

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032241.D
 Acq On : 24 Sep 2025 12:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 05:02:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	159364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	285121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	263383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	147797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	126820	55.644	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 111.280%			
35) Dibromofluoromethane	7.898	113	109934	54.956	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 109.920%			
50) Toluene-d8	10.325	98	375602	53.487	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.617	95	140573	54.134	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	50462	47.960	ug/l	96
3) Chloromethane	2.259	50	51179	46.393	ug/l	100
4) Vinyl Chloride	2.405	62	71326	49.779	ug/l	100
5) Bromomethane	2.820	94	63936	49.968	ug/l	87
6) Chloroethane	2.966	64	52157	51.688	ug/l	98
7) Trichlorofluoromethane	3.302	101	63784	44.928	ug/l	96
8) Diethyl Ether	3.716	74	57140	53.933	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	85171	53.255	ug/l	99
10) Methyl Iodide	4.314	142	130051	53.404	ug/l	98
11) Tert butyl alcohol	5.228	59	34067	244.370	ug/l	98
12) 1,1-Dichloroethene	4.076	96	91646	54.413	ug/l	97
13) Acrolein	3.930	56	8421	39.297	ug/l	95
14) Allyl chloride	4.704	41	121556	50.809	ug/l	99
15) Acrylonitrile	5.405	53	144458	280.449	ug/l	100
16) Acetone	4.161	43	118689	240.461	ug/l	99
17) Carbon Disulfide	4.417	76	195933	46.511	ug/l	97
18) Methyl Acetate	4.704	43	114902	73.062	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	175812	55.278	ug/l	99
20) Methylene Chloride	4.948	84	107657	53.735	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	100969	53.663	ug/l	95
22) Diisopropyl ether	6.344	45	297735	57.180	ug/l	95
23) Vinyl Acetate	6.283	43	910958	257.319	ug/l	99
24) 1,1-Dichloroethane	6.240	63	187934	55.131	ug/l	99
25) 2-Butanone	7.191	43	193146	276.147	ug/l	98
26) 2,2-Dichloropropane	7.191	77	90367	50.059	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	124653	54.445	ug/l	98
28) Bromochloromethane	7.533	49	90321	57.881	ug/l	97
29) Tetrahydrofuran	7.557	42	126259	284.070	ug/l	98
30) Chloroform	7.691	83	217916	55.991	ug/l	95
31) Cyclohexane	7.972	56	129420	46.256	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	155704	54.804	ug/l	99
36) 1,1-Dichloropropene	8.093	75	133665	51.535	ug/l	99
37) Ethyl Acetate	7.277	43	82193	52.826	ug/l	100
38) Carbon Tetrachloride	8.081	117	141782	50.993	ug/l	98
39) Methylcyclohexane	9.343	83	148947	48.484	ug/l	96
40) Benzene	8.337	78	426097	53.147	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	45837	53.025	ug/l	96
42) 1,2-Dichloroethane	8.410	62	150558	54.171	ug/l	99
43) Isopropyl Acetate	8.435	43	151768	51.995	ug/l	98
44) Trichloroethene	9.099	130	103757	51.462	ug/l	90
45) 1,2-Dichloropropane	9.374	63	106903	55.313	ug/l	96
46) Dibromomethane	9.465	93	75073	55.381	ug/l	97
47) Bromodichloromethane	9.648	83	170688	55.409	ug/l	94
48) Methyl methacrylate	9.441	41	73737	54.816	ug/l	95
49) 1,4-Dioxane	9.465	88	19214	1173.130	ug/l #	88
51) 4-Methyl-2-Pentanone	10.215	43	471771	286.239	ug/l	99
52) Toluene	10.392	92	276980	52.868	ug/l	97
53) t-1,3-Dichloropropene	10.605	75	143109	52.661	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	165518	53.380	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	99488	56.440	ug/l	97
56) Ethyl methacrylate	10.648	69	124101	55.068	ug/l	99
57) 1,3-Dichloropropane	10.934	76	162268	54.977	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	362434	301.308	ug/l	99
59) 2-Hexanone	10.971	43	328975	286.998	ug/l	99
60) Dibromochloromethane	11.130	129	121475	56.950	ug/l	99
61) 1,2-Dibromoethane	11.239	107	94474	54.500	ug/l	99
64) Tetrachloroethene	10.861	164	95085	54.852	ug/l	95
65) Chlorobenzene	11.660	112	325820	54.349	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	110786	56.131	ug/l	96
67) Ethyl Benzene	11.733	91	534019	54.368	ug/l	99
68) m/p-Xylenes	11.837	106	412192	109.038	ug/l	100
69) o-Xylene	12.166	106	194080	54.277	ug/l	99
70) Styrene	12.178	104	364451	57.819	ug/l	97
71) Bromoform	12.349	173	64592	55.101	ug/l #	97
73) Isopropylbenzene	12.465	105	501620	49.958	ug/l	98
74) N-amyl acetate	12.270	43	138299	47.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.709	83	124582	52.209	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	87585m	47.302	ug/l	
77) Bromobenzene	12.745	156	132779	51.857	ug/l	96
78) n-propylbenzene	12.800	91	624108	51.197	ug/l	98
79) 2-Chlorotoluene	12.891	91	383600	51.459	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	437834	51.503	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	34736	50.511	ug/l	96
82) 4-Chlorotoluene	12.983	91	397572	49.825	ug/l	97
83) tert-Butylbenzene	13.202	119	371745	51.573	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	451989	51.391	ug/l	99
85) sec-Butylbenzene	13.379	105	537371	49.932	ug/l	100
86) p-Isopropyltoluene	13.495	119	455074	49.723	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	257879	50.020	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	260422	50.395	ug/l	96
89) n-Butylbenzene	13.818	91	432965	49.621	ug/l	98
90) Hexachloroethane	14.092	117	83029	49.598	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	240599	52.711	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	21859	51.853	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	145050	49.738	ug/l	99
94) Hexachlorobutadiene	15.226	225	67827	46.895	ug/l	98
95) Naphthalene	15.360	128	340442	51.582	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	139633	51.484	ug/l	99

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

