

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121225\
 Data File : VW032647.D
 Acq On : 12 Dec 2025 14:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/14/2025
 Supervised By : Mahesh Dadoda 12/15/2025

Quant Time: Dec 13 00:07:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	360861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	626029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	552203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	270373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.312	65	261700	46.388	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	92.780%		
35) Dibromofluoromethane	7.898	113	214551	48.213	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	96.420%		
50) Toluene-d8	10.324	98	813435	50.630	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	101.260%		
62) 4-Bromofluorobenzene	12.617	95	296266	50.226	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	100.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.045	85	128241	57.230	ug/l	97
3) Chloromethane	2.253	50	204155	51.645	ug/l	98
4) Vinyl Chloride	2.405	62	271545	57.569	ug/l	98
5) Bromomethane	2.820	94	178478	56.811	ug/l	97
6) Chloroethane	2.966	64	177753	58.403	ug/l	94
7) Trichlorofluoromethane	3.307	101	227044	54.981	ug/l	90
8) Diethyl Ether	3.722	74	153396	55.475	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	237613	57.461	ug/l	97
10) Methyl Iodide	4.301	142	337905	58.681	ug/l	99
11) Tert butyl alcohol	5.215	59	92226	246.098	ug/l	99
12) 1,1-Dichloroethene	4.075	96	260468	59.459	ug/l	96
13) Acrolein	3.929	56	81192	128.707	ug/l	99
14) Allyl chloride	4.703	41	464031	56.981	ug/l	98
15) Acrylonitrile	5.398	53	424319	274.601	ug/l	99
16) Acetone	4.161	43	463676	245.266	ug/l	98
17) Carbon Disulfide	4.417	76	712195	55.940	ug/l	99
18) Methyl Acetate	4.703	43	204768	55.523	ug/l	99
19) Methyl tert-butyl Ether	5.459	73	512579	58.934	ug/l	98
20) Methylene Chloride	4.953	84	302295	52.376	ug/l	96
21) trans-1,2-Dichloroethene	5.459	96	274643	57.403	ug/l	93
22) Diisopropyl ether	6.337	45	969846	58.816	ug/l	95
23) Vinyl Acetate	6.276	43	3212715	288.148	ug/l	100
24) 1,1-Dichloroethane	6.246	63	540001	57.263	ug/l	99
25) 2-Butanone	7.191	43	584309	263.040	ug/l	99
26) 2,2-Dichloropropane	7.185	77	297768	56.236	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	329394	58.965	ug/l	98
28) Bromochloromethane	7.526	49	188808	50.398	ug/l	99
29) Tetrahydrofuran	7.550	42	361535	271.097	ug/l	99
30) Chloroform	7.691	83	533155	57.316	ug/l	99
31) Cyclohexane	7.965	56	471788	54.279	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	395325	57.796	ug/l	99
36) 1,1-Dichloropropene	8.093	75	387545	60.129	ug/l	100
37) Ethyl Acetate	7.270	43	260659	59.041	ug/l	99
38) Carbon Tetrachloride	8.075	117	349382	58.606	ug/l	96
39) Methylcyclohexane	9.343	83	484295	59.749	ug/l	97
40) Benzene	8.331	78	1176213	60.156	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	148068	62.749	ug/l	95
42) 1,2-Dichloroethane	8.410	62	364994	58.629	ug/l	100
43) Isopropyl Acetate	8.428	43	451373	57.651	ug/l	100
44) Trichloroethene	9.099	130	265994	59.579	ug/l	99
45) 1,2-Dichloropropane	9.373	63	298940	60.422	ug/l	98
46) Dibromomethane	9.465	93	171562	59.185	ug/l	100
47) Bromodichloromethane	9.648	83	410866	60.933	ug/l	99
48) Methyl methacrylate	9.440	41	208926	56.535	ug/l	99
49) 1,4-Dioxane	9.465	88	42175	1084.542	ug/l #	97
51) 4-Methyl-2-Pentanone	10.208	43	1274262	291.914	ug/l	100
52) Toluene	10.385	92	729738	60.660	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	408377	61.425	ug/l	98
54) cis-1,3-Dichloropropene	10.074	75	462186	60.286	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	233360	60.000	ug/l	99
56) Ethyl methacrylate	10.647	69	335204	59.698	ug/l	99
57) 1,3-Dichloropropane	10.934	76	412565	59.058	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	693306	352.141	ug/l	100
59) 2-Hexanone	10.964	43	910960	288.138	ug/l	99
60) Dibromochloromethane	11.129	129	267777	61.812	ug/l	98
61) 1,2-Dibromoethane	11.233	107	217004	57.700	ug/l	96
64) Tetrachloroethene	10.867	164	226885	64.082	ug/l	86
65) Chlorobenzene	11.659	112	784267	62.198	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.726	131	252459	64.114	ug/l	96
67) Ethyl Benzene	11.726	91	1403419	64.402	ug/l	97
68) m/p-Xylenes	11.836	106	1068183	127.726	ug/l	99
69) o-Xylene	12.165	106	489393	63.449	ug/l	96
70) Styrene	12.178	104	860556	63.998	ug/l	100
71) Bromoform	12.348	173	142542	62.344	ug/l #	97
73) Isopropylbenzene	12.458	105	1264979	61.513	ug/l	99
74) N-amyl acetate	12.269	43	411432	58.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	286600	57.889	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	213877m	58.950	ug/l	
77) Bromobenzene	12.745	156	283658	60.110	ug/l	95
78) n-propylbenzene	12.799	91	1613113	61.409	ug/l	100
79) 2-Chlorotoluene	12.891	91	925820	60.043	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	1062731	61.526	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	97692	64.658	ug/l	95
82) 4-Chlorotoluene	12.988	91	974928	59.533	ug/l	99
83) tert-Butylbenzene	13.202	119	912586	62.019	ug/l	100
84) 1,2,4-Trimethylbenzene	13.244	105	1039325	59.662	ug/l	99
85) sec-Butylbenzene	13.379	105	1329293	59.003	ug/l	99
86) p-Isopropyltoluene	13.494	119	1113828	60.785	ug/l	98
87) 1,3-Dichlorobenzene	13.494	146	580712	60.122	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	555259	57.730	ug/l	96
89) n-Butylbenzene	13.818	91	1114036	60.512	ug/l	99
90) Hexachloroethane	14.086	117	201532	58.884	ug/l	96
91) 1,2-Dichlorobenzene	13.866	146	485154	55.647	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	48447	55.095	ug/l	100
93) 1,2,4-Trichlorobenzene	15.128	180	296754	57.308	ug/l	100
94) Hexachlorobutadiene	15.232	225	135245	55.252	ug/l	96
95) Naphthalene	15.360	128	726073	64.533	ug/l	99
96) 1,2,3-Trichlorobenzene	15.555	180	278579	56.914	ug/l	97

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

