

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050925\
 Data File : VW031701.D
 Acq On : 09 May 2025 11:17
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025497

Quant Time: May 19 12:39:54 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	8.837	114	553347	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	424646	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	179836	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	318597	23.72	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	94.88%		
7) Chloroethane-d5	2.893	69	190728	24.07	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.28%		
11) 1,1-Dichloroethene-d2	4.021	65	133357	23.37	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	93.48%		
21) 2-Butanone-d5	7.087	46	141040	51.79	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	103.58%		
24) Chloroform-d	7.648	84	339220	26.10	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	104.40%		
26) 1,2-Dichloroethane-d4	8.301	65	134143	27.85	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	111.40%		
32) Benzene-d6	8.270	84	742928	23.03	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	92.12%		
36) 1,2-Dichloropropane-d6	9.270	67	176873	23.84	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	95.36%		
41) Toluene-d8	10.319	98	667054	22.83	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	91.32%		
43) trans-1,3-Dichloroprop...	10.575	79	60687	24.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	99.00%		
47) 2-Hexanone-d5	10.922	63	80315	51.27	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	102.54%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	134950	26.82	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	107.28%		
66) 1,2-Dichlorobenzene-d4	13.848	152	145010	23.79	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	95.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.009	85	223736	20.38	ug/L #	89
3) Chloromethane	2.216	50	175661	20.11	ug/L	99
5) Vinyl chloride	2.369	62	297991	22.69	ug/L	99
6) Bromomethane	2.783	94	127874	24.03	ug/L	98
8) Chloroethane	2.924	64	144750	23.11	ug/L	94
9) Trichlorofluoromethane	3.253	101	219357	21.36	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	294124	21.55	ug/L	97
12) 1,1-Dichloroethene	4.039	96	243042	22.42	ug/L	90
13) Acetone	4.155	43	94101	48.00	ug/L	99
14) Carbon disulfide	4.387	76	752842	22.65	ug/L	100
15) Methyl Acetate	4.679	43	96619	27.31	ug/L #	65
16) Methylene chloride	4.923	84	142443	25.35	ug/L	96
17) trans-1,2-Dichloroethene	5.423	96	220326	23.86	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	195631	29.90	ug/L #	87
19) 1,1-Dichloroethane	6.210	63	354808	24.75	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	181616	25.62	ug/L	92
22) 2-Butanone	7.185	43	144399	50.74	ug/L	98
23) Bromochloromethane	7.514	128	64565	28.10	ug/L	95
25) Chloroform	7.673	83	317906	25.81	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	161184	28.24	ug/L	100
29) Cyclohexane	7.953	56	536148	19.51	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	364713	20.45	ug/L	99
31) Carbon tetrachloride	8.069	117	363765	20.38	ug/L	99
33) Benzene	8.325	78	805331	23.20	ug/L	100
34) Trichloroethene	9.087	95	242484	21.27	ug/L	96
35) Methylcyclohexane	9.331	83	593935	19.75	ug/L	99
37) 1,2-Dichloropropane	9.361	63	162126	24.06	ug/L	98
38) Bromodichloromethane	9.642	83	184613	24.91	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	213405	25.59	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	220618	53.46	ug/L	98
42) Toluene	10.386	91	856939	23.24	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	160455	25.66	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	101270	26.34	ug/L	95
46) Tetrachloroethene	10.855	164	198220	20.77	ug/L	93
48) 2-Hexanone	10.965	43	182089	55.57	ug/L	99
49) Dibromochloromethane	11.123	129	101977	26.27	ug/L	88
50) 1,2-Dibromoethane	11.233	107	99725	27.60	ug/L	98
51) Chlorobenzene	11.654	112	445870	24.27	ug/L	98
52) Ethylbenzene	11.727	91	992189	22.38	ug/L	99
53) m,p-Xylene	11.837	106	368788	23.11	ug/L	94
54) o-Xylene	12.160	106	297413	23.68	ug/L	91
55) Styrene	12.178	104	465484	25.72	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	138470	27.78	ug/L	98
59) Bromoform	12.349	173	56682	26.54	ug/L #	97
60) Isopropylbenzene	12.458	105	1084786	21.90	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	106913	26.97	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	775206	22.87	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	677809	23.51	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	303117	23.19	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	308174	25.29	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	243952	24.55	ug/L #	86
68) 1,2-Dibromo-3-chloropr...	14.476	75	30207	23.61	ug/L	90
69) 1,3,5-Trichlorobenzene	14.623	180	213056	23.66	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	141927	23.25	ug/L	95
71) Naphthalene	15.354	128	320966	27.12	ug/L	98
72) 1,2,3-Trichlorobenzene	15.543	180	130563	26.33	ug/L	94

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

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