

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061225\
 Data File : VW031726.D
 Acq On : 12 Jun 2025 10:36
 Operator : SY/MD
 Sample : Q2117-04 MDL 1 PPB
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2025-04DL

Quant Time: Jun 27 09:20:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061025SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 25 07:47:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	318500	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	291806	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	132879	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.393	65	89190	22.359	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	89.440%	
7) Chloroethane-d5	2.930	69	76247	23.156	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	92.640%	
11) 1,1-Dichloroethene-d2	4.051	65	45150	21.554	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	86.200%	
21) 2-Butanone-d5	7.106	46	78736	50.394	ug/L	0.01
Spiked Amount 50.000	Range 20	- 135	Recovery	=	100.780%	
24) Chloroform-d	7.667	84	216502	23.451	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	93.800%	
26) 1,2-Dichloroethane-d4	8.319	65	135560	25.023	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.080%	
32) Benzene-d6	8.289	84	418593	23.721	ug/L	0.01
Spiked Amount 25.000	Range 20	- 135	Recovery	=	94.880%	
36) 1,2-Dichloropropane-d6	9.282	67	125825	24.045	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	96.160%	
41) Toluene-d8	10.325	98	374242	22.984	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	91.920%	
43) trans-1,3-Dichloroprop...	10.581	79	57385	22.632	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	90.520%	
47) 2-Hexanone-d5	10.928	63	59139	48.054	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	96.100%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	126206	24.169	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	96.680%	
66) 1,2-Dichlorobenzene-d4	13.848	152	122556	24.055	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	96.240%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.046	85	3221	0.858 ug/L	97
3) Chloromethane	2.247	50	3970m	1.056 ug/L	
5) Vinyl chloride	2.405	62	4777	1.065 ug/L #	59
6) Bromomethane	2.826	94	3843m	1.205 ug/L	
8) Chloroethane	2.966	64	2737	0.953 ug/L	86
9) Trichlorofluoromethane	3.302	101	3053	0.767 ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	4.106	101	5726m	1.343 ug/L	
12) 1,1-Dichloroethene	4.070	96	4938m	1.160 ug/L	
13) Acetone	4.167	43	6243	4.632 ug/L	94
14) Carbon disulfide	4.423	76	10192	0.866 ug/L	97
15) Methyl Acetate	4.710	43	3017m	1.128 ug/L	
16) Methylene chloride	4.948	84	7750m	1.449 ug/L	
17) trans-1,2-Dichloroethene	5.454	96	4531	1.025 ug/L	99
18) Methyl tert-butyl Ether	5.466	73	7337	1.016 ug/L	94
19) 1,1-Dichloroethane	6.246	63	8676	1.057 ug/L	94
20) cis-1,2-Dichloroethene	7.185	96	5287	1.075 ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.539	128	2306m	1.038	ug/L	
25) Chloroform	7.691	83	10426	1.185	ug/L	97
27) 1,2-Dichloroethane	8.417	62	7267	1.133	ug/L	96
29) Cyclohexane	7.971	56	6574	0.853	ug/L #	93
30) 1,1,1-Trichloroethane	7.886	97	7326	1.075	ug/L	92
31) Carbon tetrachloride	8.075	117	6035	0.963	ug/L	100
33) Benzene	8.337	78	19892	1.086	ug/L	100
34) Trichloroethene	9.099	95	5364	1.040	ug/L	92
35) Methylcyclohexane	9.349	83	6811	0.813	ug/L	91
37) 1,2-Dichloropropane	9.380	63	5170	1.102	ug/L #	92
38) Bromodichloromethane	9.654	83	6838	1.086	ug/L #	91
39) cis-1,3-Dichloropropene	10.081	75	6821	0.892	ug/L	96
40) 4-Methyl-2-pentanone	10.215	43	7832	2.063	ug/L	99
42) Toluene	10.392	91	21690	1.099	ug/L	95
44) trans-1,3-Dichloropropene	10.611	75	9583	1.432	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	4659	1.176	ug/L	92
46) Tetrachloroethene	10.867	164	3677	1.007	ug/L	96
48) 2-Hexanone	10.971	43	7271	2.772	ug/L #	90
49) Dibromochloromethane	11.129	129	4364	1.063	ug/L	100
50) 1,2-Dibromoethane	11.233	107	4202	1.073	ug/L #	97
51) Chlorobenzene	11.660	112	14050	1.114	ug/L	93
52) Ethylbenzene	11.727	91	22266	0.989	ug/L	91
53) m,p-Xylene	11.837	106	8063	0.967	ug/L	91
54) o-Xylene	12.160	106	7695	0.964	ug/L	99
55) Styrene	12.178	104	12122	0.892	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.715	83	6525	1.288	ug/L #	92
59) Bromoform	12.349	173	2390	1.025	ug/L #	91
60) Isopropylbenzene	12.465	105	19000	0.918	ug/L	95
61) 1,2,3-Trichloropropane	12.769	75	4842	1.306	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	15139	0.916	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	15114	0.921	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	9104	1.032	ug/L	85
65) 1,4-Dichlorobenzene	13.574	146	11456	1.267	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	10270	1.248	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.483	75	1242	1.317	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	6262m	1.080	ug/L	
70) 1,2,4-trichlorobenzene	15.123	180	5444	1.072	ug/L	99
71) Naphthalene	15.360	128	12899	1.006	ug/L #	93
72) 1,2,3-Trichlorobenzene	15.549	180	4990	1.046	ug/L	99

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

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