

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111825\
 Data File : VV039397.D
 Acq On : 18 Nov 2025 09:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050331

Quant Time: Nov 19 03:41:35 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

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	1073973	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1096360	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	668284	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	478978	45.762	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery =	91.520%		
7) Chloroethane-d5	1.545	69	368147	47.111	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery =	94.220%		
11) 1,1-Dichloroethene-d2	2.069	65	202830	46.041	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	92.080%		
21) 2-Butanone-d5	3.783	46	456724m	82.643	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery =	82.640%		
24) Chloroform-d	4.246	84	829652	47.829	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	95.660%		
26) 1,2-Dichloroethane-d4	4.937	65	505818	46.859	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	93.720%		
32) Benzene-d6	4.957	84	1583923	48.435	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	96.880%		
36) 1,2-Dichloropropane-d6	5.982	67	479640	46.995	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery =	94.000%		
41) Toluene-d8	7.233	98	1513631	50.117	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	100.240%		
43) trans-1,3-Dichloroprop...	7.542	79	236420	45.913	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	91.820%		
47) 2-Hexanone-d5	8.011	63	332845	85.368	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery =	85.370%		
56) 1,1,2,2-Tetrachloroeth...	10.136	84	693057	46.456	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery =	92.920%		
66) 1,2-Dichlorobenzene-d4	11.545	152	578350	46.073	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	92.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	375930	49.893	ug/L	100
3) Chloromethane	1.230	50	405309	49.069	ug/L	100
5) Vinyl chloride	1.298	62	454071	48.788	ug/L	100
6) Bromomethane	1.497	94	273247	52.715	ug/L	98
8) Chloroethane	1.561	64	295270	48.199	ug/L	99
9) Trichlorofluoromethane	1.725	101	741012	49.218	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	450007	49.190	ug/L	99
12) 1,1-Dichloroethene	2.082	96	384973	48.876	ug/L	91
13) Acetone	2.114	43	681865	91.136	ug/L	98
14) Carbon disulfide	2.253	76	1098967	49.157	ug/L	100
15) Methyl Acetate	2.378	43	454823	46.782	ug/L	99
16) Methylene chloride	2.455	84	447756	48.534	ug/L	97
17) trans-1,2-Dichloroethene	2.703	96	408567	49.747	ug/L	100
18) Methyl tert-butyl Ether	2.709	73	1198477	47.802	ug/L	99
19) 1,1-Dichloroethane	3.117	63	803458	49.360	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	436840	49.389	ug/L	99
22) 2-Butanone	3.857	43	687468	92.366	ug/L	93
23) Bromochloromethane	4.150	128	260168	49.810	ug/L	97
25) Chloroform	4.275	83	869265	48.905	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	647950	49.461	ug/L	100
29) Cyclohexane	4.584	56	657103	50.632	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	756936	48.808	ug/L	99
31) Carbon tetrachloride	4.732	117	702127	49.185	ug/L	99
33) Benzene	5.005	78	1749447	51.105	ug/L	100
34) Trichloroethene	5.828	95	459265	49.660	ug/L	98
35) Methylcyclohexane	6.043	83	693054	50.994	ug/L	99
37) 1,2-Dichloropropane	6.085	63	473895	48.953	ug/L	100
38) Bromodichloromethane	6.423	83	652643	48.495	ug/L	99
39) cis-1,3-Dichloropropene	6.944	75	731433	49.066	ug/L	99
40) 4-Methyl-2-pentanone	7.143	43	1230434	101.098	ug/L	99
42) Toluene	7.304	91	1927120	53.121	ug/L	99
44) trans-1,3-Dichloropropene	7.571	75	720340	50.127	ug/L	98
45) 1,1,2-Trichloroethane	7.757	97	494149	49.076	ug/L	97
46) Tetrachloroethene	7.895	164	425750	50.115	ug/L	98
48) 2-Hexanone	8.059	43	1038979	102.184	ug/L	99
49) Dibromochloromethane	8.165	129	550507	47.860	ug/L	99
50) 1,2-Dibromoethane	8.268	107	513133	47.307	ug/L	99
51) Chlorobenzene	8.802	112	1265268	48.655	ug/L	100
52) Ethylbenzene	8.934	91	2060078	52.240	ug/L	99
53) m,p-Xylene	9.059	106	819841	54.315	ug/L	98
54) o-Xylene	9.468	106	760460	52.722	ug/L	97
55) Styrene	9.484	104	1429852	56.368	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.162	83	785201	48.533	ug/L	98
59) Bromoform	9.651	173	466060	45.568	ug/L	99
60) Isopropylbenzene	9.854	105	2077051	51.063	ug/L	100
61) 1,2,3-Trichloropropane	10.194	75	603200	46.291	ug/L	100
62) 1,3,5-Trimethylbenzene	10.464	105	1621956	51.059	ug/L	99
63) 1,2,4-Trimethylbenzene	10.837	105	1637113	52.413	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	1078046	48.682	ug/L	99
65) 1,4-Dichlorobenzene	11.194	146	1141878	47.861	ug/L	100
67) 1,2-Dichlorobenzene	11.564	146	1067722	48.278	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.349	75	161008	44.011	ug/L	97
69) 1,3,5-Trichlorobenzene	12.567	180	755532	47.898	ug/L	100
70) 1,2,4-trichlorobenzene	13.185	180	630144	45.846	ug/L	99
71) Naphthalene	13.423	128	1873006	48.398	ug/L	100
72) 1,2,3-Trichlorobenzene	13.664	180	708405	49.746	ug/L	100

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

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