

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
 Data File : VV039040.D
 Acq On : 11 Sep 2025 11:55
 Operator : SY/MD
 Sample : VSTD05027
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050227

Quant Time: Sep 12 01:33:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:30:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	910085	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	883302	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	474677	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	426993	54.372	ug/L	0.00
7) Chloroethane-d5	1.542	69	327299	47.091	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.069	65	179319	47.636	ug/L	0.00
21) 2-Butanone-d5	3.780	46	387443	70.718	ug/L	0.00
24) Chloroform-d	4.246	84	699093	44.033	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	404050	44.040	ug/L	0.00
32) Benzene-d6	4.953	84	1355055	48.992	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.979	67	408962	44.987	ug/L	0.00
41) Toluene-d8	7.233	98	1312267	52.996	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.542	79	215463	52.871	ug/L	0.00
47) 2-Hexanone-d5	8.011	63	285414	79.840	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.140	84	606033	44.900	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.545	152	444393	48.015	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	328817	32.717	ug/L	100
3) Chloromethane	1.227	50	366430	35.506	ug/L	100
5) Vinyl chloride	1.294	62	426209	39.416	ug/L	100
6) Bromomethane	1.497	94	229668	42.213	ug/L	100
8) Chloroethane	1.558	64	265110	40.562	ug/L	100
9) Trichlorofluoromethane	1.725	101	593218	41.173	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	378762	43.685	ug/L	100
12) 1,1-Dichloroethene	2.079	96	337530	43.346	ug/L	100
13) Acetone	2.114	43	526693	124.372	ug/L	100
14) Carbon disulfide	2.249	76	1086157	45.365	ug/L	100
15) Methyl Acetate	2.378	43	358929	35.919	ug/L	100
16) Methylene chloride	2.455	84	359322	40.360	ug/L	100
17) trans-1,2-Dichloroethene	2.699	96	341586	43.943	ug/L	100
18) Methyl tert-butyl Ether	2.706	73	997083	42.995	ug/L	100
19) 1,1-Dichloroethane	3.114	63	620254	39.090	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	372013	44.657	ug/L	100
22) 2-Butanone	3.857	43	486645	81.822	ug/L	100
23) Bromochloromethane	4.146	128	193023	43.530	ug/L	100
25) Chloroform	4.272	83	659207	41.716	ug/L	100
27) 1,2-Dichloroethane	5.034	62	488706	41.206	ug/L	100
29) Cyclohexane	4.580	56	560533	45.594	ug/L	100
30) 1,1,1-Trichloroethane	4.510	97	582563	45.265	ug/L	100
31) Carbon tetrachloride	4.731	117	521665	46.363	ug/L	100
33) Benzene	5.005	78	1402247	45.884	ug/L	100
34) Trichloroethene	5.825	95	359350	44.352	ug/L	100
35) Methylcyclohexane	6.043	83	618159	48.278	ug/L	100
37) 1,2-Dichloropropane	6.085	63	365573	42.024	ug/L	100
38) Bromodichloromethane	6.423	83	513047	44.688	ug/L	100
39) cis-1,3-Dichloropropene	6.944	75	590105	46.805	ug/L	100
40) 4-Methyl-2-pentanone	7.143	43	1028272	87.903	ug/L	100
42) Toluene	7.304	91	1607021	50.281	ug/L	100
44) trans-1,3-Dichloropropene	7.571	75	611094	49.457	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.757	97	400735	45.871	ug/L	100
46) Tetrachloroethene	7.895	164	285763	47.319	ug/L	100
48) 2-Hexanone	8.059	43	727515	85.993	ug/L	100
49) Dibromochloromethane	8.165	129	403060	45.604	ug/L	100
50) 1,2-Dibromoethane	8.268	107	396168	44.624	ug/L	100
51) Chlorobenzene	8.802	112	960070	44.989	ug/L	100
52) Ethylbenzene	8.934	91	1637853	47.986	ug/L	100
53) m,p-Xylene	9.059	106	630360	50.275	ug/L	100
54) o-Xylene	9.464	106	592940	48.861	ug/L	100
55) Styrene	9.484	104	1094045	51.878	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.162	83	604558	42.721	ug/L	100
59) Bromoform	9.651	173	300485	45.412	ug/L	100
60) Isopropylbenzene	9.857	105	1628547	48.491	ug/L	100
61) 1,2,3-Trichloropropane	10.194	75	456887	40.393	ug/L	100
62) 1,3,5-Trimethylbenzene	10.464	105	1296323	49.487	ug/L	100
63) 1,2,4-Trimethylbenzene	10.837	105	1290961	50.054	ug/L	100
64) 1,3-Dichlorobenzene	11.104	146	750471	46.747	ug/L	100
65) 1,4-Dichlorobenzene	11.194	146	788763	45.642	ug/L	100
67) 1,2-Dichlorobenzene	11.564	146	747209	46.055	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.352	75	131697	40.525	ug/L	100
69) 1,3,5-Trichlorobenzene	12.567	180	479200	45.143	ug/L	100
70) 1,2,4-trichlorobenzene	13.184	180	420047	46.263	ug/L	100
71) Naphthalene	13.426	128	1535223	47.978	ug/L	100
72) 1,2,3-Trichlorobenzene	13.667	180	464804	48.871	ug/L	100

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

