

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111825\
 Data File : VU063736.D
 Acq On : 18 Nov 2025 12:11
 Operator : MD/SY
 Sample : Q3589-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 19 04:54:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 04:47:02 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Amit
 Patel

11/19/2025
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	312228	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	301827	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	151292	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.586	65	121216	44.958	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.920%
7) Chloroethane-d5	1.894	69	97892	47.127	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.260%
11) 1,1-Dichloroethene-d2	2.544	63	173271	37.075	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.140%
21) 2-Butanone-d5	4.595	46	139671	90.867	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.870%
24) Chloroform-d	5.029	84	209172	46.239	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.480%
26) 1,2-Dichloroethane-d4	5.672	65	144093	48.440	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
32) Benzene-d6	5.695	84	431554	48.779	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.560%
36) 1,2-Dichloropropane-d6	6.660	67	125401	48.283	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.560%
41) Toluene-d8	7.872	98	393078	46.795	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.580%
43) trans-1,3-Dichloroprop...	8.155	79	45863	42.731	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.460%
47) 2-Hexanone-d5	8.611	63	83724	88.661	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.660%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	179531	47.268	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.540%
66) 1,2-Dichlorobenzene-d4	12.167	152	142819	50.006	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.020%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.374	85	4163	2.291	ug/L	97
3) Chloromethane	1.509	50	5221	2.539	ug/L	95
5) Vinyl chloride	1.589	62	5997	2.509	ug/L #	55
6) Bromomethane	1.840	94	4225	2.789	ug/L	100
8) Chloroethane	1.914	64	4219	2.644	ug/L	89
9) Trichlorofluoromethane	2.116	101	9681	2.568	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	6563	2.945	ug/L #	84
12) 1,1-Dichloroethene	2.554	96	6508	3.193	ug/L #	1
13) Acetone	2.608	43	9488	4.561	ug/L	96
14) Carbon disulfide	2.766	76	12744	2.400	ug/L	99
15) Methyl Acetate	2.943	43	5988	2.397	ug/L #	79
16) Methylene chloride	3.020	84	6457	2.718	ug/L	98
17) trans-1,2-Dichloroethene	3.329	96	5373	2.473	ug/L	84
18) Methyl tert-butyl Ether	3.338	73	18207	2.476	ug/L	99
19) 1,1-Dichloroethane	3.846	63	9765	2.332	ug/L	88
20) cis-1,2-Dichloroethene	4.640	96	6194	2.476	ug/L	98
22) 2-Butanone	4.701	43	12857m	5.563	ug/L	
23) Bromochloromethane	4.946	128	3360m	2.613	ug/L	
25) Chloroform	5.055	83	12881	2.842	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
27) 1,2-Dichloroethane	5.772	62	8944	2.417	ug/L	#	94
29) Cyclohexane	5.354	56	9096	2.395	ug/L		89
30) 1,1,1-Trichloroethane	5.283	97	8843	2.294	ug/L		94
31) Carbon tetrachloride	5.489	117	6373	2.103	ug/L		95
33) Benzene	5.746	78	23009m	2.499	ug/L		
34) Trichloroethene	6.518	95	6458	2.433	ug/L		90
35) Methylcyclohexane	6.734	83	10863	2.788	ug/L		89
37) 1,2-Dichloropropane	6.766	63	6265	2.619	ug/L	#	90
38) Bromodichloromethane	7.081	83	7049	2.152	ug/L	#	92
39) cis-1,3-Dichloropropene	7.589	75	7581	2.137	ug/L		91
40) 4-Methyl-2-pentanone	7.772	43	15997	4.620	ug/L		98
42) Toluene	7.946	91	25911	2.549	ug/L		98
44) trans-1,3-Dichloropropene	8.187	75	7398	2.389	ug/L		96
45) 1,1,2-Trichloroethane	8.373	97	6646	2.627	ug/L		90
46) Tetrachloroethene	8.528	164	4696	2.314	ug/L		92
48) 2-Hexanone	8.669	43	20683	7.610	ug/L	#	93
49) Dibromochloromethane	8.782	129	5378m	2.201	ug/L		
50) 1,2-Dibromoethane	8.897	107	6564	2.472	ug/L		93
51) Chlorobenzene	9.422	112	17277	2.519	ug/L		97
52) Ethylbenzene	9.547	91	29219	2.476	ug/L		95
53) m,p-Xylene	9.672	106	10339	2.299	ug/L		84
54) o-Xylene	10.074	106	10377	2.369	ug/L		95
55) Styrene	10.097	104	15661	2.207	ug/L		88
57) 1,1,2,2-Tetrachloroethane	10.756	83	11327	2.749	ug/L	#	92
59) Bromoform	10.264	173	3535	2.057	ug/L	#	95
60) 1,2,3-Trichloropropane	10.798	75	8412	2.547	ug/L		93
61) Isopropylbenzene	10.460	105	28187	2.470	ug/L		99
62) 1,3,5-Trimethylbenzene	11.065	105	21891	2.332	ug/L		100
63) 1,2,4-Trimethylbenzene	11.444	105	20841	2.326	ug/L		98
64) 1,3-Dichlorobenzene	11.727	146	13700	2.677	ug/L		91
65) 1,4-Dichlorobenzene	11.814	146	14671	2.799	ug/L		98
67) 1,2-Dichlorobenzene	12.187	146	13985	2.819	ug/L		96
68) 1,2-Dibromo-3-chloropr...	12.971	75	2019	2.476	ug/L	#	86
69) 1,3,5-Trichlorobenzene	13.196	180	9480	2.741	ug/L		97
70) 1,2,4-trichlorobenzene	13.820	180	8272	2.869	ug/L		97
71) Naphthalene	14.068	128	23240	3.028	ug/L		97
72) 1,2,3-Trichlorobenzene	14.306	180	7837	2.867	ug/L		96

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

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