Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052225\
Data File : VW031708.D
Acq On : 22 May 2025 10:37
Operator : SY/MD
Sample : Q1546-03
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

Quant Time: May 22 12:25:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050825SMA.M
Quant Title : SFAM01.0
QLast Update : Thu May 22 11:01:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	436491	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	302421	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	115466	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	231098	21.81	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 87.24%			
7) Chloroethane-d5	2.893	69	148220	23.72	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 94.88%			
11) 1,1-Dichloroethene-d2	4.021	65	98981	21.99	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 87.96%			
21) 2-Butanone-d5	7.093	46	103746	48.29	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.58%			
24) Chloroform-d	7.648	84	241324	23.54	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.16%			
26) 1,2-Dichloroethane-d4	8.307	65	92984m	24.48	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.92%			
32) Benzene-d6	8.270	84	554481	24.13	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.52%			
36) 1,2-Dichloropropane-d6	9.270	67	126773	24.00	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.00%			
41) Toluene-d8	10.325	98	489733	23.54	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.16%			
43) trans-1,3-Dichloroprop...	10.575	79	37958	21.73	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 86.92%			
47) 2-Hexanone-d5	10.922	63	50056	44.87	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.74%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	83721	23.36	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 93.44%			
66) 1,2-Dichlorobenzene-d4	13.848	152	95474	24.39	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 97.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	6676	0.77	ug/L #	83
3) Chloromethane	2.216	50	7965	1.16	ug/L	90
5) Vinyl chloride	2.369	62	7895	0.76	ug/L #	32
6) Bromomethane	2.789	94	4088	0.97	ug/L	99
8) Chloroethane	2.942	64	4409m	0.89	ug/L	
9) Trichlorofluoromethane	3.259	101	6681	0.82	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	10051	0.93	ug/L #	57
12) 1,1-Dichloroethene	4.039	96	10099	1.18	ug/L #	1
13) Acetone	4.167	43	2665	1.72	ug/L	87
14) Carbon disulfide	4.399	76	23513m	0.90	ug/L	
15) Methyl Acetate	4.704	43	1899m	0.68	ug/L	
16) Methylene chloride	4.935	84	5293m	1.19	ug/L	
17) trans-1,2-Dichloroethene	5.423	96	6533	0.90	ug/L	93
18) Methyl tert-butyl Ether	5.417	73	2512	0.49	ug/L #	68
19) 1,1-Dichloroethane	6.209	63	11413	1.01	ug/L #	89
20) cis-1,2-Dichloroethene	7.179	96	5393m	0.96	ug/L	
23) Bromochloromethane	7.520	128	940	0.52	ug/L #	84
25) Chloroform	7.679	83	10015	1.03	ug/L	99
27) 1,2-Dichloroethane	8.404	62	5027	1.12	ug/L	97

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Instrument :
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ClientSampleId :
MDL-SOIL-QT1-2025-01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050825SMA.M
Quant Title : SFAM01.0
QLast Update : Thu May 22 11:01:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) Cyclohexane	7.953	56	15789	0.81	ug/L		97
30) 1,1,1-Trichloroethane	7.874	97	11785	0.93	ug/L		99
31) Carbon tetrachloride	8.069	117	11974	0.94	ug/L		100
33) Benzene	8.325	78	22405	0.91	ug/L		100
34) Trichloroethene	9.093	95	7914	0.97	ug/L		89
35) Methylcyclohexane	9.337	83	16805	0.78	ug/L		99
37) 1,2-Dichloropropane	9.367	63	4602	0.96	ug/L		98
38) Bromodichloromethane	9.648	83	5159	0.98	ug/L		88
39) cis-1,3-Dichloropropene	10.075	75	5190m	0.87	ug/L		
40) 4-Methyl-2-pentanone	10.209	43	5303	1.80	ug/L	#	84
42) Toluene	10.386	91	24675	0.94	ug/L		98
44) trans-1,3-Dichloropropene	10.611	75	3926	0.88	ug/L		98
45) 1,1,2-Trichloroethane	10.788	97	2928	1.07	ug/L		93
46) Tetrachloroethene	10.861	164	6499	0.96	ug/L		93
48) 2-Hexanone	10.971	43	4639	1.99	ug/L	#	90
49) Dibromochloromethane	11.123	129	2399	0.87	ug/L		95
50) 1,2-Dibromoethane	11.239	107	2626	1.02	ug/L	#	98
51) Chlorobenzene	11.660	112	12779	0.98	ug/L		85
52) Ethylbenzene	11.727	91	26942	0.85	ug/L		95
53) m,p-Xylene	11.830	106	9339	0.82	ug/L		99
54) o-Xylene	12.160	106	7837	0.88	ug/L		97
55) Styrene	12.178	104	10198m	0.79	ug/L		
57) 1,1,2,2-Tetrachloroethane	12.708	83	3843	1.08	ug/L	#	81
59) Bromoform	12.349	173	1589	1.16	ug/L	#	84
60) Isopropylbenzene	12.458	105	27586	0.87	ug/L		98
61) 1,2,3-Trichloropropane	12.763	75	2870	1.13	ug/L		94
62) 1,3,5-Trimethylbenzene	12.934	105	18411	0.85	ug/L		96
63) 1,2,4-Trimethylbenzene	13.245	105	15230	0.82	ug/L		100
64) 1,3-Dichlorobenzene	13.501	146	7991	0.95	ug/L		86
65) 1,4-Dichlorobenzene	13.574	146	7651	0.98	ug/L	#	81
67) 1,2-Dichlorobenzene	13.861	146	6906	1.08	ug/L	#	82
68) 1,2-Dibromo-3-chloropr...	14.488	75	1268	1.54	ug/L	#	45
69) 1,3,5-Trichlorobenzene	14.629	180	5858	1.01	ug/L		90
70) 1,2,4-trichlorobenzene	15.129	180	4042	1.03	ug/L		97
71) Naphthalene	15.360	128	8135	1.07	ug/L		96
72) 1,2,3-Trichlorobenzene	15.549	180	3512	1.10	ug/L	#	83

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

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