

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039395.D
 Acq On : 17 Nov 2025 16:24
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050330

Quant Time: Nov 18 01:39:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:21:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	1121674	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1131504	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	670099	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	507636	46.438	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery =	92.880%		
7) Chloroethane-d5	1.545	69	378967	46.434	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery =	92.860%		
11) 1,1-Dichloroethene-d2	2.072	65	213479	46.397	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	92.800%		
21) 2-Butanone-d5	3.786	46	547090	94.784	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery =	94.780%		
24) Chloroform-d	4.252	84	847363	46.773	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	93.540%		
26) 1,2-Dichloroethane-d4	4.940	65	521625	46.268	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	92.540%		
32) Benzene-d6	4.960	84	1642448	48.665	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	97.320%		
36) 1,2-Dichloropropane-d6	5.982	67	492947	46.799	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery =	93.600%		
41) Toluene-d8	7.236	98	1549377	49.707	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	99.420%		
43) trans-1,3-Dichloroprop...	7.545	79	251144	47.257	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	94.520%		
47) 2-Hexanone-d5	8.014	63	397846	98.870	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery =	98.870%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	719571	46.735	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery =	93.480%		
66) 1,2-Dichlorobenzene-d4	11.548	152	603103	47.915	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	95.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	393540	50.009	ug/L	99
3) Chloromethane	1.230	50	425508	49.323	ug/L	100
5) Vinyl chloride	1.297	62	478709	49.248	ug/L	100
6) Bromomethane	1.497	94	287845	53.170	ug/L	99
8) Chloroethane	1.561	64	308712	48.250	ug/L	98
9) Trichlorofluoromethane	1.725	101	775249	49.302	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	471439	49.341	ug/L	100
12) 1,1-Dichloroethene	2.082	96	403961	49.106	ug/L	92
13) Acetone	2.117	43	652076	83.448	ug/L	99
14) Carbon disulfide	2.252	76	1160666	49.709	ug/L	100
15) Methyl Acetate	2.381	43	515977	50.815	ug/L	100
16) Methylene chloride	2.458	84	471610	48.946	ug/L	98
17) trans-1,2-Dichloroethene	2.706	96	436020	50.832	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	1349439	51.534	ug/L	99
19) 1,1-Dichloroethane	3.121	63	859141	50.537	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	489514	52.991	ug/L	99
22) 2-Butanone	3.863	43	725612	93.344	ug/L	95
23) Bromochloromethane	4.153	128	270477	49.581	ug/L	98
25) Chloroform	4.278	83	910019	49.021	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	705536	51.567	ug/L	99
29) Cyclohexane	4.587	56	732313	54.675	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	813417	50.821	ug/L	99
31) Carbon tetrachloride	4.735	117	739075	50.166	ug/L	100
33) Benzene	5.008	78	1859944	52.646	ug/L	100
34) Trichloroethene	5.831	95	493468	51.701	ug/L	100
35) Methylcyclohexane	6.046	83	761239	54.271	ug/L	99
37) 1,2-Dichloropropane	6.088	63	507161	50.762	ug/L	100
38) Bromodichloromethane	6.426	83	698712	50.305	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	811396	52.739	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	1413026	112.494	ug/L	100
42) Toluene	7.307	91	2034870	54.349	ug/L	100
44) trans-1,3-Dichloropropene	7.571	75	777443	52.420	ug/L	98
45) 1,1,2-Trichloroethane	7.757	97	521348	50.169	ug/L	99
46) Tetrachloroethene	7.895	164	445369	50.796	ug/L	99
48) 2-Hexanone	8.062	43	1135303	108.190	ug/L	99
49) Dibromochloromethane	8.165	129	586282	49.387	ug/L	98
50) 1,2-Dibromoethane	8.271	107	551477	49.262	ug/L	98
51) Chlorobenzene	8.802	112	1338567	49.875	ug/L	98
52) Ethylbenzene	8.934	91	2224148	54.649	ug/L	99
53) m,p-Xylene	9.062	106	869710	55.830	ug/L	97
54) o-Xylene	9.468	106	818217	54.965	ug/L	100
55) Styrene	9.484	104	1497786	57.212	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	835215	50.021	ug/L	97
59) Bromoform	9.651	173	492874	48.059	ug/L	98
60) Isopropylbenzene	9.857	105	2231265	54.706	ug/L	100
61) 1,2,3-Trichloropropane	10.194	75	640499	49.020	ug/L	100
62) 1,3,5-Trimethylbenzene	10.464	105	1780930	55.911	ug/L	99
63) 1,2,4-Trimethylbenzene	10.841	105	1765898	56.382	ug/L	100
64) 1,3-Dichlorobenzene	11.104	146	1139340	51.310	ug/L	99
65) 1,4-Dichlorobenzene	11.194	146	1191758	49.816	ug/L	99
67) 1,2-Dichlorobenzene	11.564	146	1120577	50.531	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.348	75	177976	48.518	ug/L	97
69) 1,3,5-Trichlorobenzene	12.567	180	817323	51.674	ug/L	100
70) 1,2,4-trichlorobenzene	13.184	180	715799	51.937	ug/L	100
71) Naphthalene	13.422	128	2134804	55.013	ug/L	100
72) 1,2,3-Trichlorobenzene	13.664	180	765594	53.617	ug/L	100

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

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