

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV060925\
 Data File : VV038772.D
 Acq On : 09 Jun 2025 17:50
 Operator : SY/MD
 Sample : Q2117-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-03

Quant Time: Jun 10 09:11:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 10 09:06:39 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	534054	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	554269	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	242128	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	209565	47.185	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.360%		
7) Chloroethane-d5	1.542	69	195343	48.050	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.100%		
11) 1,1-Dichloroethene-d2	2.069	65	104075	47.610	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.220%		
21) 2-Butanone-d5	3.783	46	357008	103.070	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.070%		
24) Chloroform-d	4.252	84	455308	48.120	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.240%		
26) 1,2-Dichloroethane-d4	4.940	65	292352	52.925	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.860%		
32) Benzene-d6	4.960	84	873980	49.976	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.960%		
36) 1,2-Dichloropropane-d6	5.985	67	303550	52.262	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.520%		
41) Toluene-d8	7.236	98	741377	48.009	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.020%		
43) trans-1,3-Dichloroprop...	7.548	79	121078	47.801	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.600%		
47) 2-Hexanone-d5	8.014	63	266959	110.784	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.780%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	426154	49.449	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.900%		
66) 1,2-Dichlorobenzene-d4	11.548	152	261780	55.708	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.117	85	9877	1.574	ug/L #	88
3) Chloromethane	1.227	50	10970	1.730	ug/L	89
5) Vinyl chloride	1.294	62	11303	1.724	ug/L #	54
6) Bromomethane	1.497	94	6182	1.899	ug/L	86
8) Chloroethane	1.561	64	7221	1.834	ug/L	85
9) Trichlorofluoromethane	1.725	101	12979	1.501	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	9993	1.952	ug/L	90
12) 1,1-Dichloroethene	2.076	96	8938	1.937	ug/L #	1
13) Acetone	2.127	43	11391	4.877	ug/L	99
14) Carbon disulfide	2.252	76	23254	1.649	ug/L	96
15) Methyl Acetate	2.397	43	10386m	1.674	ug/L	
17) trans-1,2-Dichloroethene	2.712	96	7587	1.635	ug/L	91
19) 1,1-Dichloroethane	3.127	63	13987	1.451	ug/L	97
20) cis-1,2-Dichloroethene	3.828	96	7186	1.442	ug/L	93
22) 2-Butanone	3.921	43	15499m	4.227	ug/L	
23) Bromochloromethane	4.175	128	4419m	1.661	ug/L	
29) Cyclohexane	4.590	56	9611	1.213	ug/L #	80
30) 1,1,1-Trichloroethane	4.519	97	11662	1.430	ug/L #	85
31) Carbon tetrachloride	4.744	117	10811m	1.528	ug/L	

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33) Benzene	5.018	78	29823	1.530	ug/L	100
34) Trichloroethene	5.850	95	7676	1.485	ug/L	91
35) Methylcyclohexane	6.047	83	11817	1.458	ug/L	98
37) 1,2-Dichloropropane	6.111	63	7210m	1.284	ug/L	
38) Bromodichloromethane	6.442	83	10089	1.384	ug/L	91
39) cis-1,3-Dichloropropene	6.969	75	9299	1.152	ug/L	100
42) Toluene	7.323	91	28547	1.418	ug/L	97
45) 1,1,2-Trichloroethane	7.776	97	7413	1.346	ug/L	92
46) Tetrachloroethene	7.908	164	5602	1.474	ug/L	97
49) Dibromochloromethane	8.175	129	8369	1.496	ug/L	97
50) 1,2-Dibromoethane	8.288	107	8093	1.430	ug/L #	96
51) Chlorobenzene	8.808	112	21531	1.585	ug/L	99
52) Ethylbenzene	8.950	91	27709	1.278	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.165	83	15881	1.748	ug/L #	91
59) Bromoform	9.667	173	5780	1.711	ug/L #	92
60) Isopropylbenzene	9.863	105	21207	1.230	ug/L	98
61) 1,2,3-Trichloropropane	10.204	75	10702	1.808	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	16867	1.257	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	15373	1.160	ug/L	96
64) 1,3-Dichlorobenzene	11.117	146	12350	1.499	ug/L	97
65) 1,4-Dichlorobenzene	11.201	146	13857	1.562	ug/L	98
67) 1,2-Dichlorobenzene	11.567	146	15076	1.811	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.361	75	2953	1.746	ug/L #	74
69) 1,3,5-Trichlorobenzene	13.197	180	6694	1.229	ug/L	95
70) 1,2,4-trichlorobenzene	13.197	180	6694	1.437	ug/L	95
71) Naphthalene	13.438	128	18103	1.094	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.673	180	5904	1.215	ug/L #	89

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

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