

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050825\
 Data File : VW031699.D
 Acq On : 08 May 2025 13:44
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV469

Manual Integrations
 APPROVED

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

Quant Time: May 08 15:44:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 08 15:36:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	446017	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	302162	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	123650	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	307665	28.42	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 113.68%			
7) Chloroethane-d5	2.893	69	173327	27.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.56%			
11) 1,1-Dichloroethene-d2	4.021	65	126855	27.58	ug/L	0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 110.32%#			
21) 2-Butanone-d5	7.093	46	110109	50.16	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.32%			
24) Chloroform-d	7.648	84	258071	24.64	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.56%			
26) 1,2-Dichloroethane-d4	8.307	65	92116	23.73	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.92%			
32) Benzene-d6	8.276	84	601769	26.22	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 104.88%			
36) 1,2-Dichloropropane-d6	9.276	67	131376	24.89	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 99.56%			
41) Toluene-d8	10.318	98	543334	26.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 104.56%			
43) trans-1,3-Dichloroprop...	10.575	79	40293	23.09	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 92.36%			
47) 2-Hexanone-d5	10.922	63	54677	49.05	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 98.10%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	87850	24.53	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 98.12%			
66) 1,2-Dichlorobenzene-d4	13.848	152	103260	24.64	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.56%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	220390	24.91	ug/L #	88
3) Chloromethane	2.216	50	156118	22.17	ug/L	98
5) Vinyl chloride	2.375	62	264528	24.99	ug/L	96
6) Bromomethane	2.783	94	100311	23.39	ug/L	86
8) Chloroethane	2.936	64	122691	24.31	ug/L	98
9) Trichlorofluoromethane	3.259	101	211198	25.51	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	245229	22.29	ug/L #	74
12) 1,1-Dichloroethene	4.039	96	227249m	26.00	ug/L	
13) Acetone	4.161	43	73620	46.59	ug/L	63
14) Carbon disulfide	4.393	76	666893	24.89	ug/L	99
15) Methyl Acetate	4.691	43	63548	22.28	ug/L #	68
16) Methylene chloride	4.935	84	101834	22.49	ug/L	96
17) trans-1,2-Dichloroethene	5.423	96	180758	24.29	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	118250	22.42	ug/L #	86
19) 1,1-Dichloroethane	6.222	63	275162	23.81	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	130975	22.92	ug/L	86
22) 2-Butanone	7.185	43	104798	45.69	ug/L	100
23) Bromochloromethane	7.520	128	41777	22.56	ug/L	86
25) Chloroform	7.679	83	232855	23.45	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	99801	21.69	ug/L	100
29) Cyclohexane	7.953	56	537136	27.47	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	323844	25.52	ug/L	100
31) Carbon tetrachloride	8.069	117	327248	25.77	ug/L	99
33) Benzene	8.325	78	611247	24.75	ug/L	100
34) Trichloroethene	9.087	95	202332	24.94	ug/L	96
35) Methylcyclohexane	9.331	83	560196	26.18	ug/L	95
37) 1,2-Dichloropropane	9.367	63	113662	23.71	ug/L	99
38) Bromodichloromethane	9.642	83	124124	23.54	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	141092	23.78	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	133913	45.61	ug/L	99
42) Toluene	10.386	91	650271	24.78	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	101136	22.73	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	62028	22.68	ug/L	95
46) Tetrachloroethene	10.861	164	172890	25.46	ug/L	96
48) 2-Hexanone	10.965	43	114789	49.23	ug/L	99
49) Dibromochloromethane	11.123	129	65139	23.58	ug/L	86
50) 1,2-Dibromoethane	11.233	107	57640	22.42	ug/L	98
51) Chlorobenzene	11.654	112	312959	23.94	ug/L	96
52) Ethylbenzene	11.727	91	785061	24.88	ug/L	99
53) m,p-Xylene	11.836	106	286437	25.22	ug/L	89
54) o-Xylene	12.160	106	226995	25.40	ug/L	97
55) Styrene	12.178	104	321917	24.99	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.708	83	81225	22.90	ug/L	92
59) Bromoform	12.342	173	33270	22.66	ug/L #	98
60) Isopropylbenzene	12.458	105	901445	26.47	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	64809	23.78	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	607840	26.08	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	516969	26.08	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	224518	24.99	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	205773	24.56	ug/L	92
67) 1,2-Dichlorobenzene	13.861	146	163646	23.95	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	18819	21.40	ug/L #	86
69) 1,3,5-Trichlorobenzene	14.623	180	162599	26.26	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	106856	25.46	ug/L	99
71) Naphthalene	15.360	128	196505	24.15	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	87296	25.61	ug/L	98

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

