

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW091125\
 Data File : VW039047.D
 Acq On : 11 Sep 2025 15:31
 Operator : SY/MD
 Sample : Q2899-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-05

Quant Time: Sep 12 02:14:08 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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	823981	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	815806	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	351121	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	354547	46.840	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.680%
7) Chloroethane-d5	1.545	69	293380	49.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.069	65	161513	49.471	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.940%
21) 2-Butanone-d5	3.789	46	340417	114.604	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.600%
24) Chloroform-d	4.252	84	614785	49.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.500%
26) 1,2-Dichloroethane-d4	4.940	65	384096	52.249	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.500%
32) Benzene-d6	4.960	84	1204895	50.946	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.900%
36) 1,2-Dichloropropane-d6	5.985	67	387244	50.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.080%
41) Toluene-d8	7.236	98	1046331	47.390	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.780%
43) trans-1,3-Dichloroprop...	7.548	79	178513	48.812	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.620%
47) 2-Hexanone-d5	8.014	63	238966	108.481	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.480%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	552294	50.120	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.240%
66) 1,2-Dichlorobenzene-d4	11.548	152	365263	55.389	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.780%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	11672	1.864	ug/L	98
3) Chloromethane	1.227	50	13657	1.945	ug/L	94
5) Vinyl chloride	1.298	62	16521m	2.046	ug/L	
6) Bromomethane	1.497	94	9437	2.098	ug/L	100
8) Chloroethane	1.561	64	9412	1.833	ug/L	95
9) Trichlorofluoromethane	1.725	101	21155	1.858	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	16330	2.287	ug/L #	85
12) 1,1-Dichloroethene	2.082	96	15632	2.466	ug/L #	1
13) Acetone	2.124	43	19507	3.567	ug/L	95
14) Carbon disulfide	2.252	76	37530	1.809	ug/L	95
15) Methyl Acetate	2.397	43	11491	1.616	ug/L #	84
16) Methylene chloride	2.461	84	14886	2.133	ug/L	94
17) trans-1,2-Dichloroethene	2.715	96	10401	1.649	ug/L	92
18) Methyl tert-butyl Ether	2.715	73	30914	1.710	ug/L #	81
19) 1,1-Dichloroethane	3.124	63	21655	1.845	ug/L	98
20) cis-1,2-Dichloroethene	3.828	96	13481m	2.000	ug/L	
22) 2-Butanone	3.931	43	16152m	3.499	ug/L	
23) Bromochloromethane	4.175	128	7194	1.950	ug/L	92
25) Chloroform	4.281	83	30327	2.421	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
27) 1,2-Dichloroethane	5.069	62	17275m	1.894	ug/L		09/15/2025
29) Cyclohexane	4.587	56	14667	1.447	ug/L #	94	Supervised By :Semsettin yesilyurt
30) 1,1,1-Trichloroethane	4.526	97	20013	1.820	ug/L #	89	
31) Carbon tetrachloride	4.744	117	17012	1.739	ug/L	99	
33) Benzene	5.018	78	47991	1.887	ug/L	100	
34) Trichloroethene	5.844	95	13227	1.919	ug/L	89	
35) Methylcyclohexane	6.050	83	21193	1.921	ug/L	89	09/15/2025
37) 1,2-Dichloropropane	6.104	63	13229	1.944	ug/L #	92	
38) Bromodichloromethane	6.442	83	17323	1.808	ug/L #	96	
39) cis-1,3-Dichloropropene	6.966	75	20709m	1.909	ug/L		
40) 4-Methyl-2-pentanone	7.162	43	24289	2.812	ug/L	99	
42) Toluene	7.320	91	47581	1.698	ug/L	91	
44) trans-1,3-Dichloropropene	7.590	75	19815m	1.894	ug/L		
45) 1,1,2-Trichloroethane	7.773	97	11888	1.650	ug/L	98	
46) Tetrachloroethene	7.908	164	9537	1.784	ug/L	97	
48) 2-Hexanone	8.082	43	24254	4.026	ug/L #	83	
49) Dibromochloromethane	8.172	129	14066	1.847	ug/L	99	
50) 1,2-Dibromoethane	8.288	107	14346	1.907	ug/L	96	
51) Chlorobenzene	8.812	112	34242	1.881	ug/L	97	
52) Ethylbenzene	8.947	91	43501	1.475	ug/L	100	
53) m,p-Xylene	9.075	106	15452	1.370	ug/L	93	
54) o-Xylene	9.474	106	13946	1.335	ug/L	93	
55) Styrene	9.503	104	21050	1.141	ug/L	95	
57) 1,1,2,2-Tetrachloroethane	10.169	83	23619	2.033	ug/L #	96	
59) Bromoform	9.667	173	10747	2.271	ug/L #	92	
60) Isopropylbenzene	9.860	105	38453	1.591	ug/L	99	
61) 1,2,3-Trichloropropane	10.201	75	16401	2.223	ug/L	95	
62) 1,3,5-Trimethylbenzene	10.471	105	29581	1.565	ug/L	95	
63) 1,2,4-Trimethylbenzene	10.847	105	27950	1.492	ug/L	96	
64) 1,3-Dichlorobenzene	11.117	146	20809	1.809	ug/L	98	
65) 1,4-Dichlorobenzene	11.201	146	23872	1.938	ug/L	94	
67) 1,2-Dichlorobenzene	11.567	146	26397	2.294	ug/L	96	
68) 1,2-Dibromo-3-chloropr...	12.361	75	4756	2.296	ug/L	90	
69) 1,3,5-Trichlorobenzene	12.577	180	15192	2.046	ug/L	94	
70) 1,2,4-trichlorobenzene	13.197	180	10690	1.656	ug/L	95	
71) Naphthalene	13.435	128	30116	1.395	ug/L	99	
72) 1,2,3-Trichlorobenzene	13.670	180	10823	1.614	ug/L	100	

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

