

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039394.D
 Acq On : 17 Nov 2025 16:03
 Operator : SY/MD
 Sample : Q3589-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2025-07

Quant Time: Nov 18 01:45:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:21:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	1045657	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	1056310	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	518578	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	476763	46.784	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.560%		
7) Chloroethane-d5	1.545	69	368074	48.378	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.760%		
11) 1,1-Dichloroethene-d2	2.072	65	204588	47.697	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.400%		
21) 2-Butanone-d5	3.786	46	504544	93.768	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.770%		
24) Chloroform-d	4.252	84	782433	46.328	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.660%		
26) 1,2-Dichloroethane-d4	4.941	65	506971	48.238	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.480%		
32) Benzene-d6	4.960	84	1550760	49.219	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.440%		
36) 1,2-Dichloropropane-d6	5.982	67	496423	50.484	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.960%		
41) Toluene-d8	7.236	98	1360360	46.749	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.500%		
43) trans-1,3-Dichloroprop...	7.548	79	226877	45.730	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.460%		
47) 2-Hexanone-d5	8.014	63	369415	98.340	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.340%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	674066	46.896	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.800%		
66) 1,2-Dichlorobenzene-d4	11.548	152	532399	54.657	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	15473	2.109	ug/L	92
3) Chloromethane	1.230	50	16406	2.040	ug/L	93
5) Vinyl chloride	1.298	62	21243m	2.344	ug/L	
6) Bromomethane	1.500	94	12477	2.472	ug/L	99
8) Chloroethane	1.561	64	13001	2.180	ug/L	84
9) Trichlorofluoromethane	1.728	101	29630	2.021	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	25114m	2.820	ug/L	
12) 1,1-Dichloroethene	2.079	96	20052	2.615	ug/L #	1
13) Acetone	2.124	43	29648	4.070	ug/L	94
14) Carbon disulfide	2.256	76	46506	2.137	ug/L	99
15) Methyl Acetate	2.397	43	24062m	2.542	ug/L	
16) Methylene chloride	2.462	84	21547	2.399	ug/L	97
17) trans-1,2-Dichloroethene	2.709	96	16505	2.064	ug/L	98
18) Methyl tert-butyl Ether	2.712	73	44783	1.835	ug/L	97
19) 1,1-Dichloroethane	3.124	63	31375	1.980	ug/L	94
20) cis-1,2-Dichloroethene	3.841	96	19477m	2.262	ug/L	
22) 2-Butanone	3.918	43	33683m	4.648	ug/L	
23) Bromochloromethane	4.172	128	10958	2.155	ug/L #	91
25) Chloroform	4.281	83	46905	2.710	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	29925m	2.346	ug/L	
29) Cyclohexane	4.587	56	24033m	1.922	ug/L	
30) 1,1,1-Trichloroethane	4.519	97	31695m	2.121	ug/L	
31) Carbon tetrachloride	4.738	117	27375	1.990	ug/L	96
33) Benzene	5.018	78	72587	2.201	ug/L	100
34) Trichloroethene	5.847	95	18055	2.026	ug/L	93
35) Methylcyclohexane	6.043	83	27009m	2.063	ug/L	
37) 1,2-Dichloropropane	6.098	63	22073m	2.367	ug/L	
38) Bromodichloromethane	6.436	83	25624	1.976	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	29633m	2.063	ug/L	
40) 4-Methyl-2-pentanone	7.159	43	51969m	4.432	ug/L	
42) Toluene	7.320	91	69049	1.975	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	30521m	2.204	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	18574	1.915	ug/L	93
46) Tetrachloroethene	7.902	164	17951	2.193	ug/L	96
48) 2-Hexanone	8.082	43	46527m	4.749	ug/L	
49) Dibromochloromethane	8.172	129	22256	2.008	ug/L	96
50) 1,2-Dibromoethane	8.284	107	22008	2.106	ug/L	99
51) Chlorobenzene	8.809	112	52211	2.084	ug/L	97
52) Ethylbenzene	8.944	91	64719	1.703	ug/L	99
53) m,p-Xylene	9.072	106	24218	1.665	ug/L	95
54) o-Xylene	9.474	106	21688	1.561	ug/L	94
55) Styrene	9.500	104	38715m	1.584	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.169	83	34686	2.225	ug/L #	98
59) Bromoform	9.661	173	18553	2.338	ug/L	96
60) Isopropylbenzene	9.860	105	59851	1.896	ug/L	97
61) 1,2,3-Trichloropropane	10.201	75	25481	2.520	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	45030	1.827	ug/L	97
63) 1,2,4-Trimethylbenzene	10.847	105	39594	1.634	ug/L	95
64) 1,3-Dichlorobenzene	11.114	146	34928	2.033	ug/L	96
65) 1,4-Dichlorobenzene	11.197	146	44152	2.385	ug/L	96
67) 1,2-Dichlorobenzene	11.564	146	42756	2.491	ug/L #	94
68) 1,2-Dibromo-3-chloropr...	12.361	75	7491	2.639	ug/L	99
69) 1,3,5-Trichlorobenzene	12.577	180	26634	2.176	ug/L	97
70) 1,2,4-trichlorobenzene	13.194	180	20978	1.967	ug/L	99
71) Naphthalene	13.435	128	54384m	1.811	ug/L	
72) 1,2,3-Trichlorobenzene	13.673	180	21442	1.940	ug/L	98

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

