

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050925\
 Data File : VW031703.D
 Acq On : 09 May 2025 14:59
 Operator : SY/MD
 Sample : Q1546-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 19 13:10:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon May 19 12:38:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	450460	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	314755	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	122800	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	267953	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.04%
7) Chloroethane-d5	2.893	69	158017	24.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	4.015	65	110271	23.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.96%
21) 2-Butanone-d5	7.094	46	110497	49.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.68%
24) Chloroform-d	7.648	84	262489	24.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.24%
26) 1,2-Dichloroethane-d4	8.307	65	102428m	26.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.52%
32) Benzene-d6	8.270	84	605310	25.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	9.270	67	142243	25.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.48%
41) Toluene-d8	10.325	98	523419	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.68%
43) trans-1,3-Dichloroprop...	10.581	79	43741	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.24%
47) 2-Hexanone-d5	10.922	63	55690	47.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.92%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	95847	25.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.76%
66) 1,2-Dichlorobenzene-d4	13.848	152	108177	25.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.96%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.009	85	9074m	1.02	ug/L	
3) Chloromethane	2.210	50	8365	1.18	ug/L	95
5) Vinyl chloride	2.381	62	10968m	1.03	ug/L	
6) Bromomethane	2.789	94	4607	1.06	ug/L	82
8) Chloroethane	2.930	64	6419m	1.26	ug/L	
9) Trichlorofluoromethane	3.259	101	8183	0.98	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	12265m	1.10	ug/L	
12) 1,1-Dichloroethene	4.033	96	11732	1.33	ug/L #	1
13) Acetone	4.161	43	26336	16.50	ug/L	67
14) Carbon disulfide	4.393	76	27374	1.01	ug/L	96
15) Methyl Acetate	4.704	43	3939m	1.37	ug/L	
16) Methylene chloride	4.929	84	5950	1.30	ug/L	89
17) trans-1,2-Dichloroethene	5.429	96	8094	1.08	ug/L	89
18) Methyl tert-butyl Ether	5.435	73	6176	1.16	ug/L #	76
19) 1,1-Dichloroethane	6.210	63	12622m	1.08	ug/L	
20) cis-1,2-Dichloroethene	7.173	96	6101	1.06	ug/L	79
23) Bromochloromethane	7.508	128	2062m	1.10	ug/L	
25) Chloroform	7.679	83	12667	1.26	ug/L	88
27) 1,2-Dichloroethane	8.398	62	5708	1.23	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	17185	0.84	ug/L	96
30) 1,1,1-Trichloroethane	7.868	97	13006m	0.98	ug/L	
31) Carbon tetrachloride	8.069	117	13025	0.98	ug/L	100
33) Benzene	8.325	78	27754	1.08	ug/L	100
34) Trichloroethene	9.093	95	8642	1.02	ug/L	93
35) Methylcyclohexane	9.331	83	19572	0.88	ug/L	96
37) 1,2-Dichloropropane	9.368	63	5270	1.06	ug/L #	91
38) Bromodichloromethane	9.642	83	6470m	1.18	ug/L	
39) cis-1,3-Dichloropropene	10.063	75	6705m	1.08	ug/L	
40) 4-Methyl-2-pentanone	10.209	43	6449	2.11	ug/L	99
42) Toluene	10.386	91	29209	1.07	ug/L	100
44) trans-1,3-Dichloropropene	10.611	75	6741	1.45	ug/L	96
45) 1,1,2-Trichloroethane	10.782	97	3515m	1.23	ug/L	
46) Tetrachloroethene	10.861	164	7184	1.02	ug/L	97
48) 2-Hexanone	10.971	43	5190	2.14	ug/L #	80
49) Dibromochloromethane	11.123	129	3340	1.16	ug/L	99
50) 1,2-Dibromoethane	11.233	107	3005	1.12	ug/L #	72
51) Chlorobenzene	11.654	112	16024	1.18	ug/L	98
52) Ethylbenzene	11.727	91	34319	1.04	ug/L	99
53) m,p-Xylene	11.837	106	16901	1.43	ug/L	97
54) o-Xylene	12.166	106	11346	1.22	ug/L	79
55) Styrene	12.178	104	11892	0.89	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.702	83	4418	1.20	ug/L #	90
59) Bromoform	12.343	173	1815	1.24	ug/L #	98
60) Isopropylbenzene	12.458	105	30862	0.91	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	3206	1.18	ug/L #	78
62) 1,3,5-Trimethylbenzene	12.940	105	20463	0.88	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	19817	1.01	ug/L	94
64) 1,3-Dichlorobenzene	13.495	146	9827	1.10	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	9939	1.19	ug/L	90
67) 1,2-Dichlorobenzene	13.867	146	8220	1.21	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.482	75	1284	1.47	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	6789	1.10	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	5063	1.21	ug/L	95
71) Naphthalene	15.360	128	8268	1.02	ug/L #	91
72) 1,2,3-Trichlorobenzene	15.549	180	3577	1.06	ug/L #	81

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

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