

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052225\
 Data File : VW031709.D
 Acq On : 22 May 2025 11:24
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025500

Quant Time: May 22 12:01:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 22 11:01:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	422479	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	284867	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	116228	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	243680	23.76	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 95.04%			
7) Chloroethane-d5	2.893	69	148185	24.50	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.00%			
11) 1,1-Dichloroethene-d2	4.015	65	107756	24.73	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 98.92%			
21) 2-Butanone-d5	7.093	46	93746m	45.09	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 90.18%			
24) Chloroform-d	7.642	84	230706	23.25	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 93.00%			
26) 1,2-Dichloroethane-d4	8.301	65	81593	22.19	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.76%			
32) Benzene-d6	8.270	84	525720	24.29	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.16%			
36) 1,2-Dichloropropane-d6	9.270	67	114144	22.94	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.76%			
41) Toluene-d8	10.318	98	480646	24.52	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 98.08%			
43) trans-1,3-Dichloroprop...	10.575	79	35224	21.41	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 85.64%			
47) 2-Hexanone-d5	10.922	63	47198	44.91	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.82%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	75267	22.29	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 89.16%			
66) 1,2-Dichlorobenzene-d4	13.848	152	88205	22.39	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	182320	21.76	ug/L #	87
3) Chloromethane	2.216	50	137475	20.61	ug/L	99
5) Vinyl chloride	2.375	62	253330	25.27	ug/L	96
6) Bromomethane	2.789	94	98284	24.19	ug/L	97
8) Chloroethane	2.930	64	118949	24.88	ug/L	96
9) Trichlorofluoromethane	3.259	101	209137	26.67	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	249245	23.91	ug/L	95
12) 1,1-Dichloroethene	4.039	96	198499	23.98	ug/L	97
13) Acetone	4.167	43	79517	53.13	ug/L	66
14) Carbon disulfide	4.387	76	611513	24.10	ug/L	98
15) Methyl Acetate	4.685	43	61096m	22.62	ug/L	
16) Methylene chloride	4.923	84	91913	21.43	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	171868	24.38	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	107025	21.42	ug/L #	88
19) 1,1-Dichloroethane	6.209	63	262095	23.95	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	123581	22.84	ug/L	94
22) 2-Butanone	7.179	43	104982	48.32	ug/L	98
23) Bromochloromethane	7.514	128	39199	22.34	ug/L	96
25) Chloroform	7.673	83	220781	23.47	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	95821	21.98	ug/L	98
29) Cyclohexane	7.953	56	469006	25.44	ug/L	98
30) 1,1,1-Trichloroethane	7.868	97	309312	25.85	ug/L	100
31) Carbon tetrachloride	8.063	117	307286	25.67	ug/L	99
33) Benzene	8.319	78	585219	25.13	ug/L	100
34) Trichloroethene	9.087	95	188271	24.62	ug/L	94
35) Methylcyclohexane	9.331	83	515591	25.55	ug/L	98
37) 1,2-Dichloropropane	9.367	63	108351	23.97	ug/L	99
38) Bromodichloromethane	9.642	83	117142	23.56	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	130548	23.34	ug/L	94
40) 4-Methyl-2-pentanone	10.209	43	128187	46.31	ug/L	98
42) Toluene	10.386	91	624788	25.26	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	98812	23.56	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	59263	22.98	ug/L	94
46) Tetrachloroethene	10.855	164	159309	24.89	ug/L	97
48) 2-Hexanone	10.965	43	108786	49.49	ug/L	98
49) Dibromochloromethane	11.123	129	60335	23.17	ug/L	89
50) 1,2-Dibromoethane	11.233	107	58434	24.11	ug/L #	98
51) Chlorobenzene	11.654	112	295335	23.96	ug/L	96
52) Ethylbenzene	11.727	91	731274	24.59	ug/L	98
53) m,p-Xylene	11.830	106	269204	25.15	ug/L	95
54) o-Xylene	12.160	106	209485	24.87	ug/L	87
55) Styrene	12.178	104	297518	24.50	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	75546	22.59	ug/L	90
59) Bromoform	12.349	173	35192	25.50	ug/L #	98
60) Isopropylbenzene	12.458	105	831853	25.99	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	60375	23.57	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	548519	25.04	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	465299	24.97	ug/L	99
64) 1,3-Dichlorobenzene	13.489	146	200448	23.73	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	189259	24.03	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	146567	22.82	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.476	75	18023	21.80	ug/L	97
69) 1,3,5-Trichlorobenzene	14.623	180	138493	23.79	ug/L	99
70) 1,2,4-trichlorobenzene	15.122	180	87888	22.28	ug/L	99
71) Naphthalene	15.360	128	168516	22.03	ug/L	98
72) 1,2,3-Trichlorobenzene	15.543	180	78236	24.42	ug/L	93

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

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