

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039385.D
 Acq On : 17 Nov 2025 11:38
 Operator : SY/MD
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005231

Manual Integrations
 APPROVED

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

Quant Time: Nov 18 01:01:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:01:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	1001566	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1025049	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	546080	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	47303	5.406	ug/L	0.00
7) Chloroethane-d5	1.545	69	36886	4.807	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.072	65	21367	5.135	ug/L	0.00
21) 2-Butanone-d5	3.828	46	48521m	7.817	ug/L	0.05
24) Chloroform-d	4.259	84	79988	4.521	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	49641	4.803	ug/L	0.02
32) Benzene-d6	4.966	84	129851	4.020	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	41732	3.936	ug/L	0.00
41) Toluene-d8	7.243	98	114407	3.980	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	20581m	4.364	ug/L	0.02
47) 2-Hexanone-d5	8.027	63	27355m	6.428	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.140	84	68393	4.361	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	45629	4.249	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	40670	3.698	ug/L	93
3) Chloromethane	1.230	50	46591	4.155	ug/L	95
5) Vinyl chloride	1.298	62	50552	4.326	ug/L	96
6) Bromomethane	1.500	94	27972	4.759	ug/L	100
8) Chloroethane	1.564	64	34340	4.825	ug/L	94
9) Trichlorofluoromethane	1.728	101	84472	5.301	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	50463	5.305	ug/L	99
12) 1,1-Dichloroethene	2.085	96	43526	5.122	ug/L	80
13) Acetone	2.121	43	92964	19.628	ug/L	95
14) Carbon disulfide	2.253	76	124713	4.880	ug/L	99
15) Methyl Acetate	2.388	43	47955	4.268	ug/L	100
16) Methylene chloride	2.458	84	51378	5.215	ug/L	95
17) trans-1,2-Dichloroethene	2.709	96	42389	4.941	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	114523	4.426	ug/L	97
19) 1,1-Dichloroethane	3.124	63	88073	4.983	ug/L	97
20) cis-1,2-Dichloroethene	3.828	96	38529	4.188	ug/L	95
22) 2-Butanone	3.902	43	75573m	11.118	ug/L	
23) Bromochloromethane	4.166	128	25983	5.213	ug/L	99
25) Chloroform	4.281	83	99957	5.664	ug/L	97
27) 1,2-Dichloroethane	5.050	62	65525	4.923	ug/L	96
29) Cyclohexane	4.580	56	54741	3.857	ug/L	94
30) 1,1,1-Trichloroethane	4.513	97	82748	5.497	ug/L	98
31) Carbon tetrachloride	4.738	117	76210	5.759	ug/L	100
33) Benzene	5.014	78	164196	4.624	ug/L	100
34) Trichloroethene	5.841	95	44852	4.740	ug/L	97
35) Methylcyclohexane	6.047	83	58968	4.034	ug/L	96
37) 1,2-Dichloropropane	6.092	63	50516m	4.952	ug/L	
38) Bromodichloromethane	6.432	83	70888	5.284	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	65854	4.470	ug/L	96
40) 4-Methyl-2-pentanone	7.153	43	100374	7.348	ug/L	95
42) Toluene	7.313	91	161817	4.397	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	59520	4.166	ug/L	98

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45) 1,1,2-Trichloroethane	7.764	97	52616	5.200	ug/L	97
46) Tetrachloroethene	7.899	164	43015	5.927	ug/L	94
48) 2-Hexanone	8.072	43	87909m	8.671	ug/L	
49) Dibromochloromethane	8.169	129	59412	5.678	ug/L	94
50) 1,2-Dibromoethane	8.278	107	56674	5.437	ug/L #	93
51) Chlorobenzene	8.805	112	135101	5.391	ug/L	98
52) Ethylbenzene	8.937	91	172194	4.332	ug/L	98
53) m,p-Xylene	9.066	106	63003	4.296	ug/L	95
54) o-Xylene	9.468	106	60521	4.267	ug/L	100
55) Styrene	9.490	104	101904	4.127	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.165	83	86612	5.228	ug/L	96
59) Bromoform	9.657	173	50129	6.412	ug/L	98
60) Isopropylbenzene	9.857	105	157383	4.130	ug/L	98
61) 1,2,3-Trichloropropane	10.198	75	63072	4.868	ug/L	97
62) 1,3,5-Trimethylbenzene	10.464	105	115545	3.887	ug/L	96
63) 1,2,4-Trimethylbenzene	10.841	105	111355	3.807	ug/L	98
64) 1,3-Dichlorobenzene	11.111	146	97073	5.203	ug/L	99
65) 1,4-Dichlorobenzene	11.197	146	112134	5.589	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	101329	5.377	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.355	75	17171	4.645	ug/L	98
69) 1,3,5-Trichlorobenzene	12.570	180	66467	5.283	ug/L	95
70) 1,2,4-trichlorobenzene	13.188	180	54212	5.038	ug/L	99
71) Naphthalene	13.429	128	135441m	3.706	ug/L	
72) 1,2,3-Trichlorobenzene	13.667	180	54148	4.822	ug/L	99

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

