

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV060925\
 Data File : VV038765.D
 Acq On : 09 Jun 2025 13:54
 Operator : SY/MD
 Sample : VSTD05021
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050221

Quant Time: Jun 10 08:52:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 10 08:48:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	614783	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	628747	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	345592	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	240374	38.835	ug/L	0.00
7) Chloroethane-d5	1.542	69	217317	41.885	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.069	65	114518	41.259	ug/L	0.00
21) 2-Butanone-d5	3.783	46	404897	181.605	ug/L	0.00
24) Chloroform-d	4.253	84	514084	45.946	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	313231	48.115	ug/L	0.00
32) Benzene-d6	4.960	84	1002095	50.334	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	320535	49.860	ug/L	0.00
41) Toluene-d8	7.236	98	907011	52.442	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	146505	55.301	ug/L	0.00
47) 2-Hexanone-d5	8.014	63	297625	223.802	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.140	84	473498	59.402	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.548	152	315720	47.862	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.118	85	330569	69.067	ug/L	99
3) Chloromethane	1.227	50	329806	53.036	ug/L	99
5) Vinyl chloride	1.294	62	348257	53.977	ug/L	99
6) Bromomethane	1.494	94	173200	51.285	ug/L	99
8) Chloroethane	1.558	64	208216	50.675	ug/L	98
9) Trichlorofluoromethane	1.722	101	456541	55.788	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	264685	53.945	ug/L	99
12) 1,1-Dichloroethene	2.079	96	240986	52.235	ug/L	96
13) Acetone	2.118	43	269815	123.150	ug/L	96
14) Carbon disulfide	2.249	76	749547	52.303	ug/L	100
15) Methyl Acetate	2.378	43	340081	77.608	ug/L	94
16) Methylene chloride	2.455	84	283171	48.237	ug/L	93
17) trans-1,2-Dichloroethene	2.703	96	253539	52.218	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	778812	57.045	ug/L	99
19) 1,1-Dichloroethane	3.118	63	514237	50.303	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	278638	52.484	ug/L	94
22) 2-Butanone	3.864	43	430234	167.015	ug/L	97
23) Bromochloromethane	4.150	128	147118	51.601	ug/L	86
25) Chloroform	4.278	83	509058	49.627	ug/L	100
27) 1,2-Dichloroethane	5.040	62	391767	53.283	ug/L	98
29) Cyclohexane	4.584	56	458461	59.255	ug/L	92
30) 1,1,1-Trichloroethane	4.513	97	436652	54.195	ug/L	97
31) Carbon tetrachloride	4.735	117	375813	54.245	ug/L	99
33) Benzene	5.008	78	1088962	54.518	ug/L	100
34) Trichloroethene	5.831	95	279525	54.412	ug/L	99
35) Methylcyclohexane	6.047	83	460009	61.017	ug/L	97
37) 1,2-Dichloropropane	6.088	63	305256	54.845	ug/L	98
38) Bromodichloromethane	6.426	83	389167	53.122	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	465188	58.414	ug/L	100
40) 4-Methyl-2-pentanone	7.146	43	924038	187.037	ug/L	94
42) Toluene	7.307	91	1164908	57.159	ug/L	98
44) trans-1,3-Dichloropropene	7.574	75	445302	59.010	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.760	97	292134	55.673	ug/L	98
46) Tetrachloroethene	7.899	164	206527	56.619	ug/L	98
48) 2-Hexanone	8.063	43	731807	213.688	ug/L	93
49) Dibromochloromethane	8.169	129	300164	57.343	ug/L	99
50) 1,2-Dibromoethane	8.272	107	306936	60.103	ug/L	98
51) Chlorobenzene	8.805	112	737772	52.979	ug/L	99
52) Ethylbenzene	8.937	91	1240739	55.121	ug/L	100
53) m,p-Xylene	9.063	106	474077	58.012	ug/L	99
54) o-Xylene	9.468	106	446249	56.208	ug/L	100
55) Styrene	9.484	104	828977	59.425	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.166	83	489271	62.626	ug/L	98
59) Bromoform	9.654	173	219931	68.524	ug/L	100
60) Isopropylbenzene	9.857	105	1226781	56.430	ug/L	99
61) 1,2,3-Trichloropropane	10.198	75	385521	66.894	ug/L	98
62) 1,3,5-Trimethylbenzene	10.465	105	964099	57.248	ug/L	100
63) 1,2,4-Trimethylbenzene	10.841	105	976432	57.173	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	564811	53.590	ug/L	98
65) 1,4-Dichlorobenzene	11.198	146	593807	52.551	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	561243	52.426	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.352	75	107886	77.450	ug/L	94
69) 1,3,5-Trichlorobenzene	12.571	180	360801	53.732	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	315279	57.115	ug/L	99
71) Naphthalene	13.426	128	1197755	83.662	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	341063	63.036	ug/L	99

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

