Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031925\
Data File : VD080287.D
Acq On : 19 Mar 2025 12:00
Operator : RP/MD
Sample : Q1546-04
Misc : 5.00g/10ml/MSVOA_D/SOIL/A
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

Quant Time: Mar 24 14:54:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 14:42:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	8.775	114	168902	25.00	ug/L		0.00
28) Chlorobenzene-d5	11.581	117	146706	25.00	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	70796	25.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	2.269	65	112396	20.21	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 80.84%				
7) Chloroethane-d5	2.793	69	110585	22.31	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.24%				
11) 1,1-Dichloroethene-d2	3.916	65	22920	19.60	ug/L		0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 78.40%				
21) 2-Butanone-d5	6.987	46	28025	48.01	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.02%				
24) Chloroform-d	7.563	84	126772	24.34	ug/L		0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 97.36%				
26) 1,2-Dichloroethane-d4	8.228	65	75186	26.42	ug/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.68%				
32) Benzene-d6	8.204	84	246518	28.76	ug/L		0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 115.04%				
36) 1,2-Dichloropropane-d6	9.210	67	82648	29.89	ug/L		0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 119.56%				
41) Toluene-d8	10.269	98	195519	25.27	ug/L		0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 101.08%				
43) trans-1,3-Dichloroprop...	10.522	79	29049	25.52	ug/L		0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 102.08%				
47) 2-Hexanone-d5	10.875	63	18251	45.61	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 91.22%				
56) 1,1,2,2-Tetrachloroeth...	12.645	84	64958	26.43	ug/L		0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 105.72%				
66) 1,2-Dichlorobenzene-d4	13.816	152	70736	28.52	ug/L		0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 114.08%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.934	85	4581	1.46	ug/L		100
3) Chloromethane	2.152	50	6517	1.28	ug/L		94
5) Vinyl chloride	2.275	62	8766	1.33	ug/L	#	82
6) Bromomethane	2.693	94	4941	1.44	ug/L		84
8) Chloroethane	2.834	64	6217	1.39	ug/L		97
9) Trichlorofluoromethane	3.164	101	7159	1.45	ug/L		93
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	3604m	1.24	ug/L		
12) 1,1-Dichloroethene	3.934	96	3644m	1.47	ug/L		
13) Acetone	4.034	43	1679	2.67	ug/L		93
14) Carbon disulfide	4.269	76	11206	1.22	ug/L	#	78
15) Methyl Acetate	4.575	43	1464	1.10	ug/L	#	68
17) trans-1,2-Dichloroethene	5.299	96	2036	0.76	ug/L		82
18) Methyl tert-butyl Ether	5.322	73	6145m	1.09	ug/L		
19) 1,1-Dichloroethane	6.105	63	4045	0.77	ug/L		92
20) cis-1,2-Dichloroethene	7.075	96	4002m	1.39	ug/L		
22) 2-Butanone	7.093	43	1732	2.20	ug/L		94
23) Bromochloromethane	7.434	128	1953	1.42	ug/L	#	73
25) Chloroform	7.593	83	20223	3.59	ug/L		94
27) 1,2-Dichloroethane	8.322	62	5550	1.58	ug/L		96

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Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) Cyclohexane	7.887	56	4479m	1.30	ug/L		
30) 1,1,1-Trichloroethane	7.781	97	6334	1.64	ug/L		97
31) Carbon tetrachloride	7.987	117	5308	1.57	ug/L		94
33) Benzene	8.257	78	16159	1.70	ug/L		100
34) Trichloroethene	9.028	95	3685	1.45	ug/L		84
35) Methylcyclohexane	9.269	83	4619	1.28	ug/L	#	87
37) 1,2-Dichloropropane	9.298	63	4762	1.72	ug/L	#	87
38) Bromodichloromethane	9.587	83	5581	1.59	ug/L	#	98
39) cis-1,3-Dichloropropene	10.010	75	5551	1.38	ug/L		91
40) 4-Methyl-2-pentanone	10.157	43	3031	2.07	ug/L		97
42) Toluene	10.334	91	14208	1.40	ug/L		88
44) trans-1,3-Dichloropropene	10.551	75	5818	1.74	ug/L		93
45) 1,1,2-Trichloroethane	10.728	97	3210	1.55	ug/L		86
46) Tetrachloroethene	10.810	164	2865	1.45	ug/L		84
48) 2-Hexanone	10.922	43	2879	2.71	ug/L		97
49) Dibromochloromethane	11.069	129	3223	1.38	ug/L		88
50) 1,2-Dibromoethane	11.175	107	2678	1.46	ug/L	#	84
51) Chlorobenzene	11.598	112	9294	1.38	ug/L		89
52) Ethylbenzene	11.687	91	11892	1.07	ug/L		87
53) m,p-Xylene	11.792	106	4532	1.10	ug/L		81
54) o-Xylene	12.116	106	3930	1.01	ug/L		83
55) Styrene	12.128	104	7504	1.06	ug/L		95
57) 1,1,2,2-Tetrachloroethane	12.663	83	4133	1.65	ug/L	#	91
59) Bromoform	12.298	173	2078m	1.58	ug/L		
60) Isopropylbenzene	12.416	105	11077	1.16	ug/L		96
61) 1,2,3-Trichloropropane	12.716	75	2429	1.55	ug/L	#	91
62) 1,3,5-Trimethylbenzene	12.904	105	9082	1.21	ug/L		96
63) 1,2,4-Trimethylbenzene	13.210	105	9515	1.25	ug/L		90
64) 1,3-Dichlorobenzene	13.457	146	7016	1.47	ug/L		90
65) 1,4-Dichlorobenzene	13.539	146	7276	1.42	ug/L	#	87
67) 1,2-Dichlorobenzene	13.828	146	7011	1.59	ug/L	#	87
68) 1,2-Dibromo-3-chloropr...	14.445	75	643m	1.73	ug/L		
69) 1,3,5-Trichlorobenzene	14.592	180	4161	1.33	ug/L		96
70) 1,2,4-trichlorobenzene	15.098	180	3614	1.38	ug/L		95
71) Naphthalene	15.328	128	6302	1.29	ug/L		94
72) 1,2,3-Trichlorobenzene	15.516	180	2932	1.24	ug/L		88

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

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