

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
 Data File : VV039048.D
 Acq On : 11 Sep 2025 15:55
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050327

Quant Time: Sep 12 02:03:12 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	738757	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	742857	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	373405	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	304691	44.898	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.800%
7) Chloroethane-d5	1.542	69	266949	49.729	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.460%
11) 1,1-Dichloroethene-d2	2.069	65	138034	47.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.320%
21) 2-Butanone-d5	3.783	46	407513	153.020	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	153.020%#
24) Chloroform-d	4.249	84	611932	54.676	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.360%
26) 1,2-Dichloroethane-d4	4.940	65	379366	57.559	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.120%
32) Benzene-d6	4.960	84	1150999	53.446	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.900%
36) 1,2-Dichloropropane-d6	5.985	67	365430	51.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.720%
41) Toluene-d8	7.236	98	1045967	52.026	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.060%
43) trans-1,3-Dichloroprop...	7.545	79	188745	56.678	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.360%
47) 2-Hexanone-d5	8.014	63	306872	152.988	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	152.990%#
56) 1,1,2,2-Tetrachloroeth...	10.140	84	579928	57.795	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.600%
66) 1,2-Dichlorobenzene-d4	11.548	152	371241	52.936	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	233293	41.558	ug/L	100
3) Chloromethane	1.227	50	296119	47.037	ug/L	100
5) Vinyl chloride	1.294	62	308537	42.617	ug/L	99
6) Bromomethane	1.497	94	191562	47.497	ug/L	97
8) Chloroethane	1.561	64	210002	45.628	ug/L	98
9) Trichlorofluoromethane	1.725	101	446164	43.712	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	276566	43.210	ug/L	99
12) 1,1-Dichloroethene	2.082	96	250369	44.048	ug/L	94
13) Acetone	2.117	43	378242	77.144	ug/L	98
14) Carbon disulfide	2.252	76	771787	41.495	ug/L	98
15) Methyl Acetate	2.378	43	369059	57.886	ug/L	99
16) Methylene chloride	2.455	84	334365	53.447	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	282779	49.993	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	951697	58.708	ug/L	99
19) 1,1-Dichloroethane	3.117	63	537310	51.068	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	316319	52.332	ug/L	98
22) 2-Butanone	3.863	43	457622	110.566	ug/L	99
23) Bromochloromethane	4.146	128	183363	55.448	ug/L	98
25) Chloroform	4.278	83	583278	51.930	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	456438	55.806	ug/L	99
29) Cyclohexane	4.584	56	417472	45.234	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	463660	46.302	ug/L	99
31) Carbon tetrachloride	4.735	117	401319	45.055	ug/L	99
33) Benzene	5.008	78	1196347	51.657	ug/L	100
34) Trichloroethene	5.831	95	293858	46.814	ug/L	98
35) Methylcyclohexane	6.046	83	450187	44.818	ug/L	99
37) 1,2-Dichloropropane	6.088	63	333423	53.800	ug/L	99
38) Bromodichloromethane	6.426	83	458070	52.506	ug/L	97
39) cis-1,3-Dichloropropene	6.947	75	523833	53.017	ug/L	98
40) 4-Methyl-2-pentanone	7.146	43	963638	122.533	ug/L	99
42) Toluene	7.307	91	1256173	49.233	ug/L	100
44) trans-1,3-Dichloropropene	7.571	75	514188	53.981	ug/L	98
45) 1,1,2-Trichloroethane	7.757	97	360068	54.882	ug/L	99
46) Tetrachloroethene	7.895	164	220716	45.332	ug/L	98
48) 2-Hexanone	8.062	43	750157	136.763	ug/L	99
49) Dibromochloromethane	8.165	129	372681	53.740	ug/L	100
50) 1,2-Dibromoethane	8.271	107	383304	55.943	ug/L	99
51) Chlorobenzene	8.805	112	805831	48.611	ug/L	99
52) Ethylbenzene	8.937	91	1301302	48.471	ug/L	99
53) m,p-Xylene	9.062	106	507371	49.387	ug/L	99
54) o-Xylene	9.468	106	489944	51.491	ug/L	98
55) Styrene	9.484	104	916433	54.532	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.165	83	592793	56.030	ug/L	100
59) Bromoform	9.654	173	281632	55.968	ug/L	99
60) Isopropylbenzene	9.857	105	1278380	49.743	ug/L	99
61) 1,2,3-Trichloropropane	10.197	75	449198	57.246	ug/L	100
62) 1,3,5-Trimethylbenzene	10.464	105	1020484	50.769	ug/L	100
63) 1,2,4-Trimethylbenzene	10.841	105	1037991	52.103	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	610469	49.897	ug/L	98
65) 1,4-Dichlorobenzene	11.197	146	636665	48.613	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	645520	52.754	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.352	75	132061	59.940	ug/L	96
69) 1,3,5-Trichlorobenzene	12.570	180	392900	49.747	ug/L	100
70) 1,2,4-trichlorobenzene	13.184	180	338176	49.246	ug/L	99
71) Naphthalene	13.426	128	1330123	57.937	ug/L	100
72) 1,2,3-Trichlorobenzene	13.667	180	385621	54.088	ug/L	99

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

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