

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063729.D
 Acq On : 17 Nov 2025 15:57
 Operator : MD/SY
 Sample : Q3589-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Nov 18 02:21:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:55:44 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	6.219	114	312837	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	302024	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	154763	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.586	65	121047	44.808	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.620%
7) Chloroethane-d5	1.895	69	94105	45.215	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.440%
11) 1,1-Dichloroethene-d2	2.541	63	165914	35.432	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.860%
21) 2-Butanone-d5	4.595	46	147153	95.548	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.550%
24) Chloroform-d	5.030	84	201939	44.553	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.100%
26) 1,2-Dichloroethane-d4	5.669	65	139130	46.681	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.360%
32) Benzene-d6	5.695	84	408555	46.149	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.300%
36) 1,2-Dichloropropane-d6	6.660	67	124327	47.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.680%
41) Toluene-d8	7.872	98	378456	45.025	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.040%
43) trans-1,3-Dichloroprop...	8.155	79	47349	44.087	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.180%
47) 2-Hexanone-d5	8.611	63	90024	95.271	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.270%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	176205	46.362	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.720%
66) 1,2-Dichlorobenzene-d4	12.168	152	141760	48.522	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.040%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.374	85	4090	2.246	ug/L	94
3) Chloromethane	1.509	50	4890	2.374	ug/L	94
5) Vinyl chloride	1.589	62	6061	2.530	ug/L #	75
6) Bromomethane	1.837	94	4063	2.677	ug/L	94
8) Chloroethane	1.914	64	3968	2.482	ug/L	99
9) Trichlorofluoromethane	2.116	101	8612	2.280	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.547	101	6152	2.755	ug/L #	77
12) 1,1-Dichloroethene	2.551	96	6161	3.017	ug/L #	1
13) Acetone	2.608	43	10066	4.829	ug/L	94
14) Carbon disulfide	2.766	76	13431	2.525	ug/L	99
15) Methyl Acetate	2.936	43	5649	2.257	ug/L #	88
17) trans-1,2-Dichloroethene	3.332	96	5681	2.609	ug/L	97
18) Methyl tert-butyl Ether	3.335	73	16347	2.219	ug/L	97
19) 1,1-Dichloroethane	3.846	63	9149m	2.181	ug/L	
20) cis-1,2-Dichloroethene	4.637	96	6415	2.560	ug/L	86
22) 2-Butanone	4.705	43	17179m	7.419	ug/L	
23) Bromochloromethane	4.943	128	2835m	2.200	ug/L	
25) Chloroform	5.055	83	11580	2.550	ug/L	93
27) 1,2-Dichloroethane	5.772	62	8610	2.323	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063729.D
 Acq On : 17 Nov 2025 15:57
 Operator : MD/SY
 Sample : Q3589-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Nov 18 02:21:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:55:44 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)	
29) Cyclohexane	5.354	56	8212	2.161	ug/L	#	88
30) 1,1,1-Trichloroethane	5.284	97	8389	2.175	ug/L		97
31) Carbon tetrachloride	5.496	117	5569	1.836	ug/L		95
33) Benzene	5.750	78	21095	2.290	ug/L		100
34) Trichloroethene	6.521	95	6363	2.396	ug/L		83
35) Methylcyclohexane	6.734	83	9231	2.368	ug/L		93
37) 1,2-Dichloropropane	6.763	63	5665	2.366	ug/L	#	93
38) Bromodichloromethane	7.078	83	7087	2.162	ug/L		93
39) cis-1,3-Dichloropropene	7.586	75	8381	2.361	ug/L		100
40) 4-Methyl-2-pentanone	7.772	43	16923	4.884	ug/L		90
42) Toluene	7.946	91	23239	2.285	ug/L		99
44) trans-1,3-Dichloropropene	8.190	75	7661	2.472	ug/L		96
45) 1,1,2-Trichloroethane	8.377	97	6008	2.373	ug/L		95
46) Tetrachloroethene	8.528	164	4999	2.462	ug/L		94
48) 2-Hexanone	8.663	43	22865	8.407	ug/L	#	91
49) Dibromochloromethane	8.782	129	4841	1.980	ug/L		100
50) 1,2-Dibromoethane	8.898	107	6499	2.446	ug/L	#	98
51) Chlorobenzene	9.422	112	16777	2.445	ug/L		97
52) Ethylbenzene	9.547	91	26612	2.254	ug/L		99
53) m,p-Xylene	9.672	106	9971	2.215	ug/L		100
54) o-Xylene	10.078	106	9504	2.168	ug/L		98
55) Styrene	10.097	104	15246	2.147	ug/L		99
57) 1,1,2,2-Tetrachloroethane	10.756	83	11116	2.696	ug/L	#	96
59) Bromoform	10.267	173	3416	1.944	ug/L		98
60) 1,2,3-Trichloropropane	10.798	75	8770	2.596	ug/L		96
61) Isopropylbenzene	10.460	105	25467	2.181	ug/L		98
62) 1,3,5-Trimethylbenzene	11.065	105	20972	2.184	ug/L		100
63) 1,2,4-Trimethylbenzene	11.444	105	20140	2.197	ug/L		98
64) 1,3-Dichlorobenzene	11.724	146	13194	2.521	ug/L		93
65) 1,4-Dichlorobenzene	11.814	146	15454	2.883	ug/L		99
67) 1,2-Dichlorobenzene	12.190	146	13187	2.599	ug/L		100
68) 1,2-Dibromo-3-chloropr...	12.971	75	1738	2.084	ug/L	#	70
69) 1,3,5-Trichlorobenzene	13.196	180	9522	2.692	ug/L		98
70) 1,2,4-trichlorobenzene	13.820	180	8868	3.006	ug/L		99
71) Naphthalene	14.068	128	30357	3.867	ug/L		98
72) 1,2,3-Trichlorobenzene	14.306	180	8424	3.013	ug/L		98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063729.D
 Acq On : 17 Nov 2025 15:57
 Operator : MD/SY
 Sample : Q3589-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Nov 18 02:21:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:55:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit
 Patel

11/19/2025

Supervised By :Mahesh

Dadoda

11/19/2025

