

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061125\
 Data File : VU063387.D
 Acq On : 11 Jun 2025 16:49
 Operator : MD/SY
 Sample : Q2117-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH/A
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jun 12 08:35:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 11 13:45:27 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----06/12/2025						
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	137777	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	144940	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	63559	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	50421	48.477	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.960%
7) Chloroethane-d5	1.901	69	49310	48.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.440%
11) 1,1-Dichloroethene-d2	2.554	63	70124	35.483	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.960%
21) 2-Butanone-d5	4.615	46	102442	113.504	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.500%
24) Chloroform-d	5.052	84	107690	48.708	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.420%
26) 1,2-Dichloroethane-d4	5.692	65	69709	51.483	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.960%
32) Benzene-d6	5.717	84	213777	48.766	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.540%
36) 1,2-Dichloropropane-d6	6.682	67	74105	49.841	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.680%
41) Toluene-d8	7.891	98	179182	46.583	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.160%
43) trans-1,3-Dichloroprop...	8.174	79	27528	46.009	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.020%
47) 2-Hexanone-d5	8.627	63	55240	100.069	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.070%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	111369	49.044	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.080%
66) 1,2-Dichlorobenzene-d4	12.187	152	64300	55.292	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2852	2.154	ug/L	95
3) Chloromethane	1.521	50	3812	2.549	ug/L	88
5) Vinyl chloride	1.595	62	4156	2.527	ug/L #	71
6) Bromomethane	1.846	94	2260	2.442	ug/L	96
8) Chloroethane	1.923	64	2596	2.523	ug/L	98
9) Trichlorofluoromethane	2.126	101	4781	2.469	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	3256	2.822	ug/L #	82
12) 1,1-Dichloroethene	2.563	96	2872	2.797	ug/L #	1
13) Acetone	2.624	43	3750	5.483	ug/L	97
14) Carbon disulfide	2.779	76	9124	2.691	ug/L	98
15) Methyl Acetate	2.955	43	3455	2.435	ug/L #	100
17) trans-1,2-Dichloroethene	3.348	96	2493	2.259	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	7099	2.144	ug/L #	93
19) 1,1-Dichloroethane	3.859	63	5158	2.232	ug/L	90
20) cis-1,2-Dichloroethene	4.660	96	2864	2.283	ug/L	89
22) 2-Butanone	4.727	43	6250m	6.178	ug/L	
23) Bromochloromethane	4.965	128	1461	2.179	ug/L #	81
25) Chloroform	5.078	83	5865	2.545	ug/L	91
27) 1,2-Dichloroethane	5.791	62	3819	2.112	ug/L	100

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29) Cyclohexane	5.377	56	3792	1.971	ug/L	91	06/12/2025
30) 1,1,1-Trichloroethane	5.309	97	3976	2.172	ug/L	94	Supervised By :Mahesh
31) Carbon tetrachloride	5.515	117	3345	2.174	ug/L	99	Dadoda
33) Benzene	5.772	78	11081	2.200	ug/L	100	
34) Trichloroethene	6.541	95	3034	2.343	ug/L	94	
35) Methylcyclohexane	6.753	83	3736	1.951	ug/L	97	
37) 1,2-Dichloropropane	6.785	63	3393	2.271	ug/L #	89	06/12/2025
38) Bromodichloromethane	7.097	83	3947	2.240	ug/L #	83	
39) cis-1,3-Dichloropropene	7.602	75	4003	1.976	ug/L	92	
40) 4-Methyl-2-pentanone	7.788	43	8104	4.373	ug/L	94	
42) Toluene	7.965	91	11601	2.204	ug/L	96	
44) trans-1,3-Dichloropropene	8.206	75	3893	2.054	ug/L	94	
45) 1,1,2-Trichloroethane	8.396	97	3076	2.249	ug/L	95	
46) Tetrachloroethene	8.550	164	2094	2.188	ug/L	92	
48) 2-Hexanone	8.682	43	13430	9.292	ug/L #	87	
49) Dibromochloromethane	8.801	129	2739	2.111	ug/L	95	
50) 1,2-Dibromoethane	8.920	107	3320	2.376	ug/L #	99	
51) Chlorobenzene	9.441	112	8008	2.347	ug/L	93	
52) Ethylbenzene	9.566	91	10912	1.980	ug/L	96	
53) m,p-Xylene	9.692	106	3697	1.813	ug/L	86	
54) o-Xylene	10.097	106	3322	1.709	ug/L	97	
55) Styrene	10.116	104	5742	1.720	ug/L	91	
57) 1,1,2,2-Tetrachloroethane	10.775	83	6120	2.504	ug/L #	95	
59) Bromoform	10.283	173	2006	2.379	ug/L #	89	
60) 1,2,3-Trichloropropane	10.817	75	4417	2.890	ug/L #	86	
61) Isopropylbenzene	10.479	105	9025	2.150	ug/L	99	
62) 1,3,5-Trimethylbenzene	11.084	105	5995	1.848	ug/L	92	
63) 1,2,4-Trimethylbenzene	11.466	105	5699	1.849	ug/L	99	
64) 1,3-Dichlorobenzene	11.746	146	5314	2.551	ug/L	94	
65) 1,4-Dichlorobenzene	11.830	146	5673	2.649	ug/L	97	
67) 1,2-Dichlorobenzene	12.206	146	5628	2.676	ug/L	93	
68) 1,2-Dibromo-3-chloropr...	12.994	75	1073	2.611	ug/L	90	
69) 1,3,5-Trichlorobenzene	13.222	180	3467	2.458	ug/L	97	
70) 1,2,4-trichlorobenzene	13.849	180	2689	2.455	ug/L #	88	
71) Naphthalene	14.097	128	7316	2.477	ug/L #	86	
72) 1,2,3-Trichlorobenzene	14.328	180	2351	2.168	ug/L #	84	

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

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