

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111825\
 Data File : VV039401.D
 Acq On : 18 Nov 2025 11:35
 Operator : SY/MD
 Sample : Q3589-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2025-08

Quant Time: Nov 19 03:53:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 03:46:50 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	1022272	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1055512	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	510314	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	463105	46.483	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.960%		
7) Chloroethane-d5	1.545	69	367574	49.417	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.840%		
11) 1,1-Dichloroethene-d2	2.072	65	200147	47.729	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.460%		
21) 2-Butanone-d5	3.786	46	471132	89.561	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.560%		
24) Chloroform-d	4.252	84	796393	48.234	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.460%		
26) 1,2-Dichloroethane-d4	4.940	65	521904	50.794	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.580%		
32) Benzene-d6	4.960	84	1558637	49.506	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.020%		
36) 1,2-Dichloropropane-d6	5.982	67	501620	51.051	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.100%		
41) Toluene-d8	7.236	98	1353121	46.536	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.080%		
43) trans-1,3-Dichloroprop...	7.545	79	223904	45.165	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.320%		
47) 2-Hexanone-d5	8.014	63	340502	90.711	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.710%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	681333	47.438	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.880%		
66) 1,2-Dichlorobenzene-d4	11.548	152	529094	55.197	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	16921	2.359	ug/L	93
3) Chloromethane	1.230	50	20283	2.580	ug/L	96
5) Vinyl chloride	1.297	62	24635m	2.781	ug/L	
6) Bromomethane	1.500	94	15297	3.100	ug/L	100
8) Chloroethane	1.561	64	15526	2.663	ug/L	89
9) Trichlorofluoromethane	1.728	101	37721	2.632	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.085	101	27349	3.141	ug/L #	84
12) 1,1-Dichloroethene	2.082	96	25342m	3.380	ug/L	
13) Acetone	2.124	43	35210	4.944	ug/L	97
14) Carbon disulfide	2.252	76	53330	2.506	ug/L	100
15) Methyl Acetate	2.394	43	25552m	2.761	ug/L	
17) trans-1,2-Dichloroethene	2.712	96	18900	2.418	ug/L	87
18) Methyl tert-butyl Ether	2.712	73	50074	2.098	ug/L	97
19) 1,1-Dichloroethane	3.127	63	36802	2.375	ug/L	96
20) cis-1,2-Dichloroethene	3.828	96	20501	2.435	ug/L	93
22) 2-Butanone	3.921	43	36252m	5.117	ug/L	
23) Bromochloromethane	4.169	128	12462	2.507	ug/L	95
27) 1,2-Dichloroethane	5.056	62	35322	2.833	ug/L	98
29) Cyclohexane	4.587	56	24899	1.993	ug/L #	89

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

30) 1,1,1-Trichloroethane	4.522	97	35453	2.375	ug/L #	81
31) Carbon tetrachloride	4.744	117	30392	2.211	ug/L	89
33) Benzene	5.014	78	74622	2.264	ug/L	100
34) Trichloroethene	5.847	95	21383	2.402	ug/L	97
35) Methylcyclohexane	6.046	83	34538m	2.640	ug/L	
37) 1,2-Dichloropropane	6.098	63	20971	2.250	ug/L	99
38) Bromodichloromethane	6.439	83	29993	2.315	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	33829m	2.357	ug/L	
40) 4-Methyl-2-pentanone	7.159	43	57898m	4.941	ug/L	
42) Toluene	7.316	91	84483	2.419	ug/L	97
44) trans-1,3-Dichloropropene	7.583	75	28729	2.077	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	22742	2.346	ug/L	96
46) Tetrachloroethene	7.905	164	20697	2.531	ug/L	95
48) 2-Hexanone	8.079	43	52810m	5.395	ug/L	
49) Dibromochloromethane	8.172	129	27237	2.460	ug/L	100
50) 1,2-Dibromoethane	8.284	107	25408	2.433	ug/L #	99
51) Chlorobenzene	8.808	112	60752	2.427	ug/L	97
52) Ethylbenzene	8.943	91	80126	2.111	ug/L	98
53) m,p-Xylene	9.072	106	27417	1.887	ug/L	99
54) o-Xylene	9.474	106	24728	1.781	ug/L	95
55) Styrene	9.500	104	45489m	1.863	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.165	83	42400	2.722	ug/L #	91
59) Bromoform	9.657	173	20976	2.686	ug/L	98
60) Isopropylbenzene	9.860	105	67829	2.184	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	31190	3.135	ug/L	98
62) 1,3,5-Trimethylbenzene	10.467	105	50886	2.098	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	46381	1.945	ug/L	96
64) 1,3-Dichlorobenzene	11.111	146	40556	2.398	ug/L	94
65) 1,4-Dichlorobenzene	11.197	146	51154	2.808	ug/L	96
67) 1,2-Dichlorobenzene	11.567	146	50417	2.985	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.358	75	6933	2.482	ug/L	92
69) 1,3,5-Trichlorobenzene	12.574	180	28662	2.380	ug/L	92
70) 1,2,4-trichlorobenzene	13.191	180	22896	2.181	ug/L	93
71) Naphthalene	13.432	128	57217	1.936	ug/L	98
72) 1,2,3-Trichlorobenzene	13.670	180	24071	2.214	ug/L	96

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

