

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091225\
 Data File : VV039055.D
 Acq On : 12 Sep 2025 12:34
 Operator : SY/MD
 Sample : Q2899-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-06

Quant Time: Sep 13 00:46:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:49:00 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda

09/16/2025
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	683258	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	713018	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	293992	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.291	65	268967	42.853	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.700%
7) Chloroethane-d5	1.545	69	234957	47.325	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.640%
11) 1,1-Dichloroethene-d2	2.069	65	122037	45.079	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.160%
21) 2-Butanone-d5	3.786	46	330192	134.057	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	134.060%#
24) Chloroform-d	4.253	84	533963	51.585	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.160%
26) 1,2-Dichloroethane-d4	4.941	65	345131	56.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.240%
32) Benzene-d6	4.960	84	986006	47.701	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	5.986	67	332072	49.100	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.200%
41) Toluene-d8	7.236	98	824801	42.742	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.480%
43) trans-1,3-Dichloroprop...	7.548	79	147205	46.054	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.100%
47) 2-Hexanone-d5	8.014	63	259623	134.849	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	134.850%#
56) 1,1,2,2-Tetrachloroeth...	10.140	84	506284	52.568	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.140%
66) 1,2-Dichlorobenzene-d4	11.548	152	282015	51.075	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.160%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	11303	2.177	ug/L	97
3) Chloromethane	1.227	50	14487	2.488	ug/L	97
5) Vinyl chloride	1.294	62	16698	2.494	ug/L #	82
6) Bromomethane	1.500	94	10194	2.733	ug/L	93
8) Chloroethane	1.561	64	10336	2.428	ug/L	99
9) Trichlorofluoromethane	1.725	101	22493	2.383	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	17077	2.885	ug/L #	87
12) 1,1-Dichloroethene	2.082	96	15934	3.031	ug/L #	1
13) Acetone	2.124	43	17906	3.949	ug/L	98
14) Carbon disulfide	2.253	76	37756	2.195	ug/L	99
15) Methyl Acetate	2.397	43	14288	2.423	ug/L #	78
16) Methylene chloride	2.458	84	17078	2.952	ug/L	96
17) trans-1,2-Dichloroethene	2.712	96	12106	2.314	ug/L	85
18) Methyl tert-butyl Ether	2.712	73	36814	2.455	ug/L	96
19) 1,1-Dichloroethane	3.127	63	23781	2.444	ug/L	97
20) cis-1,2-Dichloroethene	3.828	96	13284	2.376	ug/L	98
22) 2-Butanone	3.921	43	15428m	4.030	ug/L	
23) Bromochloromethane	4.175	128	7537	2.464	ug/L	89
25) Chloroform	4.288	83	30523m	2.938	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	20706	2.737	ug/L	97
29) Cyclohexane	4.580	56	15216	1.718	ug/L #	57
30) 1,1,1-Trichloroethane	4.519	97	23389	2.433	ug/L	95
31) Carbon tetrachloride	4.741	117	17508	2.048	ug/L	96
33) Benzene	5.018	78	55998	2.519	ug/L	100
34) Trichloroethene	5.847	95	11659	1.935	ug/L	94
35) Methylcyclohexane	6.040	83	18255	1.893	ug/L	97
37) 1,2-Dichloropropane	6.101	63	13189	2.217	ug/L #	94
38) Bromodichloromethane	6.439	83	20083	2.398	ug/L	92
39) cis-1,3-Dichloropropene	6.963	75	22809	2.405	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	29597	3.921	ug/L	94
42) Toluene	7.320	91	51976	2.122	ug/L	97
44) trans-1,3-Dichloropropene	7.590	75	18459	2.019	ug/L	88
45) 1,1,2-Trichloroethane	7.777	97	15753	2.502	ug/L	95
46) Tetrachloroethene	7.902	164	10029	2.146	ug/L	95
48) 2-Hexanone	8.085	43	22282	4.232	ug/L #	88
49) Dibromochloromethane	8.172	129	16389	2.462	ug/L	85
50) 1,2-Dibromoethane	8.288	107	17659	2.685	ug/L	98
51) Chlorobenzene	8.809	112	36545	2.297	ug/L	95
52) Ethylbenzene	8.947	91	48747	1.892	ug/L	97
53) m,p-Xylene	9.075	106	15375	1.559	ug/L	94
54) o-Xylene	9.474	106	16433	1.799	ug/L	85
55) Styrene	9.500	104	24730	1.533	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.169	83	28688	2.825	ug/L #	98
59) Bromoform	9.664	173	11344	2.863	ug/L #	98
60) Isopropylbenzene	9.860	105	40387	1.996	ug/L	96
61) 1,2,3-Trichloropropane	10.204	75	19534	3.162	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	29807	1.883	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	28640	1.826	ug/L	97
64) 1,3-Dichlorobenzene	11.114	146	21600	2.242	ug/L	95
65) 1,4-Dichlorobenzene	11.198	146	25990	2.521	ug/L	98
67) 1,2-Dichlorobenzene	11.567	146	26424	2.743	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.362	75	6127	3.532	ug/L	93
69) 1,3,5-Trichlorobenzene	12.577	180	14111	2.269	ug/L	96
70) 1,2,4-trichlorobenzene	13.194	180	11064	2.046	ug/L	99
71) Naphthalene	13.435	128	33430	1.849	ug/L	97
72) 1,2,3-Trichlorobenzene	13.670	180	12226	2.178	ug/L	99

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

