

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032583.D
 Acq On : 08 Dec 2025 09:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

12/09/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Dec 09 02:12:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	354482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	643883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	585250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	270635	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.313	65	233576	44.277	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	88.560%
35) Dibromofluoromethane	7.898	113	191802	45.266	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	90.540%
50) Toluene-d8	10.325	98	728370	45.683	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.360%
62) 4-Bromofluorobenzene	12.617	95	266897	45.309	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.620%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	108790	49.581	ug/l	95
3) Chloromethane	2.253	50	180837	44.832	ug/l	98
4) Vinyl Chloride	2.405	62	247682	50.612	ug/l	97
5) Bromomethane	2.820	94	158995	48.922	ug/l	91
6) Chloroethane	2.966	64	155100	49.069	ug/l	99
7) Trichlorofluoromethane	3.301	101	185521	48.910	ug/l	97
8) Diethyl Ether	3.716	74	134877	48.100	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	212992	53.113	ug/l	98
10) Methyl Iodide	4.301	142	289642	47.889	ug/l	98
11) Tert butyl alcohol	5.210	59	80720	198.935	ug/l #	85
12) 1,1-Dichloroethene	4.076	96	228699	50.581	ug/l	97
13) Acrolein	3.929	56	206862	287.638	ug/l	99
14) Allyl chloride	4.704	41	417400	50.431	ug/l	99
15) Acrylonitrile	5.399	53	373582	253.696	ug/l	100
16) Acetone	4.155	43	415058	251.786	ug/l	100
17) Carbon Disulfide	4.417	76	670098	50.026	ug/l	99
18) Methyl Acetate	4.704	43	177294	52.219	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	444122	52.698	ug/l	98
20) Methylene Chloride	4.954	84	264319	44.836	ug/l	94
21) trans-1,2-Dichloroethene	5.453	96	249361	50.475	ug/l	97
22) Diisopropyl ether	6.337	45	858976	52.002	ug/l	98
23) Vinyl Acetate	6.276	43	2861114	261.402	ug/l	100
24) 1,1-Dichloroethane	6.240	63	484990	50.571	ug/l	100
25) 2-Butanone	7.191	43	525058	248.189	ug/l	98
26) 2,2-Dichloropropane	7.185	77	264127	47.509	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	283703	49.327	ug/l	100
28) Bromochloromethane	7.532	49	210541	48.872	ug/l	98
29) Tetrahydrofuran	7.551	42	324466	256.866	ug/l	99
30) Chloroform	7.691	83	476774	50.093	ug/l	98
31) Cyclohexane	7.971	56	433525	51.265	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	349693	50.623	ug/l	99
36) 1,1-Dichloropropene	8.093	75	339605	52.546	ug/l	99
37) Ethyl Acetate	7.270	43	221912	49.616	ug/l	98
38) Carbon Tetrachloride	8.081	117	317968	52.956	ug/l	94
39) Methylcyclohexane	9.343	83	442559	56.078	ug/l	97
40) Benzene	8.331	78	1036816	50.341	ug/l	98

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41) Methacrylonitrile	7.496	41	129656	53.575	ug/l	95
42) 1,2-Dichloroethane	8.410	62	320233	50.712	ug/l	100
43) Isopropyl Acetate	8.429	43	390360	50.776	ug/l	100
44) Trichloroethene	9.099	130	236052	51.280	ug/l	94
45) 1,2-Dichloropropane	9.373	63	264593	51.722	ug/l	96
46) Dibromomethane	9.465	93	152399	51.517	ug/l	97
47) Bromodichloromethane	9.648	83	360823	52.039	ug/l	97
48) Methyl methacrylate	9.441	41	181976	52.072	ug/l	91
49) 1,4-Dioxane	9.459	88	38686	1094.428	ug/l #	96
51) 4-Methyl-2-Pentanone	10.209	43	1104776	259.708	ug/l	100
52) Toluene	10.392	92	639827	51.558	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	351401	52.828	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	410648	52.606	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	201509	50.858	ug/l	96
56) Ethyl methacrylate	10.648	69	293861	53.630	ug/l	100
57) 1,3-Dichloropropane	10.934	76	365342	51.666	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	755009	262.973	ug/l	99
59) 2-Hexanone	10.965	43	796187	262.809	ug/l	99
60) Dibromochloromethane	11.129	129	227900	51.320	ug/l	95
61) 1,2-Dibromoethane	11.233	107	191095	50.713	ug/l	98
64) Tetrachloroethene	10.861	164	192053	49.201	ug/l	97
65) Chlorobenzene	11.654	112	702735	50.817	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	216721	50.670	ug/l	99
67) Ethyl Benzene	11.727	91	1234207	52.581	ug/l	97
68) m/p-Xylenes	11.836	106	953728	106.872	ug/l	96
69) o-Xylene	12.166	106	428571	52.439	ug/l	91
70) Styrene	12.178	104	769583	53.683	ug/l	99
71) Bromoform	12.349	173	122154	51.936	ug/l #	98
73) Isopropylbenzene	12.458	105	1084857	54.038	ug/l	97
74) N-amyl acetate	12.269	43	359406	54.082	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	246834	52.229	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	218687m	59.716	ug/l	
77) Bromobenzene	12.745	156	255593	53.858	ug/l	94
78) n-propylbenzene	12.800	91	1415608	55.271	ug/l	100
79) 2-Chlorotoluene	12.885	91	822505	53.861	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	932269	54.423	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	83858	53.858	ug/l	95
82) 4-Chlorotoluene	12.983	91	871446	53.358	ug/l	99
83) tert-Butylbenzene	13.202	119	783607	55.465	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	939489	54.903	ug/l	99
85) sec-Butylbenzene	13.379	105	1198795	55.014	ug/l	98
86) p-Isopropyltoluene	13.489	119	947843	52.812	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	493757	50.886	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	505453	52.482	ug/l	99
89) n-Butylbenzene	13.818	91	1001695	54.959	ug/l	99
90) Hexachloroethane	14.086	117	185680	54.017	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	441654	51.891	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	41893	51.413	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	267333	51.572	ug/l	99
94) Hexachlorobutadiene	15.226	225	114991	48.192	ug/l	96
95) Naphthalene	15.360	128	653120	55.720	ug/l	100
96) 1,2,3-Trichlorobenzene	15.543	180	255566	54.269	ug/l	98

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12/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

