Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
Data File : VU063628.D
Acq On : 23 Sep 2025 11:44
Operator : MD/SY
Sample : Q2899-06
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 24 01:20:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 24 01:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	222852	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	221235	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	102033	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	73867	49.418	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 98.840%			
7) Chloroethane-d5	1.895	69	67633	53.184	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.360%			
11) 1,1-Dichloroethene-d2	2.550	63	100032	37.451	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 74.900%			
21) 2-Butanone-d5	4.615	46	114185	110.716	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 110.720%			
24) Chloroform-d	5.046	84	140091	50.091	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.180%			
26) 1,2-Dichloroethane-d4	5.689	65	99487	54.600	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.200%			
32) Benzene-d6	5.714	84	278814	52.617	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.240%			
36) 1,2-Dichloropropane-d6	6.676	67	88225	50.965	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.940%			
41) Toluene-d8	7.888	98	248514	49.905	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.800%			
43) trans-1,3-Dichloroprop...	8.171	79	27603	44.024	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.040%			
47) 2-Hexanone-d5	8.624	63	67814	106.911	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 106.910%			
56) 1,1,2,2-Tetrachloroeth...	10.743	84	136529	51.220	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.440%			
66) 1,2-Dichlorobenzene-d4	12.184	152	92251	53.802	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	3096	2.581	ug/L	99
3) Chloromethane	1.515	50	4424	2.861	ug/L	96
5) Vinyl chloride	1.596	62	5121	2.783	ug/L #	79
6) Bromomethane	1.837	94	3508	3.009	ug/L	95
8) Chloroethane	1.917	64	3443	2.762	ug/L	96
9) Trichlorofluoromethane	2.123	101	7127	2.658	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	4264	2.891	ug/L	88
12) 1,1-Dichloroethene	2.563	96	4155	3.167	ug/L #	1
13) Acetone	2.624	43	6555	5.326	ug/L	99
14) Carbon disulfide	2.779	76	8021	2.356	ug/L	99
15) Methyl Acetate	2.952	43	4354m	2.385	ug/L	
16) Methylene chloride	3.033	84	6803	4.101	ug/L	94
17) trans-1,2-Dichloroethene	3.341	96	3741	2.648	ug/L	94
18) Methyl tert-butyl Ether	3.354	73	11192	2.449	ug/L #	88
19) 1,1-Dichloroethane	3.856	63	7470m	2.597	ug/L	
20) cis-1,2-Dichloroethene	4.657	96	4364m	2.638	ug/L	
22) 2-Butanone	4.743	43	9378m	6.593	ug/L	
23) Bromochloromethane	4.975	128	1941	2.239	ug/L #	85
25) Chloroform	5.074	83	8948	2.930	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	5.785	62	6463	2.561	ug/L		97
29) Cyclohexane	5.374	56	6295	2.421	ug/L		91
30) 1,1,1-Trichloroethane	5.303	97	5788	2.380	ug/L		95
31) Carbon tetrachloride	5.505	117	3575	1.855	ug/L		99
33) Benzene	5.766	78	15740	2.450	ug/L		100
34) Trichloroethene	6.534	95	4254	2.364	ug/L		93
35) Methylcyclohexane	6.750	83	6085	2.369	ug/L		99
37) 1,2-Dichloropropane	6.782	63	4869m	2.736	ug/L		
38) Bromodichloromethane	7.097	83	4429	2.099	ug/L		99
39) cis-1,3-Dichloropropene	7.598	75	5317	2.299	ug/L		89
40) 4-Methyl-2-pentanone	7.785	43	11668	4.551	ug/L		99
42) Toluene	7.962	91	16587	2.355	ug/L		96
44) trans-1,3-Dichloropropene	8.206	75	4729m	2.408	ug/L		
45) 1,1,2-Trichloroethane	8.393	97	4262	2.468	ug/L		91
46) Tetrachloroethene	8.544	164	3201	2.443	ug/L		90
48) 2-Hexanone	8.682	43	16219	8.363	ug/L	#	84
49) Dibromochloromethane	8.801	129	2847	1.842	ug/L		97
50) 1,2-Dibromoethane	8.914	107	4385	2.452	ug/L	#	86
51) Chlorobenzene	9.438	112	11507	2.469	ug/L		99
52) Ethylbenzene	9.563	91	18369	2.359	ug/L		100
53) m,p-Xylene	9.695	106	6573	2.262	ug/L		91
54) o-Xylene	10.094	106	6254	2.160	ug/L		100
55) Styrene	10.113	104	9459	1.999	ug/L		88
57) 1,1,2,2-Tetrachloroethane	10.772	83	7629	2.614	ug/L	#	98
59) Bromoform	10.280	173	1811	1.823	ug/L	#	88
60) 1,2,3-Trichloropropane	10.814	75	5944	2.763	ug/L		98
61) Isopropylbenzene	10.476	105	16086	2.311	ug/L		97
62) 1,3,5-Trimethylbenzene	11.081	105	13185	2.304	ug/L		99
63) 1,2,4-Trimethylbenzene	11.460	105	13103	2.361	ug/L		97
64) 1,3-Dichlorobenzene	11.740	146	7918	2.497	ug/L		94
65) 1,4-Dichlorobenzene	11.830	146	8488	2.645	ug/L		97
67) 1,2-Dichlorobenzene	12.206	146	8554	2.743	ug/L	#	94
68) 1,2-Dibromo-3-chloropr...	12.991	75	1075	2.228	ug/L	#	79
69) 1,3,5-Trichlorobenzene	13.216	180	5361	2.418	ug/L		96
70) 1,2,4-trichlorobenzene	13.846	180	4319	2.359	ug/L		98
71) Naphthalene	14.097	128	12535m	2.520	ug/L		
72) 1,2,3-Trichlorobenzene	14.328	180	4332	2.469	ug/L		94

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

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