

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
 Data File : VV039042.D
 Acq On : 11 Sep 2025 12:38
 Operator : SY/MD
 Sample : VSTD20029
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200229

Quant Time: Sep 12 01:34:50 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	5.532	114	947746	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	934598	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	501490	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	1686539	206.225	ug/L	0.00
7) Chloroethane-d5	1.536	69	1348006	186.241	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	765736	195.334	ug/L	0.00
21) 2-Butanone-d5	3.780	46	1176852	206.269	ug/L	0.00
24) Chloroform-d	4.246	84	2981174	180.312	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	1678527	175.682	ug/L	0.00
32) Benzene-d6	4.957	84	5688708	194.388	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	1733149	180.186	ug/L	0.00
41) Toluene-d8	7.236	98	5652122	215.732	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.542	79	936304	217.145	ug/L	0.00
47) 2-Hexanone-d5	8.011	63	1262115	333.679	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.140	84	2726884	190.942	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.548	152	2014752	206.046	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	1322673	126.374	ug/L	99
3) Chloromethane	1.227	50	1481399	137.840	ug/L	99
5) Vinyl chloride	1.294	62	1701429	151.097	ug/L	99
6) Bromomethane	1.484	94	1037078	183.042	ug/L	98
8) Chloroethane	1.555	64	1072689	157.602	ug/L	100
9) Trichlorofluoromethane	1.722	101	2420658	161.331	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	1498025	165.911	ug/L	99
12) 1,1-Dichloroethene	2.079	96	1383382	170.595	ug/L	96
13) Acetone	2.118	43	1944346	440.888	ug/L	98
14) Carbon disulfide	2.249	76	4467310	179.170	ug/L	99
15) Methyl Acetate	2.375	43	1668383	160.326	ug/L	99
16) Methylene chloride	2.455	84	1464979	158.012	ug/L	98
17) trans-1,2-Dichloroethene	2.700	96	1442132	178.148	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	4464346	184.855	ug/L	100
19) 1,1-Dichloroethane	3.114	63	2572512	155.683	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	1631941	188.118	ug/L	99
22) 2-Butanone	3.857	43	2289391	369.632	ug/L	98
23) Bromochloromethane	4.146	128	840444	182.004	ug/L	97
25) Chloroform	4.275	83	2717708	165.147	ug/L	100
27) 1,2-Dichloroethane	5.037	62	2036779	164.910	ug/L	99
29) Cyclohexane	4.584	56	2538871	195.179	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	2416129	177.429	ug/L	99
31) Carbon tetrachloride	4.735	117	2150940	180.672	ug/L	100
33) Benzene	5.008	78	5837964	180.543	ug/L	100
34) Trichloroethene	5.828	95	1606015	187.340	ug/L	98
35) Methylcyclohexane	6.047	83	2715940	200.471	ug/L	98
37) 1,2-Dichloropropane	6.085	63	1552210	168.640	ug/L	100
38) Bromodichloromethane	6.426	83	2234666	183.964	ug/L	98
39) cis-1,3-Dichloropropene	6.944	75	2885576	216.313	ug/L	100
40) 4-Methyl-2-pentanone	7.146	43	4650083	375.701	ug/L	99
42) Toluene	7.307	91	6840593	202.284	ug/L	99
44) trans-1,3-Dichloropropene	7.571	75	2527769	193.350	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.757	97	1568786	169.720	ug/L	98
46) Tetrachloroethene	7.895	164	1202507	188.192	ug/L	98
48) 2-Hexanone	8.063	43	3164525	353.521	ug/L	98
49) Dibromochloromethane	8.169	129	1703157	182.126	ug/L	100
50) 1,2-Dibromoethane	8.272	107	1707863	181.814	ug/L	99
51) Chlorobenzene	8.802	112	4116779	182.326	ug/L	99
52) Ethylbenzene	8.934	91	7157527	198.192	ug/L	98
53) m,p-Xylene	9.063	106	2796862	210.823	ug/L	98
54) o-Xylene	9.468	106	2697658	210.098	ug/L	100
55) Styrene	9.484	104	4702201	210.735	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.165	83	2762902	184.522	ug/L	99
59) Bromoform	9.651	173	1293261	185.000	ug/L	100
60) Isopropylbenzene	9.857	105	7720714	217.595	ug/L	99
61) 1,2,3-Trichloropropane	10.194	75	2062860	172.627	ug/L	99
62) 1,3,5-Trimethylbenzene	10.465	105	6298309	227.584	ug/L	100
63) 1,2,4-Trimethylbenzene	10.837	105	6227557	228.549	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	3360783	198.149	ug/L	99
65) 1,4-Dichlorobenzene	11.194	146	3433268	188.047	ug/L	98
67) 1,2-Dichlorobenzene	11.564	146	3310089	193.111	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.349	75	564254	164.347	ug/L	92
69) 1,3,5-Trichlorobenzene	12.567	180	2220263	197.976	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	2073284	216.138	ug/L	100
71) Naphthalene	13.423	128	7398525	218.851	ug/L	99
72) 1,2,3-Trichlorobenzene	13.664	180	2098659	208.860	ug/L	99

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

