

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121025\
 Data File : VW032612.D
 Acq On : 10 Dec 2025 12:42
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 01:39:01 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	294447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	536321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	481328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	212720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	752081	154.751	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 309.500%#			
35) Dibromofluoromethane	7.904	113	616431	153.939	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 307.880%#			
50) Toluene-d8	10.325	98	2299103	167.038	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 334.080%#			
62) 4-Bromofluorobenzene	12.617	95	815899	161.456	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 322.920%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	296113	161.951	ug/l	97
3) Chloromethane	2.253	50	533144	165.291	ug/l	99
4) Vinyl Chloride	2.405	62	636798	165.455	ug/l	98
5) Bromomethane	2.808	94	408420	159.327	ug/l	100
6) Chloroethane	2.960	64	418249	168.418	ug/l	97
7) Trichlorofluoromethane	3.302	101	590409	175.222	ug/l	97
8) Diethyl Ether	3.722	74	397075	175.991	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	550957	163.287	ug/l	97
10) Methyl Iodide	4.301	142	821221	174.781	ug/l	99
11) Tert butyl alcohol	5.216	59	287064	938.785	ug/l	97
12) 1,1-Dichloroethene	4.076	96	606654	169.721	ug/l	93
13) Acrolein	3.930	56	441523	857.776	ug/l	99
14) Allyl chloride	4.704	41	1185848	178.461	ug/l	99
15) Acrylonitrile	5.405	53	1181944	937.430	ug/l	99
16) Acetone	4.161	43	1224610	793.877	ug/l	99
17) Carbon Disulfide	4.417	76	1758452	169.272	ug/l	98
18) Methyl Acetate	4.710	43	587770	195.322	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	1273657	179.470	ug/l	98
20) Methylene Chloride	4.954	84	720906	153.079	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	681479	174.564	ug/l	99
22) Diisopropyl ether	6.338	45	2371380	176.250	ug/l	98
23) Vinyl Acetate	6.283	43	8504947	934.862	ug/l	100
24) 1,1-Dichloroethane	6.246	63	1345405	174.849	ug/l	100
25) 2-Butanone	7.191	43	1680866	927.354	ug/l	99
26) 2,2-Dichloropropane	7.191	77	718878	166.389	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	815650	178.943	ug/l	99
28) Bromochloromethane	7.533	49	521442	170.583	ug/l	100
29) Tetrahydrofuran	7.551	42	1035094	951.232	ug/l	100
30) Chloroform	7.697	83	1295632	170.702	ug/l	99
31) Cyclohexane	7.971	56	1147496	161.796	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	941652	168.721	ug/l	99
36) 1,1-Dichloropropene	8.093	75	930455	168.510	ug/l	99
37) Ethyl Acetate	7.270	43	692074	182.980	ug/l	99
38) Carbon Tetrachloride	8.081	117	875798	171.480	ug/l	99
39) Methylcyclohexane	9.343	83	1228435	176.905	ug/l	95
40) Benzene	8.337	78	2836086	169.309	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	398133	196.943	ug/l	96
42) 1,2-Dichloroethane	8.410	62	904652	169.620	ug/l	100
43) Isopropyl Acetate	8.435	43	1254105	186.970	ug/l	99
44) Trichloroethene	9.099	130	665355	173.957	ug/l	95
45) 1,2-Dichloropropane	9.374	63	723840	170.773	ug/l	97
46) Dibromomethane	9.465	93	433212	174.447	ug/l	99
47) Bromodichloromethane	9.648	83	1016094	175.897	ug/l	98
48) Methyl methacrylate	9.441	41	634968	200.562	ug/l	95
49) 1,4-Dioxane	9.465	88	126256	3789.769	ug/l #	96
51) 4-Methyl-2-Pentanone	10.215	43	3436644	918.967	ug/l	99
52) Toluene	10.392	92	1767558	171.505	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	1057098	185.595	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	1204329	183.363	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	577745	173.393	ug/l	96
56) Ethyl methacrylate	10.648	69	942031	195.833	ug/l	98
57) 1,3-Dichloropropane	10.934	76	1052270	175.825	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	2429034	753.986	ug/l	100
59) 2-Hexanone	10.965	43	2497363	922.044	ug/l	98
60) Dibromochloromethane	11.129	129	688590	185.537	ug/l	97
61) 1,2-Dibromoethane	11.233	107	571069	177.241	ug/l	97
64) Tetrachloroethene	10.861	164	538485	174.486	ug/l	94
65) Chlorobenzene	11.654	112	1925036	175.149	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	608353	177.246	ug/l	94
67) Ethyl Benzene	11.727	91	3357833	176.778	ug/l	100
68) m/p-Xylenes	11.837	106	2551192	349.974	ug/l	98
69) o-Xylene	12.166	106	1226093	182.369	ug/l	98
70) Styrene	12.178	104	2109352	179.966	ug/l	99
71) Bromoform	12.349	173	379408	190.378	ug/l #	96
73) Isopropylbenzene	12.465	105	3076258	190.134	ug/l	99
74) N-amyl acetate	12.269	43	1108360	199.941	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	725489	186.253	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	522435m	184.129	ug/l	
77) Bromobenzene	12.745	156	699036	188.280	ug/l	98
78) n-propylbenzene	12.800	91	3841547	185.878	ug/l	99
79) 2-Chlorotoluene	12.885	91	2213962	182.500	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	2530162	186.181	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	270053	150.713	ug/l	92
82) 4-Chlorotoluene	12.983	91	2270561	176.229	ug/l	97
83) tert-Butylbenzene	13.202	119	2212642	191.126	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	2519339	183.817	ug/l	100
85) sec-Butylbenzene	13.379	105	3226577	182.033	ug/l	98
86) p-Isopropyltoluene	13.495	119	2698178	187.155	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	1372071	180.553	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	1328820	175.601	ug/l	97
89) n-Butylbenzene	13.818	91	2685541	185.407	ug/l	99
90) Hexachloroethane	14.092	117	505848	187.859	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	1225088	178.602	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	134199	193.978	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	771451	189.358	ug/l	93
94) Hexachlorobutadiene	15.226	225	348242	180.827	ug/l	95
95) Naphthalene	15.354	128	2174214	150.971	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	733874	190.566	ug/l	97

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

