

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063614.D
 Acq On : 22 Sep 2025 10:57
 Operator : MD/SY
 Sample : VSTD05041
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050041

Quant Time: Sep 23 05:13:20 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	258132	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	248643	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	131728	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	85907	45.111	ug/L	0.00
7) Chloroethane-d5	1.898	69	74817	41.123	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	156049	43.352	ug/L	0.00
21) 2-Butanone-d5	4.612	46	122806	77.072	ug/L	0.00
24) Chloroform-d	5.046	84	164534	41.424	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.686	65	107353	43.813	ug/L	0.00
32) Benzene-d6	5.711	84	311303	43.285	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	100145	41.238	ug/L	0.00
41) Toluene-d8	7.888	98	287559	45.291	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	34917	36.691	ug/L	0.00
47) 2-Hexanone-d5	8.621	63	72827	81.379	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	152986	40.977	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	110189	46.531	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	70143	30.698	ug/L	100
3) Chloromethane	1.515	50	90432	34.380	ug/L	100
5) Vinyl chloride	1.596	62	105430	36.325	ug/L	100
6) Bromomethane	1.837	94	67304	40.450	ug/L	100
8) Chloroethane	1.917	64	72183	39.063	ug/L	100
9) Trichlorofluoromethane	2.126	101	156779	44.108	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	84923	40.422	ug/L	100
12) 1,1-Dichloroethene	2.567	96	74829	40.439	ug/L	100
13) Acetone	2.615	43	128982	102.738	ug/L	100
14) Carbon disulfide	2.779	76	193110	32.707	ug/L	100
15) Methyl Acetate	2.940	43	106907	41.758	ug/L	100
16) Methylene chloride	3.030	84	93260	38.926	ug/L	100
17) trans-1,2-Dichloroethene	3.338	96	81083	40.813	ug/L	100
18) Methyl tert-butyl Ether	3.351	73	263215	43.588	ug/L	100
19) 1,1-Dichloroethane	3.853	63	169873	40.845	ug/L	100
20) cis-1,2-Dichloroethene	4.650	96	95343	42.062	ug/L	100
22) 2-Butanone	4.692	43	154009	84.272	ug/L	100
23) Bromochloromethane	4.959	128	50560	41.603	ug/L	100
25) Chloroform	5.071	83	176526	42.014	ug/L	100
27) 1,2-Dichloroethane	5.779	62	148381	44.753	ug/L	100
29) Cyclohexane	5.374	56	150540	46.563	ug/L	100
30) 1,1,1-Trichloroethane	5.300	97	140300	45.307	ug/L	100
31) Carbon tetrachloride	5.509	117	109851	42.926	ug/L	100
33) Benzene	5.759	78	374877	44.715	ug/L	100
34) Trichloroethene	6.528	95	97242	44.791	ug/L	100
35) Methylcyclohexane	6.750	83	145922	45.320	ug/L	100
37) 1,2-Dichloropropane	6.775	63	98217	39.947	ug/L	100
38) Bromodichloromethane	7.094	83	120322	41.234	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	131014	39.723	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	292085	93.774	ug/L	100
42) Toluene	7.959	91	402263	45.851	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	110032	36.270	ug/L	100

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45) 1,1,2-Trichloroethane	8.386	97	99458	43.530	ug/L	100
46) Tetrachloroethene	8.544	164	74113	45.862	ug/L	100
48) 2-Hexanone	8.673	43	218239	91.243	ug/L	100
49) Dibromochloromethane	8.798	129	88567	41.391	ug/L	100
50) 1,2-Dibromoethane	8.910	107	102103	43.717	ug/L	100
51) Chlorobenzene	9.438	112	262861	45.619	ug/L	100
52) Ethylbenzene	9.560	91	450353	48.175	ug/L	100
53) m,p-Xylene	9.685	106	165466	48.277	ug/L	100
54) o-Xylene	10.090	106	168518	50.883	ug/L	100
55) Styrene	10.103	104	278867	49.837	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.769	83	166097	41.154	ug/L	100
59) Bromoform	10.280	173	63160	37.774	ug/L	100
60) 1,2,3-Trichloropropane	10.811	75	136847	44.147	ug/L	100
61) Isopropylbenzene	10.473	105	449787	51.588	ug/L	100
62) 1,3,5-Trimethylbenzene	11.078	105	377799	55.058	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	366310	56.198	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	203188	47.529	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	205478	46.899	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	201746	46.706	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.984	75	31010	37.750	ug/L	100
69) 1,3,5-Trichlorobenzene	13.209	180	142546	48.798	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	116860	51.269	ug/L	100
71) Naphthalene	14.077	128	315485	51.309	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	110830	49.982	ug/L	100

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

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