

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091225\
 Data File : VV039050.D
 Acq On : 12 Sep 2025 09:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050328

Quant Time: Sep 13 00:18:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:49:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	795733	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	809637	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	441472	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	349620	47.829	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.660%
7) Chloroethane-d5	1.542	69	295153	51.046	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.100%
11) 1,1-Dichloroethene-d2	2.069	65	157852	50.066	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.140%
21) 2-Butanone-d5	3.786	46	291409	101.588	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.590%
24) Chloroform-d	4.249	84	647835	53.740	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.480%
26) 1,2-Dichloroethane-d4	4.937	65	374277	52.721	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.440%
32) Benzene-d6	4.957	84	1229166	52.368	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.740%
36) 1,2-Dichloropropane-d6	5.982	67	369410	48.102	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.200%
41) Toluene-d8	7.233	98	1143701	52.195	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.380%
43) trans-1,3-Dichloroprop...	7.545	79	182834	50.375	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.740%
47) 2-Hexanone-d5	8.014	63	224172	102.540	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.540%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	592748	54.201	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.400%
66) 1,2-Dichlorobenzene-d4	11.548	152	402940	48.597	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	305580	50.537	ug/L	99
3) Chloromethane	1.227	50	345514	50.953	ug/L	98
5) Vinyl chloride	1.294	62	383504	49.179	ug/L	99
6) Bromomethane	1.497	94	220096	50.665	ug/L	98
8) Chloroethane	1.561	64	252760	50.986	ug/L	99
9) Trichlorofluoromethane	1.725	101	567460	51.615	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	343111	49.768	ug/L	99
12) 1,1-Dichloroethene	2.082	96	306487	50.060	ug/L	91
13) Acetone	2.117	43	520106	98.483	ug/L	100
14) Carbon disulfide	2.253	76	949897	47.414	ug/L	99
15) Methyl Acetate	2.378	43	343819	50.066	ug/L	99
16) Methylene chloride	2.455	84	354198	52.564	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	321040	52.693	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	911725	52.215	ug/L	99
19) 1,1-Dichloroethane	3.117	63	598776	52.835	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	341432	52.442	ug/L	98
22) 2-Butanone	3.860	43	480703	107.827	ug/L	100
23) Bromochloromethane	4.146	128	188523	52.927	ug/L	96
25) Chloroform	4.275	83	649112	53.654	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	462821	52.535	ug/L	99
29) Cyclohexane	4.584	56	519118	51.608	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	556847	51.022	ug/L	99
31) Carbon tetrachloride	4.735	117	493355	50.820	ug/L	98
33) Benzene	5.008	78	1356735	53.750	ug/L	100
34) Trichloroethene	5.828	95	345880	50.557	ug/L	97
35) Methylcyclohexane	6.047	83	568333	51.913	ug/L	98
37) 1,2-Dichloropropane	6.085	63	371103	54.941	ug/L	100
38) Bromodichloromethane	6.426	83	484842	50.991	ug/L	96
39) cis-1,3-Dichloropropene	6.947	75	546973	50.793	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	909622	106.124	ug/L	99
42) Toluene	7.307	91	1454630	52.308	ug/L	99
44) trans-1,3-Dichloropropene	7.571	75	537485	51.773	ug/L	99
45) 1,1,2-Trichloroethane	7.757	97	373327	52.209	ug/L	99
46) Tetrachloroethene	7.895	164	270066	50.893	ug/L	98
48) 2-Hexanone	8.063	43	742201	124.152	ug/L	99
49) Dibromochloromethane	8.165	129	393284	52.033	ug/L	99
50) 1,2-Dibromoethane	8.272	107	389544	52.164	ug/L	100
51) Chlorobenzene	8.802	112	931134	51.537	ug/L	100
52) Ethylbenzene	8.934	91	1549590	52.958	ug/L	100
53) m,p-Xylene	9.063	106	608843	54.376	ug/L	100
54) o-Xylene	9.468	106	566929	54.667	ug/L	99
55) Styrene	9.484	104	1072658	58.564	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	622067	53.947	ug/L	99
59) Bromoform	9.654	173	290156	48.771	ug/L	99
60) Isopropylbenzene	9.857	105	1538758	50.643	ug/L	100
61) 1,2,3-Trichloropropane	10.194	75	452105	48.733	ug/L	100
62) 1,3,5-Trimethylbenzene	10.464	105	1219245	51.305	ug/L	100
63) 1,2,4-Trimethylbenzene	10.841	105	1227681	52.123	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	724766	50.105	ug/L	99
65) 1,4-Dichlorobenzene	11.194	146	773487	49.954	ug/L	99
67) 1,2-Dichlorobenzene	11.564	146	724433	50.075	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.349	75	125663	48.242	ug/L	98
69) 1,3,5-Trichlorobenzene	12.570	180	461280	49.400	ug/L	100
70) 1,2,4-trichlorobenzene	13.185	180	359185	44.241	ug/L	98
71) Naphthalene	13.426	128	1416684	52.193	ug/L	100
72) 1,2,3-Trichlorobenzene	13.664	180	438525	52.025	ug/L	99

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

