

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050925\
 Data File : VW031704.D
 Acq On : 09 May 2025 15:23
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025498

Quant Time: May 19 12:42:14 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	379392	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	274887	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	116834	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	227778	24.74	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	98.96%		
7) Chloroethane-d5	2.899	69	138938	25.58	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	102.32%		
11) 1,1-Dichloroethene-d2	4.021	65	81916	20.94	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	83.76%		
21) 2-Butanone-d5	7.100	46	105492	56.50	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	113.00%		
24) Chloroform-d	7.648	84	225703	25.33	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	101.32%		
26) 1,2-Dichloroethane-d4	8.307	65	85183	25.80	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	103.20%		
32) Benzene-d6	8.276	84	512870	24.56	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	98.24%		
36) 1,2-Dichloropropane-d6	9.276	67	114894	23.93	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	95.72%		
41) Toluene-d8	10.319	98	450848	23.84	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	95.36%		
43) trans-1,3-Dichloroprop...	10.575	79	38512	24.26	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	97.04%		
47) 2-Hexanone-d5	10.922	63	51295	50.58	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	101.16%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	82949	25.46	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	101.84%		
66) 1,2-Dichlorobenzene-d4	13.849	152	91845	23.19	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.76%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.009	85	146567	19.48	ug/L #	86
3) Chloromethane	2.216	50	135984	22.71	ug/L	99
5) Vinyl chloride	2.375	62	209676	23.29	ug/L	98
6) Bromomethane	2.783	94	92253	25.29	ug/L	90
8) Chloroethane	2.930	64	107157	24.96	ug/L	99
9) Trichlorofluoromethane	3.259	101	158946	22.57	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	206329	22.04	ug/L	96
12) 1,1-Dichloroethene	4.045	96	167219	22.49	ug/L	94
13) Acetone	4.161	43	98337	73.16	ug/L	99
14) Carbon disulfide	4.393	76	537107	23.57	ug/L	100
15) Methyl Acetate	4.686	43	67930	28.00	ug/L #	62
16) Methylene chloride	4.929	84	98362	25.54	ug/L	95
17) trans-1,2-Dichloroethene	5.423	96	157261	24.84	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	116741	26.02	ug/L #	86
19) 1,1-Dichloroethane	6.222	63	252810	25.72	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	127051	26.14	ug/L	99
22) 2-Butanone	7.185	43	108978	55.86	ug/L	99
23) Bromochloromethane	7.514	128	42056	26.69	ug/L	96
25) Chloroform	7.673	83	222062	26.29	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	104024	26.58	ug/L	99
29) Cyclohexane	7.953	56	363748	20.45	ug/L	98
30) 1,1,1-Trichloroethane	7.868	97	262977	22.78	ug/L	100
31) Carbon tetrachloride	8.069	117	263934	22.85	ug/L	98
33) Benzene	8.319	78	565130	25.15	ug/L	100
34) Trichloroethene	9.087	95	170573	23.11	ug/L	97
35) Methylcyclohexane	9.331	83	381375	19.59	ug/L	94
37) 1,2-Dichloropropane	9.362	63	114203	26.18	ug/L	98
38) Bromodichloromethane	9.642	83	120602	25.14	ug/L #	93
39) cis-1,3-Dichloropropene	10.069	75	138369	25.63	ug/L	92
40) 4-Methyl-2-pentanone	10.209	43	139650	52.28	ug/L	98
42) Toluene	10.386	91	601694	25.20	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	104771	25.89	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	64630	25.97	ug/L	93
46) Tetrachloroethene	10.861	164	139614	22.60	ug/L	95
48) 2-Hexanone	10.965	43	117921	55.59	ug/L	99
49) Dibromochloromethane	11.123	129	63318	25.20	ug/L	97
50) 1,2-Dibromoethane	11.233	107	62284	26.63	ug/L	97
51) Chlorobenzene	11.654	112	301181	25.32	ug/L	94
52) Ethylbenzene	11.727	91	697841	24.31	ug/L	99
53) m,p-Xylene	11.837	106	264451	25.60	ug/L	100
54) o-Xylene	12.160	106	209387	25.76	ug/L	91
55) Styrene	12.178	104	314632	26.85	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.709	83	83022	25.73	ug/L	100
59) Bromoform	12.349	173	34237	24.68	ug/L #	98
60) Isopropylbenzene	12.459	105	751262	23.35	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	66829	25.95	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	517343	23.49	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	458640	24.48	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	217224	25.59	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	200703	25.35	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	166684	25.82	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.477	75	19281	23.20	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	138979	23.75	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	93804	23.66	ug/L	97
71) Naphthalene	15.360	128	191229	24.87	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	84443	26.22	ug/L	98

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

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