

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063617.D
 Acq On : 22 Sep 2025 13:08
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV044

Quant Time: Sep 23 05:40:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	246754	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	237553	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	123790	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	87168	52.668	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.340%
7) Chloroethane-d5	1.898	69	75596	53.687	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.380%
11) 1,1-Dichloroethene-d2	2.554	63	153112	51.771	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.540%
21) 2-Butanone-d5	4.615	46	123845	108.451	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.450%
24) Chloroform-d	5.045	84	165495	53.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.880%
26) 1,2-Dichloroethane-d4	5.689	65	105969	52.524	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.040%
32) Benzene-d6	5.714	84	307655	54.072	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.140%
36) 1,2-Dichloropropane-d6	6.676	67	98860	53.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.380%
41) Toluene-d8	7.888	98	286945	53.664	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.320%
43) trans-1,3-Dichloroprop...	8.171	79	35214	52.305	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.600%
47) 2-Hexanone-d5	8.621	63	74153	108.874	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.870%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	152711	53.355	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.720%
66) 1,2-Dichlorobenzene-d4	12.183	152	110297	53.020	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	71240	53.646	ug/L	99
3) Chloromethane	1.515	50	87325	51.009	ug/L	96
5) Vinyl chloride	1.599	62	107510	52.762	ug/L	97
6) Bromomethane	1.837	94	68645	53.173	ug/L	96
8) Chloroethane	1.920	64	71919	52.104	ug/L	98
9) Trichlorofluoromethane	2.126	101	157250	52.973	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	86956	53.246	ug/L	98
12) 1,1-Dichloroethene	2.563	96	76598	52.722	ug/L	89
13) Acetone	2.615	43	126565	92.868	ug/L	99
14) Carbon disulfide	2.779	76	200720	53.244	ug/L	99
15) Methyl Acetate	2.939	43	106398	52.630	ug/L	95
16) Methylene chloride	3.029	84	95614	52.050	ug/L	94
17) trans-1,2-Dichloroethene	3.338	96	84412	53.961	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	270346	53.423	ug/L	100
19) 1,1-Dichloroethane	3.853	63	167834	52.702	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	99078	54.085	ug/L	95
22) 2-Butanone	4.692	43	158199	100.447	ug/L	98
23) Bromochloromethane	4.959	128	50098	52.193	ug/L	98
25) Chloroform	5.071	83	177768	52.567	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	148339	53.088	ug/L	96
29) Cyclohexane	5.370	56	148421	53.157	ug/L	98
30) 1,1,1-Trichloroethane	5.299	97	141020	53.996	ug/L	100
31) Carbon tetrachloride	5.508	117	111270	53.761	ug/L	99
33) Benzene	5.759	78	379522	55.016	ug/L	100
34) Trichloroethene	6.528	95	101604	52.592	ug/L	94
35) Methylcyclohexane	6.750	83	148466	53.828	ug/L	98
37) 1,2-Dichloropropane	6.779	63	101011	52.870	ug/L	100
38) Bromodichloromethane	7.094	83	123396	54.473	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	132892	53.502	ug/L	99
40) 4-Methyl-2-pentanone	7.778	43	296337	107.654	ug/L	99
42) Toluene	7.959	91	410798	54.318	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	112290	53.242	ug/L	100
45) 1,1,2-Trichloroethane	8.386	97	101026	54.482	ug/L	97
46) Tetrachloroethene	8.540	164	75185	53.431	ug/L	98
48) 2-Hexanone	8.672	43	229568	110.242	ug/L	99
49) Dibromochloromethane	8.798	129	89527	53.936	ug/L	99
50) 1,2-Dibromoethane	8.913	107	105032	54.690	ug/L	100
51) Chlorobenzene	9.438	112	269238	53.798	ug/L	100
52) Ethylbenzene	9.560	91	459651	54.963	ug/L	99
53) m,p-Xylene	9.685	106	174775	56.023	ug/L	98
54) o-Xylene	10.090	106	170697	54.907	ug/L	94
55) Styrene	10.106	104	282533	55.611	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.769	83	169489	54.075	ug/L	98
59) Bromoform	10.280	173	64349	53.382	ug/L	96
60) 1,2,3-Trichloropropane	10.811	75	138500	53.069	ug/L	99
61) Isopropylbenzene	10.473	105	451253	53.446	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	374773	53.973	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	361986	53.773	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	204721	53.204	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	204793	52.608	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	200570	53.010	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	31583	53.958	ug/L	99
69) 1,3,5-Trichlorobenzene	13.209	180	144820	53.835	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	126037	56.750	ug/L	100
71) Naphthalene	14.077	128	374510	62.064	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	119926	56.338	ug/L	99

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

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