Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061825\
Data File : VD080454.D
Acq On : 18 Jun 2025 14:05
Operator : RP/MD
Sample : Q2117-03
Misc : 5.00G/10ml/MSVOA_D/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 19 09:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jun 19 09:10:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	8.776	114	179737	25.00	ug/L		0.00
28) Chlorobenzene-d5	11.582	117	177087	25.00	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	85085	25.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	2.276	65	60230	19.77	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.08%				
7) Chloroethane-d5	2.806	69	57290	22.03	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.12%				
11) 1,1-Dichloroethene-d2	3.923	65	21401	20.81	ug/L		0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 83.24%				
21) 2-Butanone-d5	6.994	46	20978	41.52	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 83.04%				
24) Chloroform-d	7.564	84	101082	20.42	ug/L		0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 81.68%				
26) 1,2-Dichloroethane-d4	8.229	65	57638	22.78	ug/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.12%				
32) Benzene-d6	8.200	84	209261	21.49	ug/L		0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 85.96%				
36) 1,2-Dichloropropane-d6	9.205	67	70400	22.03	ug/L		0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 88.12%				
41) Toluene-d8	10.270	98	197316	21.68	ug/L		0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 86.72%				
43) trans-1,3-Dichloroprop...	10.523	79	30137	22.64	ug/L		0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.56%				
47) 2-Hexanone-d5	10.876	63	20363	41.97	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 83.94%				
56) 1,1,2,2-Tetrachloroeth...	12.646	84	63358	21.93	ug/L		0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 87.72%				
66) 1,2-Dichlorobenzene-d4	13.811	152	74059	24.00	ug/L		0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.935	85	3087	1.09	ug/L		100
3) Chloromethane	2.147	50	3687	1.38	ug/L		87
5) Vinyl chloride	2.288	62	4220	1.30	ug/L	#	48
6) Bromomethane	2.694	94	2598	1.28	ug/L		89
8) Chloroethane	2.835	64	3248m	1.45	ug/L		
9) Trichlorofluoromethane	3.182	101	4968	1.11	ug/L		100
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	3189m	1.15	ug/L		
12) 1,1-Dichloroethene	3.941	96	3385m	1.50	ug/L		
13) Acetone	4.017	43	803	1.86	ug/L	#	39
14) Carbon disulfide	4.264	76	8338	1.09	ug/L	#	93
15) Methyl Acetate	4.564	43	1110m	1.07	ug/L		
16) Methylene chloride	4.806	84	13959	5.01	ug/L		81
17) trans-1,2-Dichloroethene	5.323	96	2801m	1.19	ug/L		
18) Methyl tert-butyl Ether	5.300	73	4724m	0.99	ug/L		
19) 1,1-Dichloroethane	6.106	63	5419	1.22	ug/L		97
20) cis-1,2-Dichloroethene	7.076	96	2735	1.06	ug/L		84
22) 2-Butanone	7.076	43	1737m	2.78	ug/L		
23) Bromochloromethane	7.429	128	1801	1.30	ug/L	#	62
25) Chloroform	7.594	83	19782	3.88	ug/L		95

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Quant Title : SFAM01.0
QLast Update : Thu Jun 19 09:10:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.323	62	3858	1.35	ug/L	#	69
29) Cyclohexane	7.882	56	3118	0.85	ug/L	#	69
30) 1,1,1-Trichloroethane	7.800	97	4860m	1.16	ug/L		
31) Carbon tetrachloride	7.994	117	4191m	1.05	ug/L		
33) Benzene	8.247	78	11278	1.16	ug/L		100
34) Trichloroethene	9.029	95	3623	1.29	ug/L	#	84
35) Methylcyclohexane	9.270	83	3463	0.84	ug/L		96
38) Bromodichloromethane	9.588	83	4072	1.14	ug/L	#	89
39) cis-1,3-Dichloropropene	10.011	75	4785	1.18	ug/L		90
40) 4-Methyl-2-pentanone	10.158	43	3324	2.39	ug/L		99
42) Toluene	10.329	91	12962	1.21	ug/L		80
44) trans-1,3-Dichloropropene	10.552	75	5418	1.58	ug/L		99
45) 1,1,2-Trichloroethane	10.723	97	2787	1.27	ug/L		90
46) Tetrachloroethene	10.811	164	2795	1.12	ug/L		82
48) 2-Hexanone	10.917	43	2251	2.22	ug/L	#	89
49) Dibromochloromethane	11.076	129	3413	1.27	ug/L		89
50) 1,2-Dibromoethane	11.170	107	2644	1.25	ug/L	#	67
51) Chlorobenzene	11.605	112	8589	1.16	ug/L		92
52) Ethylbenzene	11.682	91	11732	1.01	ug/L		99
53) m,p-Xylene	11.793	106	4595	1.01	ug/L		85
54) o-Xylene	12.117	106	3858	0.90	ug/L		100
55) Styrene	12.135	104	7662	1.01	ug/L		82
57) 1,1,2,2-Tetrachloroethane	12.676	83	3949	1.47	ug/L	#	85
59) Bromoform	12.299	173	2244	1.34	ug/L	#	81
60) Isopropylbenzene	12.417	105	10918	1.08	ug/L		99
61) 1,2,3-Trichloropropane	12.723	75	2273	1.42	ug/L		88
62) 1,3,5-Trimethylbenzene	12.899	105	8719	1.12	ug/L		99
63) 1,2,4-Trimethylbenzene	13.211	105	8489	1.11	ug/L		95
64) 1,3-Dichlorobenzene	13.458	146	6729	1.28	ug/L		94
65) 1,4-Dichlorobenzene	13.535	146	6940	1.26	ug/L	#	77
67) 1,2-Dichlorobenzene	13.835	146	6790	1.43	ug/L	#	85
68) 1,2-Dibromo-3-chloropr...	14.435	75	582m	1.56	ug/L		
69) 1,3,5-Trichlorobenzene	14.593	180	4550	1.25	ug/L		91
70) 1,2,4-trichlorobenzene	15.093	180	4099	1.37	ug/L		99
71) Naphthalene	15.323	128	7486	1.38	ug/L	#	92
72) 1,2,3-Trichlorobenzene	15.517	180	3679	1.32	ug/L		99

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

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