

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061025\
 Data File : VW031721.D
 Acq On : 10 Jun 2025 16:17
 Operator : SY/MD
 Sample : Q2117-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2025-03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2025
 Supervised By :Mahesh Dadoda 06/27/2025

Quant Time: Jun 26 08:12:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061025SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 25 07:47:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.855	114	400370	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	364347	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.549	152	155029	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.399	65	100796	20.102	ug/L	0.01
Spiked Amount 25.000	Range 30	- 150	Recovery	=	80.400%	
7) Chloroethane-d5	2.935	69	85795	20.728	ug/L	0.01
Spiked Amount 25.000	Range 30	- 150	Recovery	=	82.920%	
11) 1,1-Dichloroethene-d2	4.051	65	49875	18.941	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	75.760%	
21) 2-Butanone-d5	7.099	46	88861	45.244	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	90.480%	
24) Chloroform-d	7.666	84	238697	20.568	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	82.280%	
26) 1,2-Dichloroethane-d4	8.319	65	149218	21.911	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	87.640%	
32) Benzene-d6	8.288	84	460450	20.898	ug/L	0.01
Spiked Amount 25.000	Range 20	- 135	Recovery	=	83.600%	
36) 1,2-Dichloropropane-d6	9.282	67	137659	21.069	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	84.280%	
41) Toluene-d8	10.324	98	414801	20.403	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	81.600%	
43) trans-1,3-Dichloroprop...	10.580	79	61999	19.583	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	78.320%	
47) 2-Hexanone-d5	10.928	63	70183	45.674	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	91.340%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	139622	21.415	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	85.640%	
66) 1,2-Dichlorobenzene-d4	13.848	152	138711	23.336	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	93.360%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.039	85	4589m	0.972	ug/L	
3) Chloromethane	2.246	50	4027	0.852	ug/L	95
5) Vinyl chloride	2.405	62	5756	1.021	ug/L #	70
6) Bromomethane	2.826	94	3927	0.980	ug/L	78
8) Chloroethane	2.972	64	3839	1.063	ug/L	100
9) Trichlorofluoromethane	3.307	101	4024m	0.805	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.100	101	4472	0.835	ug/L #	87
12) 1,1-Dichloroethene	4.063	96	6263	1.170	ug/L #	1
13) Acetone	4.161	43	7223	4.263	ug/L	51
14) Carbon disulfide	4.411	76	12058	0.815	ug/L	97
15) Methyl Acetate	4.703	43	3237m	0.963	ug/L	
16) Methylene chloride	4.959	84	13644m	2.029	ug/L	
17) trans-1,2-Dichloroethene	5.453	96	5131	0.923	ug/L	89
18) Methyl tert-butyl Ether	5.459	73	8734	0.962	ug/L #	60
19) 1,1-Dichloroethane	6.240	63	9478m	0.918	ug/L	
20) cis-1,2-Dichloroethene	7.185	96	3372	0.545	ug/L	97

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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.532	128	2536	0.908	ug/L	88
25) Chloroform	7.697	83	11393	1.030	ug/L	99
27) 1,2-Dichloroethane	8.410	62	8333	1.034	ug/L #	92
29) Cyclohexane	7.971	56	7844	0.815	ug/L	97
30) 1,1,1-Trichloroethane	7.886	97	7871	0.925	ug/L	96
31) Carbon tetrachloride	8.087	117	6683	0.854	ug/L	95
33) Benzene	8.337	78	22196	0.970	ug/L	100
34) Trichloroethene	9.105	95	5895	0.915	ug/L	93
35) Methylcyclohexane	9.337	83	8267	0.791	ug/L	89
37) 1,2-Dichloropropane	9.373	63	5828	0.995	ug/L #	96
38) Bromodichloromethane	9.648	83	7733	0.984	ug/L #	89
39) cis-1,3-Dichloropropene	10.080	75	8637	0.905	ug/L	95
40) 4-Methyl-2-pentanone	10.215	43	9119	1.924	ug/L	97
42) Toluene	10.391	91	22755	0.924	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	10362	1.240	ug/L	95
45) 1,1,2-Trichloroethane	10.788	97	5054	1.022	ug/L	93
46) Tetrachloroethene	10.867	164	3988	0.874	ug/L	95
48) 2-Hexanone	10.970	43	7549	2.305	ug/L #	90
49) Dibromochloromethane	11.129	129	5087	0.993	ug/L	92
50) 1,2-Dibromoethane	11.239	107	4805	0.982	ug/L	95
51) Chlorobenzene	11.659	112	14661	0.931	ug/L	98
52) Ethylbenzene	11.733	91	24475	0.871	ug/L	98
53) m,p-Xylene	11.842	106	8995	0.864	ug/L	78
54) o-Xylene	12.165	106	7805	0.784	ug/L	80
55) Styrene	12.184	104	13849	0.816	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.708	83	6927	1.095	ug/L #	86
59) Bromoform	12.348	173	2706	0.994	ug/L	96
60) Isopropylbenzene	12.464	105	22263	0.922	ug/L	95
61) 1,2,3-Trichloropropane	12.763	75	5170	1.195	ug/L	93
62) 1,3,5-Trimethylbenzene	12.940	105	16536	0.857	ug/L	98
63) 1,2,4-Trimethylbenzene	13.244	105	16924	0.884	ug/L	99
64) 1,3-Dichlorobenzene	13.494	146	10794	1.049	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	11535	1.094	ug/L	93
67) 1,2-Dichlorobenzene	13.860	146	10479	1.092	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.476	75	1288	1.171	ug/L #	79
69) 1,3,5-Trichlorobenzene	14.622	180	6815	1.008	ug/L	98
70) 1,2,4-trichlorobenzene	15.122	180	5598	0.945	ug/L	92
71) Naphthalene	15.354	128	14470	0.967	ug/L #	77
72) 1,2,3-Trichlorobenzene	15.549	180	5521	0.991	ug/L	99

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

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