

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052225\
 Data File : VW031706.D
 Acq On : 22 May 2025 08:28
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025499

Quant Time: May 22 11:05:35 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	8.843	114	422215	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	299295	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	130361	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	231349	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.32%
7) Chloroethane-d5	2.893	69	145343	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.16%
11) 1,1-Dichloroethene-d2	4.021	65	95459	21.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.68%
21) 2-Butanone-d5	7.094	46	107001	51.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.98%
24) Chloroform-d	7.648	84	249090	25.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.48%
26) 1,2-Dichloroethane-d4	8.301	65	90791	24.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.84%
32) Benzene-d6	8.270	84	556052	24.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.84%
36) 1,2-Dichloropropane-d6	9.270	67	123753	23.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.68%
41) Toluene-d8	10.319	98	498040	24.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.76%
43) trans-1,3-Dichloroprop...	10.575	79	39735	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.96%
47) 2-Hexanone-d5	10.922	63	54591	49.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.88%
56) 1,1,2,2-Tetrachloroeth...	12.684	84	86185	24.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.20%
66) 1,2-Dichlorobenzene-d4	13.849	152	99228	22.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.84%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.009	85	190996	22.81	ug/L	# 88
3) Chloromethane	2.216	50	147895	22.19	ug/L	98
5) Vinyl chloride	2.369	62	240525	24.00	ug/L	96
6) Bromomethane	2.783	94	99329	24.47	ug/L	96
8) Chloroethane	2.930	64	116197	24.32	ug/L	99
9) Trichlorofluoromethane	3.259	101	195866	25.00	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.058	101	230080	22.09	ug/L	91
12) 1,1-Dichloroethene	4.033	96	195719	23.66	ug/L	93
13) Acetone	4.155	43	84674	56.61	ug/L	69
14) Carbon disulfide	4.387	76	619491	24.43	ug/L	98
15) Methyl Acetate	4.686	43	69407m	25.71	ug/L	
16) Methylene chloride	4.917	84	105990	24.72	ug/L	95
17) trans-1,2-Dichloroethene	5.423	96	177962	25.26	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	127576	25.55	ug/L	# 86
19) 1,1-Dichloroethane	6.210	63	281001	25.69	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	137975	25.51	ug/L	93
22) 2-Butanone	7.185	43	115678	53.28	ug/L	99
23) Bromochloromethane	7.514	128	44751	25.52	ug/L	94
25) Chloroform	7.673	83	238181	25.34	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	112145	25.75	ug/L	96
29) Cyclohexane	7.953	56	450112	23.24	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	312800	24.88	ug/L	99
31) Carbon tetrachloride	8.063	117	311347	24.75	ug/L	97
33) Benzene	8.319	78	627577	25.65	ug/L	100
34) Trichloroethene	9.087	95	196140	24.41	ug/L	96
35) Methylcyclohexane	9.331	83	469887	22.17	ug/L	94
37) 1,2-Dichloropropane	9.362	63	121466	25.58	ug/L	99
38) Bromodichloromethane	9.642	83	135448	25.93	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	153043	26.04	ug/L	94
40) 4-Methyl-2-pentanone	10.209	43	145354	49.98	ug/L	97
42) Toluene	10.386	91	657040	25.28	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	116435	26.42	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	68140	25.15	ug/L	91
46) Tetrachloroethene	10.855	164	157721	23.45	ug/L	97
48) 2-Hexanone	10.965	43	122221	52.92	ug/L	98
49) Dibromochloromethane	11.123	129	73262	26.78	ug/L	89
50) 1,2-Dibromoethane	11.233	107	65845	25.86	ug/L #	99
51) Chlorobenzene	11.654	112	321833	24.85	ug/L	99
52) Ethylbenzene	11.727	91	762427	24.40	ug/L	99
53) m,p-Xylene	11.831	106	277057	24.63	ug/L	85
54) o-Xylene	12.160	106	219482	24.80	ug/L	98
55) Styrene	12.178	104	333797	26.16	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.709	83	88893	25.30	ug/L	99
59) Bromoform	12.343	173	41665	26.91	ug/L #	96
60) Isopropylbenzene	12.459	105	836744	23.30	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	69029	24.02	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	573602	23.34	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	500985	23.97	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	219230	23.14	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	212786	24.09	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	175150	24.32	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	20507	22.12	ug/L #	84
69) 1,3,5-Trichlorobenzene	14.623	180	157356	24.10	ug/L	97
70) 1,2,4-trichlorobenzene	15.123	180	99182	22.42	ug/L	98
71) Naphthalene	15.360	128	202291	23.58	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	81189	22.59	ug/L	99

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

