

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121025\
 Data File : VW032610.D
 Acq On : 10 Dec 2025 11:33
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 11 01:37:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:34:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	371020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	639881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	586355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	264542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	229894	40.133	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	80.260%		
35) Dibromofluoromethane	7.898	113	184405	41.065	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	82.140%		
50) Toluene-d8	10.325	98	729498	44.423	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	88.840%		
62) 4-Bromofluorobenzene	12.617	95	258949	42.949	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	85.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	99991	43.401	ug/l	100
3) Chloromethane	2.253	50	166354	40.930	ug/l	100
4) Vinyl Chloride	2.405	62	214044	44.136	ug/l	100
5) Bromomethane	2.826	94	142119	43.999	ug/l	100
6) Chloroethane	2.966	64	139899	44.707	ug/l	100
7) Trichlorofluoromethane	3.301	101	194755	45.870	ug/l	100
8) Diethyl Ether	3.722	74	123199	43.335	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	188154	44.254	ug/l	100
10) Methyl Iodide	4.307	142	271627	45.879	ug/l	100
11) Tert butyl alcohol	5.216	59	76141	197.613	ug/l	100
12) 1,1-Dichloroethene	4.082	96	201658	44.773	ug/l	100
13) Acrolein	3.936	56	171594	264.565	ug/l	100
14) Allyl chloride	4.710	41	381490	45.562	ug/l	100
15) Acrylonitrile	5.405	53	338506	213.068	ug/l	100
16) Acetone	4.167	43	369797	190.252	ug/l	100
17) Carbon Disulfide	4.417	76	587161	44.856	ug/l	100
18) Methyl Acetate	4.710	43	163414	43.097	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	413139	46.200	ug/l	100
20) Methylene Chloride	4.948	84	243267	40.995	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	219654	44.653	ug/l	100
22) Diisopropyl ether	6.338	45	796797	46.999	ug/l	100
23) Vinyl Acetate	6.283	43	2615356	228.148	ug/l	100
24) 1,1-Dichloroethane	6.240	63	436517	45.022	ug/l	100
25) 2-Butanone	7.191	43	472582	206.919	ug/l	100
26) 2,2-Dichloropropane	7.191	77	251903	46.271	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	264417	46.037	ug/l	100
28) Bromochloromethane	7.532	49	195499	50.755	ug/l	100
29) Tetrahydrofuran	7.551	42	292185	213.096	ug/l	100
30) Chloroform	7.697	83	434205	45.401	ug/l	100
31) Cyclohexane	7.971	56	391154	43.770	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	323530	46.005	ug/l	100
36) 1,1-Dichloropropene	8.093	75	313107	47.528	ug/l	100
37) Ethyl Acetate	7.270	43	204209	45.254	ug/l	100
38) Carbon Tetrachloride	8.081	117	288020	47.267	ug/l	100
39) Methylcyclohexane	9.343	83	405538	48.949	ug/l	100
40) Benzene	8.337	78	941733	47.121	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	113381	47.009	ug/l	100
42) 1,2-Dichloroethane	8.410	62	295640	46.461	ug/l	100
43) Isopropyl Acetate	8.435	43	361820	45.212	ug/l	100
44) Trichloroethene	9.099	130	213852	46.863	ug/l	100
45) 1,2-Dichloropropane	9.374	63	239660	47.391	ug/l	100
46) Dibromomethane	9.465	93	137855	46.528	ug/l	100
47) Bromodichloromethane	9.648	83	325565	47.238	ug/l	100
48) Methyl methacrylate	9.441	41	168381	44.578	ug/l	100
49) 1,4-Dioxane	9.465	88	33740	848.851	ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	998150	223.711	ug/l	100
52) Toluene	10.392	92	591700	48.121	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	326932	48.110	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	375651	47.938	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	182396	45.881	ug/l	100
56) Ethyl methacrylate	10.648	69	272335	47.451	ug/l	100
57) 1,3-Dichloropropane	10.934	76	336865	47.177	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	450552	264.513	ug/l	100
59) 2-Hexanone	10.971	43	720370	222.921	ug/l	100
60) Dibromochloromethane	11.129	129	213029	48.110	ug/l	100
61) 1,2-Dibromoethane	11.239	107	182090	47.368	ug/l	100
64) Tetrachloroethene	10.861	164	167435	44.536	ug/l	100
65) Chlorobenzene	11.654	112	624051	46.609	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.733	131	204508	48.912	ug/l	100
67) Ethyl Benzene	11.727	91	1127691	48.735	ug/l	100
68) m/p-Xylenes	11.837	106	865768	97.493	ug/l	100
69) o-Xylene	12.166	106	404860	49.432	ug/l	100
70) Styrene	12.178	104	699187	48.968	ug/l	100
71) Bromoform	12.343	173	109661	45.169	ug/l #	100
73) Isopropylbenzene	12.464	105	1036243	51.501	ug/l	100
74) N-amyl acetate	12.269	43	332320	48.205	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	229127	47.300	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	166812m	47.275	ug/l	
77) Bromobenzene	12.745	156	220114	47.672	ug/l	100
78) n-propylbenzene	12.800	91	1307126	50.857	ug/l	100
79) 2-Chlorotoluene	12.891	91	757745	50.226	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	856058	50.653	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	75754	54.175	ug/l	100
82) 4-Chlorotoluene	12.983	91	782244	48.820	ug/l	100
83) tert-Butylbenzene	13.202	119	737361	51.215	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	870207	51.055	ug/l	100
85) sec-Butylbenzene	13.379	105	1108799	50.301	ug/l	100
86) p-Isopropyltoluene	13.495	119	904377	50.442	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	464514	49.152	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	464180	49.324	ug/l	100
89) n-Butylbenzene	13.818	91	897831	49.843	ug/l	100
90) Hexachloroethane	14.086	117	167959	50.157	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	416071	48.775	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	38399	44.631	ug/l	100
93) 1,2,4-Trichlorobenzene	15.123	180	248740	49.095	ug/l	100
94) Hexachlorobutadiene	15.226	225	119661	49.963	ug/l	100
95) Naphthalene	15.360	128	586171	56.189	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	236769	49.438	ug/l	100

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

