzene	5.743	78	477270	48.678	ug/L	100
34) Trichloroethene	6.515	95	139380	49.311	ug/L	99
35) Methylcyclohexane	6.733	83	198433	47.823	ug/L	99
37) 1,2-Dichloropropane	6.759	63	125736	49.346	ug/L	100
38) Bromodichloromethane	7.074	83	172107	49.325	ug/L	97
39) cis-1,3-Dichloropropene	7.579	75	184606	48.852	ug/L	99
40) 4-Methyl-2-pentanone	7.762	43	380140	103.068	ug/L	99
42) Toluene	7.942	91	536008	49.518	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	158416	48.025	ug/L	98
45) 1,1,2-Trichloroethane	8.373	97	133730	49.626	ug/L	98
46) Tetrachloroethene	8.524	164	104642	48.410	ug/L	100
48) 2-Hexanone	8.659	43	307427	106.198	ug/L	100
49) Dibromochloromethane	8.782	129	126036	48.431	ug/L	99
50) 1,2-Dibromoethane	8.897	107	139693	49.387	ug/L	100
51) Chlorobenzene	9.421	112	356603	48.818	ug/L	99
52) Ethylbenzene	9.544	91	614062	48.856	ug/L	98
53) m,p-Xylene	9.669	106	227176	47.421	ug/L	96
54) o-Xylene	10.074	106	227084	48.675	ug/L	98
55) Styrene	10.090	104	382577	50.612	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.753	83	217004	49.443	ug/L	98
59) Bromoform	10.264	173	93636	49.949	ug/L	99
60) 1,2,3-Trichloropropane	10.794	75	183464	50.921	ug/L	99
61) Isopropylbenzene	10.457	105	618291	49.649	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	519510	50.715	ug/L	99
63) 1,2,4-Trimethylbenzene	11.441	105	502890	51.431	ug/L	99
64) 1,3-Dichlorobenzene	11.720	146	282449	50.592	ug/L	99
65) 1,4-Dichlorobenzene	11.810	146	284700	49.788	ug/L	99
67) 1,2-Dichlorobenzene	12.183	146	271567	50.173	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	46310	52.054	ug/L	95
69) 1,3,5-Trichlorobenzene	13.190	180	201845	53.492	ug/L	98
70) 1,2,4-trichlorobenzene	13.810	180	171600	54.539	ug/L	100
71) Naphthalene	14.058	128	520789	62.195	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	163281	54.752	ug/L	99

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