

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061225\
 Data File : VW031724.D
 Acq On : 12 Jun 2025 08:35
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025502

Quant Time: Jun 27 09:19:08 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	8.849	114	338963	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	308622	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	144900	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.399	65	106400	25.063	ug/L	0.01
Spiked Amount 25.000	Range 30	- 150	Recovery	=	100.240%	
7) Chloroethane-d5	2.942	69	89108	25.428	ug/L	0.02
Spiked Amount 25.000	Range 30	- 150	Recovery	=	101.720%	
11) 1,1-Dichloroethene-d2	4.057	65	54203	24.314	ug/L	0.01
Spiked Amount 25.000	Range 45	- 110	Recovery	=	97.240%	
21) 2-Butanone-d5	7.106	46	86551	52.051	ug/L	0.01
Spiked Amount 50.000	Range 20	- 135	Recovery	=	104.100%	
24) Chloroform-d	7.666	84	246142	25.051	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	100.200%	
26) 1,2-Dichloroethane-d4	8.319	65	145457	25.228	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.920%	
32) Benzene-d6	8.288	84	454078	24.330	ug/L	0.01
Spiked Amount 25.000	Range 20	- 135	Recovery	=	97.320%	
36) 1,2-Dichloropropane-d6	9.282	67	134707	24.340	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	97.360%	
41) Toluene-d8	10.324	98	424110	24.627	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	98.520%	
43) trans-1,3-Dichloroprop...	10.581	79	64536	24.065	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	96.280%	
47) 2-Hexanone-d5	10.922	63	69437	53.348	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	106.700%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	145695	26.381	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	105.520%	
66) 1,2-Dichlorobenzene-d4	13.854	152	135202	24.336	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	97.360%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.045	85	100643	25.182	ug/L 100
3) Chloromethane	2.259	50	98930	24.726	ug/L 98
5) Vinyl chloride	2.405	62	130784	27.398	ug/L 97
6) Bromomethane	2.826	94	90780	26.750	ug/L 99
8) Chloroethane	2.972	64	83375	27.267	ug/L 96
9) Trichlorofluoromethane	3.307	101	123152	29.087	ug/L 99
10) 1,1,2-Trichloro-1,2,2-...	4.100	101	127828	28.181	ug/L 99
12) 1,1-Dichloroethene	4.082	96	127178	28.069	ug/L 86
13) Acetone	4.161	43	70252	48.973	ug/L 100
14) Carbon disulfide	4.423	76	336155	26.830	ug/L 100
15) Methyl Acetate	4.710	43	80270	28.209	ug/L 100
16) Methylene chloride	4.960	84	126247	22.173	ug/L 97
17) trans-1,2-Dichloroethene	5.453	96	128599	27.331	ug/L 98
18) Methyl tert-butyl Ether	5.466	73	207860	27.056	ug/L 99
19) 1,1-Dichloroethane	6.240	63	239397	27.397	ug/L 98
20) cis-1,2-Dichloroethene	7.191	96	144974	27.690	ug/L 98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) 2-Butanone	7.197	43	103017	58.701	ug/L	99
23) Bromochloromethane	7.526	128	66367	28.058	ug/L	97
25) Chloroform	7.691	83	261367	27.919	ug/L	96
27) 1,2-Dichloroethane	8.410	62	195393	28.633	ug/L	99
29) Cyclohexane	7.971	56	221684	27.188	ug/L	99
30) 1,1,1-Trichloroethane	7.892	97	200143	27.762	ug/L	99
31) Carbon tetrachloride	8.087	117	188895	28.503	ug/L	99
33) Benzene	8.337	78	538849	27.814	ug/L	100
34) Trichloroethene	9.099	95	146564	26.864	ug/L	91
35) Methylcyclohexane	9.343	83	247540	27.952	ug/L	99
37) 1,2-Dichloropropane	9.373	63	135347	27.269	ug/L	99
38) Bromodichloromethane	9.654	83	190168	28.564	ug/L	93
39) cis-1,3-Dichloropropene	10.075	75	226478	28.017	ug/L	96
40) 4-Methyl-2-pentanone	10.215	43	244277	60.832	ug/L	99
42) Toluene	10.392	91	592871	28.408	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	201865	28.526	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	117948	28.149	ug/L	97
46) Tetrachloroethene	10.861	164	107823	27.911	ug/L	99
48) 2-Hexanone	10.971	43	169783	61.198	ug/L	98
49) Dibromochloromethane	11.129	129	129833	29.910	ug/L	94
50) 1,2-Dibromoethane	11.233	107	116259	28.062	ug/L	96
51) Chlorobenzene	11.660	112	367029	27.510	ug/L	97
52) Ethylbenzene	11.733	91	670049	28.149	ug/L	98
53) m,p-Xylene	11.836	106	254789	28.880	ug/L	95
54) o-Xylene	12.166	106	240101	28.454	ug/L	96
55) Styrene	12.178	104	417407	29.032	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.714	83	157025	29.313	ug/L	96
59) Bromoform	12.349	173	77155	30.332	ug/L #	98
60) Isopropylbenzene	12.464	105	661427	29.314	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	121692	30.093	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	525567	29.147	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	531524	29.702	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	281383	29.251	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	274494	27.848	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	259082	28.880	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.476	75	31439	30.582	ug/L	91
69) 1,3,5-Trichlorobenzene	14.622	180	183432	29.015	ug/L	98
70) 1,2,4-trichlorobenzene	15.128	180	167231	30.190	ug/L	98
71) Naphthalene	15.360	128	427301	30.559	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	149109	28.649	ug/L	97

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

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