Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062025\
Data File : VD080464.D
Acq On : 20 Jun 2025 12:27
Operator : RP/MD
Sample : Q2117-03
Misc : 5.00G/10ml/MSVOA_D/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

Quant Time: Jun 23 08:53:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Jun 23 08:51:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	8.782	114	197186	25.00	ug/L		0.00
28) Chlorobenzene-d5	11.582	117	190989	25.00	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	86978	25.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	2.276	65	66532	19.90	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.60%				
7) Chloroethane-d5	2.812	69	63213	22.16	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.64%				
11) 1,1-Dichloroethene-d2	3.917	65	24504	21.72	ug/L		0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 86.88%				
21) 2-Butanone-d5	6.988	46	24852	44.84	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.68%				
24) Chloroform-d	7.564	84	125007	23.02	ug/L		0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 92.08%				
26) 1,2-Dichloroethane-d4	8.229	65	65450	23.57	ug/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.28%				
32) Benzene-d6	8.200	84	240231	22.87	ug/L		0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 91.48%				
36) 1,2-Dichloropropane-d6	9.211	67	79930	23.19	ug/L		0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.76%				
41) Toluene-d8	10.270	98	225007	22.92	ug/L		0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 91.68%				
43) trans-1,3-Dichloroprop...	10.523	79	32506	22.64	ug/L		0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.56%				
47) 2-Hexanone-d5	10.876	63	20979	40.09	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 80.18%				
56) 1,1,2,2-Tetrachloroeth...	12.646	84	66462	21.33	ug/L		0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 85.32%				
66) 1,2-Dichlorobenzene-d4	13.811	152	78816	24.99	ug/L		0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.96%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.935	85	3646	1.17	ug/L		96
3) Chloromethane	2.147	50	3715	1.27	ug/L		90
5) Vinyl chloride	2.288	62	4450	1.25	ug/L	#	67
6) Bromomethane	2.694	94	3046	1.37	ug/L		99
8) Chloroethane	2.841	64	4342	1.77	ug/L	#	81
9) Trichlorofluoromethane	3.176	101	6171	1.26	ug/L	#	63
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	3948m	1.30	ug/L		
12) 1,1-Dichloroethene	3.941	96	3472	1.40	ug/L	#	1
13) Acetone	4.035	43	1472m	3.12	ug/L		
14) Carbon disulfide	4.270	76	9947	1.19	ug/L		99
15) Methyl Acetate	4.559	43	1161	1.02	ug/L	#	50
16) Methylene chloride	4.806	84	6018	1.97	ug/L		83
17) trans-1,2-Dichloroethene	5.311	96	2923m	1.13	ug/L		
18) Methyl tert-butyl Ether	5.323	73	5667m	1.09	ug/L		
19) 1,1-Dichloroethane	6.111	63	5473	1.13	ug/L		92
20) cis-1,2-Dichloroethene	7.082	96	3476	1.23	ug/L		83
22) 2-Butanone	7.100	43	1602m	2.34	ug/L		
23) Bromochloromethane	7.435	128	1852m	1.22	ug/L		
25) Chloroform	7.594	83	13261	2.37	ug/L		94

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Jun 23 08:51:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.323	62	3864	1.23	ug/L	#	83
29) Cyclohexane	7.876	56	3785m	0.95	ug/L		
30) 1,1,1-Trichloroethane	7.788	97	5383	1.20	ug/L	#	88
31) Carbon tetrachloride	7.994	117	4717	1.09	ug/L		97
33) Benzene	8.247	78	12858	1.23	ug/L		100
34) Trichloroethene	9.023	95	3817	1.26	ug/L	#	83
35) Methylcyclohexane	9.282	83	4456	1.00	ug/L		94
38) Bromodichloromethane	9.582	83	4455	1.16	ug/L		80
39) cis-1,3-Dichloropropene	10.011	75	5051	1.16	ug/L		82
40) 4-Methyl-2-pentanone	10.158	43	3193	2.13	ug/L	#	89
42) Toluene	10.335	91	14076	1.22	ug/L		89
44) trans-1,3-Dichloropropene	10.547	75	4203	1.14	ug/L		96
45) 1,1,2-Trichloroethane	10.735	97	2917	1.23	ug/L		95
46) Tetrachloroethene	10.805	164	3267	1.21	ug/L		84
48) 2-Hexanone	10.923	43	2928	2.68	ug/L	#	94
49) Dibromochloromethane	11.076	129	3514	1.21	ug/L		91
50) 1,2-Dibromoethane	11.170	107	2675m	1.17	ug/L		
51) Chlorobenzene	11.605	112	9209	1.15	ug/L	#	87
52) Ethylbenzene	11.676	91	12804	1.02	ug/L		100
53) m,p-Xylene	11.794	106	5022	1.02	ug/L		94
54) o-Xylene	12.117	106	4499	0.97	ug/L		82
55) Styrene	12.135	104	7982	0.97	ug/L		95
57) 1,1,2,2-Tetrachloroethane	12.670	83	3358	1.16	ug/L	#	88
59) Bromoform	12.299	173	2338	1.37	ug/L	#	65
60) Isopropylbenzene	12.417	105	11754	1.14	ug/L		96
61) 1,2,3-Trichloropropane	12.729	75	2207m	1.35	ug/L		
62) 1,3,5-Trimethylbenzene	12.905	105	9189	1.16	ug/L		96
63) 1,2,4-Trimethylbenzene	13.205	105	9412	1.20	ug/L		94
64) 1,3-Dichlorobenzene	13.458	146	7322	1.36	ug/L		95
65) 1,4-Dichlorobenzene	13.540	146	7949	1.42	ug/L		95
67) 1,2-Dichlorobenzene	13.829	146	6398	1.31	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.452	75	340m	0.89	ug/L		
69) 1,3,5-Trichlorobenzene	15.523	180	3821	1.03	ug/L		97
70) 1,2,4-trichlorobenzene	15.099	180	4141	1.36	ug/L	#	87
71) Naphthalene	15.329	128	6682	1.21	ug/L	#	96
72) 1,2,3-Trichlorobenzene	15.523	180	3821	1.34	ug/L		97

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

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