

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050825\
 Data File : VW031694.D
 Acq On : 08 May 2025 10:50
 Operator : SY/MD
 Sample : VSTD00565
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005465

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 05/08/2025
 Supervised By :Mahesh Dadoda 05/12/2025

Quant Time: May 08 15:23:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 08 14:31:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	483789	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	348378	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	144188	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	44710	3.89	ug/L	0.00
7) Chloroethane-d5	2.893	69	29625	4.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.015	65	21326m	4.46	ug/L	0.00
21) 2-Butanone-d5	7.106	46	23173	9.70	ug/L	0.01
24) Chloroform-d	7.648	84	56909	5.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	22170	5.27	ug/L	0.00
32) Benzene-d6	8.270	84	122385	4.62	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	30827	5.07	ug/L	0.00
41) Toluene-d8	10.319	98	111514	4.65	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	9962	4.95	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	12613	9.81	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	23172	5.61	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	25501	5.22	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	45041	4.66	ug/L	# 85
3) Chloromethane	2.210	50	39539	5.18	ug/L	96
5) Vinyl chloride	2.375	62	54919	4.78	ug/L	99
6) Bromomethane	2.783	94	25543	5.49	ug/L	93
8) Chloroethane	2.942	64	28299	5.14	ug/L	97
9) Trichlorofluoromethane	3.259	101	41585m	4.63	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	48528	4.11	ug/L	91
12) 1,1-Dichloroethene	4.039	96	45177m	4.90	ug/L	
13) Acetone	4.161	43	17939	10.66	ug/L	54
14) Carbon disulfide	4.393	76	142529	4.90	ug/L	99
15) Methyl Acetate	4.698	43	18148m	5.85	ug/L	
16) Methylene chloride	4.929	84	26776m	5.34	ug/L	
17) trans-1,2-Dichloroethene	5.423	96	40137	4.97	ug/L	86
18) Methyl tert-butyl Ether	5.435	73	32172	5.60	ug/L	# 87
19) 1,1-Dichloroethane	6.210	63	65457	5.22	ug/L	95
20) cis-1,2-Dichloroethene	7.173	96	32503	5.24	ug/L	97
22) 2-Butanone	7.191	43	26261m	10.51	ug/L	
23) Bromochloromethane	7.520	128	11425	5.69	ug/L	86
25) Chloroform	7.679	83	57836	5.37	ug/L	96
27) 1,2-Dichloroethane	8.398	62	27895	5.59	ug/L	100
29) Cyclohexane	7.953	56	91455	4.06	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	66845	4.57	ug/L	99
31) Carbon tetrachloride	8.069	117	63250	4.32	ug/L	99
33) Benzene	8.319	78	139728	4.91	ug/L	100
34) Trichloroethene	9.093	95	45511	4.87	ug/L	94
35) Methylcyclohexane	9.331	83	99179	4.02	ug/L	96
37) 1,2-Dichloropropane	9.367	63	29566	5.35	ug/L	# 92
38) Bromodichloromethane	9.642	83	30805	5.07	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	32521	4.75	ug/L	93
40) 4-Methyl-2-pentanone	10.209	43	35729	10.55	ug/L	99
42) Toluene	10.386	91	141737	4.68	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	26319	5.13	ug/L	97

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

45) 1,1,2-Trichloroethane	10.788	97	16724	5.30	ug/L	97
46) Tetrachloroethene	10.861	164	34702	4.43	ug/L	94
48) 2-Hexanone	10.971	43	25884	9.63	ug/L #	95
49) Dibromochloromethane	11.129	129	16412	5.15	ug/L	89
50) 1,2-Dibromoethane	11.233	107	15647	5.28	ug/L	86
51) Chlorobenzene	11.654	112	75941	5.04	ug/L	95
52) Ethylbenzene	11.727	91	168504	4.63	ug/L	99
53) m,p-Xylene	11.837	106	59241	4.52	ug/L	86
54) o-Xylene	12.160	106	47429	4.60	ug/L	93
55) Styrene	12.178	104	67804	4.57	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.708	83	22695	5.55	ug/L	97
59) Bromoform	12.343	173	8806	5.14	ug/L #	91
60) Isopropylbenzene	12.458	105	178030	4.48	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	18271	5.75	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	121475	4.47	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	103986	4.50	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	54103	5.16	ug/L	91
65) 1,4-Dichlorobenzene	13.574	146	49887	5.11	ug/L	93
67) 1,2-Dichlorobenzene	13.861	146	42481	5.33	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.476	75	5181	5.05	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	35195	4.87	ug/L	96
70) 1,2,4-trichlorobenzene	15.123	180	23712	4.85	ug/L	97
71) Naphthalene	15.360	128	47314	4.99	ug/L	98
72) 1,2,3-Trichlorobenzene	15.543	180	20737	5.22	ug/L	97

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

