

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091225\
 Data File : VV039056.D
 Acq On : 12 Sep 2025 13:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050329

Quant Time: Sep 13 00:28:16 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	5.532	114	904044	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	895436	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	458556	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	359755	43.319	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.640%		
7) Chloroethane-d5	1.542	69	292943	44.594	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.180%		
11) 1,1-Dichloroethene-d2	2.069	65	160129	44.704	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.400%		
21) 2-Butanone-d5	3.786	46	325751	99.955	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.950%		
24) Chloroform-d	4.249	84	658951	48.113	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.220%		
26) 1,2-Dichloroethane-d4	4.937	65	380211	47.140	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.280%		
32) Benzene-d6	4.957	84	1260082	48.541	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.080%		
36) 1,2-Dichloropropane-d6	5.982	67	381760	44.947	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.900%		
41) Toluene-d8	7.233	98	1160627	47.892	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.780%		
43) trans-1,3-Dichloroprop...	7.545	79	186897	46.560	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.120%		
47) 2-Hexanone-d5	8.014	63	241298	99.798	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.800%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	615669	50.902	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.800%		
66) 1,2-Dichlorobenzene-d4	11.548	152	399900	46.434	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	323465	47.086	ug/L	99
3) Chloromethane	1.227	50	367850	47.748	ug/L	98
5) Vinyl chloride	1.294	62	409412	46.211	ug/L	99
6) Bromomethane	1.497	94	222451	45.072	ug/L	100
8) Chloroethane	1.561	64	260294	46.215	ug/L	98
9) Trichlorofluoromethane	1.725	101	598435	47.911	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	360617	46.041	ug/L	100
12) 1,1-Dichloroethene	2.079	96	324812	46.697	ug/L	97
13) Acetone	2.117	43	558638	93.106	ug/L	97
14) Carbon disulfide	2.249	76	994999	43.715	ug/L	99
15) Methyl Acetate	2.378	43	379221	48.605	ug/L	99
16) Methylene chloride	2.455	84	375107	48.997	ug/L	100
17) trans-1,2-Dichloroethene	2.703	96	339669	49.071	ug/L	100
18) Methyl tert-butyl Ether	2.709	73	978359	49.319	ug/L	99
19) 1,1-Dichloroethane	3.117	63	640679	49.759	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	363467	49.138	ug/L	98
22) 2-Butanone	3.860	43	538582	106.336	ug/L	97
23) Bromochloromethane	4.146	128	195963	48.424	ug/L	97
25) Chloroform	4.275	83	672832	48.951	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	498737	49.830	ug/L	99
29) Cyclohexane	4.584	56	564586	50.751	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	589988	48.878	ug/L	100
31) Carbon tetrachloride	4.735	117	524267	48.829	ug/L	100
33) Benzene	5.008	78	1434304	51.379	ug/L	100
34) Trichloroethene	5.828	95	362631	47.927	ug/L	97
35) Methylcyclohexane	6.047	83	607340	50.160	ug/L	98
37) 1,2-Dichloropropane	6.085	63	380534	50.939	ug/L	98
38) Bromodichloromethane	6.426	83	511445	48.635	ug/L	97
39) cis-1,3-Dichloropropene	6.947	75	585424	49.154	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	996387	105.108	ug/L	99
42) Toluene	7.307	91	1540443	50.086	ug/L	99
44) trans-1,3-Dichloropropene	7.571	75	572510	49.862	ug/L	97
45) 1,1,2-Trichloroethane	7.760	97	390529	49.382	ug/L	98
46) Tetrachloroethene	7.895	164	284350	48.450	ug/L	97
48) 2-Hexanone	8.063	43	801740	121.261	ug/L	98
49) Dibromochloromethane	8.165	129	404315	48.367	ug/L	99
50) 1,2-Dibromoethane	8.272	107	413618	50.081	ug/L	99
51) Chlorobenzene	8.802	112	974759	48.782	ug/L	100
52) Ethylbenzene	8.937	91	1642505	50.755	ug/L	99
53) m,p-Xylene	9.063	106	639068	51.607	ug/L	99
54) o-Xylene	9.468	106	601869	52.475	ug/L	99
55) Styrene	9.484	104	1119921	55.285	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.165	83	661254	51.851	ug/L	99
59) Bromoform	9.654	173	299145	48.409	ug/L	100
60) Isopropylbenzene	9.857	105	1639206	51.939	ug/L	100
61) 1,2,3-Trichloropropane	10.198	75	505234	52.431	ug/L	98
62) 1,3,5-Trimethylbenzene	10.464	105	1306154	52.914	ug/L	98
63) 1,2,4-Trimethylbenzene	10.841	105	1311406	53.604	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	761286	50.669	ug/L	99
65) 1,4-Dichlorobenzene	11.198	146	790734	49.165	ug/L	99
67) 1,2-Dichlorobenzene	11.564	146	737253	49.062	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.349	75	140330	51.865	ug/L	91
69) 1,3,5-Trichlorobenzene	12.570	180	490110	50.532	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	412644	48.932	ug/L	98
71) Naphthalene	13.426	128	1507984	53.487	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	461401	52.700	ug/L	99

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

