

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092525\
 Data File : VW032263.D
 Acq On : 25 Sep 2025 13:08
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 26 06:51:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 06:41:54 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	268103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	503264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	471325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	221054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	574246	135.650	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 271.300%#			
35) Dibromofluoromethane	7.898	113	501948	138.686	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 277.380%#			
50) Toluene-d8	10.331	98	1818751	139.432	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 278.860%#			
62) 4-Bromofluorobenzene	12.617	95	691432	140.528	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 281.060%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.039	85	240712	129.953	ug/l	98
3) Chloromethane	2.259	50	369476	139.381	ug/l	92
4) Vinyl Chloride	2.405	62	420083	135.631	ug/l	100
5) Bromomethane	2.814	94	302978	143.255	ug/l	96
6) Chloroethane	2.960	64	302351	144.062	ug/l	98
7) Trichlorofluoromethane	3.301	101	366348	156.982	ug/l	96
8) Diethyl Ether	3.722	74	309062	140.059	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	408786	137.233	ug/l	99
10) Methyl Iodide	4.307	142	583039	144.711	ug/l	99
11) Tert butyl alcohol	5.228	59	229035	779.425	ug/l	99
12) 1,1-Dichloroethene	4.082	96	454400	142.705	ug/l	97
13) Acrolein	3.929	56	358621	685.685	ug/l	95
14) Allyl chloride	4.704	41	741086	149.967	ug/l	99
15) Acrylonitrile	5.405	53	876508	771.249	ug/l	99
16) Acetone	4.161	43	725678	667.495	ug/l	100
17) Carbon Disulfide	4.423	76	1064701	145.428	ug/l	99
18) Methyl Acetate	4.710	43	657620	175.880	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	903547	153.083	ug/l	99
20) Methylene Chloride	4.954	84	535268	151.547	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	507076	147.681	ug/l	89
22) Diisopropyl ether	6.344	45	1632431	148.663	ug/l	98
23) Vinyl Acetate	6.283	43	5462201	773.228	ug/l	99
24) 1,1-Dichloroethane	6.246	63	1005238	145.019	ug/l	99
25) 2-Butanone	7.197	43	1188481	784.297	ug/l	98
26) 2,2-Dichloropropane	7.185	77	490986	143.738	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	634273	148.524	ug/l	100
28) Bromochloromethane	7.532	49	465294	140.671	ug/l #	100
29) Tetrahydrofuran	7.551	42	778509	791.357	ug/l	100
30) Chloroform	7.691	83	1027625	142.085	ug/l	99
31) Cyclohexane	7.971	56	750802	137.359	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	698636	143.387	ug/l	99
36) 1,1-Dichloropropene	8.093	75	688774	141.154	ug/l	99
37) Ethyl Acetate	7.276	43	484636	149.754	ug/l	99
38) Carbon Tetrachloride	8.081	117	648359	141.229	ug/l	95
39) Methylcyclohexane	9.343	83	851000	150.722	ug/l	95
40) Benzene	8.337	78	2170741	141.329	ug/l	100

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41) Methacrylonitrile	7.502	41	305799	164.987	ug/l	94
42) 1,2-Dichloroethane	8.410	62	709201	138.911	ug/l	100
43) Isopropyl Acetate	8.441	43	899258	155.231	ug/l	99
44) Trichloroethene	9.099	130	512412	142.728	ug/l	95
45) 1,2-Dichloropropane	9.374	63	561821	141.229	ug/l	99
46) Dibromomethane	9.465	93	342097	139.871	ug/l	99
47) Bromodichloromethane	9.654	83	816402	146.351	ug/l #	99
48) Methyl methacrylate	9.441	41	447621	164.241	ug/l	97
49) 1,4-Dioxane	9.459	88	109095	3330.471	ug/l #	95
51) 4-Methyl-2-Pentanone	10.215	43	2581810	751.674	ug/l	99
52) Toluene	10.392	92	1383297	145.306	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	825886	161.590	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	922892	156.407	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	479692	143.686	ug/l	99
56) Ethyl methacrylate	10.648	69	724292	164.704	ug/l	98
57) 1,3-Dichloropropane	10.934	76	826934	143.381	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	1967595	815.074	ug/l	100
59) 2-Hexanone	10.971	43	1834008	781.907	ug/l	99
60) Dibromochloromethane	11.135	129	549090	149.762	ug/l	100
61) 1,2-Dibromoethane	11.239	107	467063	147.671	ug/l	100
64) Tetrachloroethene	10.867	164	407222	141.775	ug/l	91
65) Chlorobenzene	11.660	112	1542105	142.042	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	511003	148.829	ug/l	99
67) Ethyl Benzene	11.727	91	2698460	151.851	ug/l	96
68) m/p-Xylenes	11.837	106	2029004	297.855	ug/l	95
69) o-Xylene	12.166	106	980912	153.220	ug/l	100
70) Styrene	12.178	104	1702538	151.648	ug/l	99
71) Bromoform	12.349	173	315558	157.711	ug/l #	99
73) Isopropylbenzene	12.464	105	2480347	161.210	ug/l	100
74) N-amyl acetate	12.269	43	797679	164.633	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	598288	148.312	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	444249m	127.785	ug/l	
77) Bromobenzene	12.745	156	576269	152.279	ug/l	89
78) n-propylbenzene	12.800	91	2972678	153.818	ug/l	99
79) 2-Chlorotoluene	12.891	91	1806322	154.293	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	2066765	157.118	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	209132	178.617	ug/l	95
82) 4-Chlorotoluene	12.989	91	1903051	153.811	ug/l	98
83) tert-Butylbenzene	13.202	119	1773318	161.195	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	2079611	155.710	ug/l	100
85) sec-Butylbenzene	13.379	105	2618834	158.526	ug/l	99
86) p-Isopropyltoluene	13.495	119	2117769	154.791	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	1141699	152.522	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	1117378	146.119	ug/l	94
89) n-Butylbenzene	13.818	91	2173243	158.280	ug/l	99
90) Hexachloroethane	14.092	117	403116	158.088	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	1010379	144.291	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	109812	159.151	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	686602	165.278	ug/l	94
94) Hexachlorobutadiene	15.226	225	279873	146.692	ug/l	94
95) Naphthalene	15.360	128	1767143	177.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	631845	163.575	ug/l	97

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

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