

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032403.D
 Acq On : 20 Oct 2025 20:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 01:37:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	329343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	624750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	566907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	269362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	235996	49.128	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.260%		
35) Dibromofluoromethane	7.904	113	200026	49.439	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	98.880%		
50) Toluene-d8	10.324	98	725477	48.583	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	97.160%		
62) 4-Bromofluorobenzene	12.617	95	285033	50.501	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	101.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.045	85	84742	41.004	ug/l	99
3) Chloromethane	2.253	50	129740	40.685	ug/l	99
4) Vinyl Chloride	2.405	62	170698	44.837	ug/l	97
5) Bromomethane	2.826	94	123182	44.029	ug/l	93
6) Chloroethane	2.972	64	113250	45.056	ug/l	100
7) Trichlorofluoromethane	3.307	101	137584	48.267	ug/l	96
8) Diethyl Ether	3.722	74	121561	49.214	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.100	101	152905	44.722	ug/l	94
10) Methyl Iodide	4.313	142	255130	52.299	ug/l	96
11) Tert butyl alcohol	5.216	59	90371	248.542	ug/l	97
12) 1,1-Dichloroethene	4.076	96	176318	47.502	ug/l	96
13) Acrolein	3.929	56	44267	75.014	ug/l	99
14) Allyl chloride	4.710	41	308857	49.265	ug/l	89
15) Acrylonitrile	5.405	53	322725	251.146	ug/l	99
16) Acetone	4.161	43	257325	193.462	ug/l	100
17) Carbon Disulfide	4.423	76	468532	46.263	ug/l	99
18) Methyl Acetate	4.710	43	355223	93.229	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	402506	55.057	ug/l	99
20) Methylene Chloride	4.953	84	227337	51.826	ug/l	96
21) trans-1,2-Dichloroethene	5.466	96	199315	48.502	ug/l	91
22) Diisopropyl ether	6.343	45	653260	50.103	ug/l	91
23) Vinyl Acetate	6.282	43	1681142	193.041	ug/l	100
24) 1,1-Dichloroethane	6.246	63	382473	48.284	ug/l	99
25) 2-Butanone	7.191	43	429377	237.024	ug/l	100
26) 2,2-Dichloropropane	7.191	77	195611	48.277	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	250591	50.759	ug/l	96
28) Bromochloromethane	7.532	49	177888	47.732	ug/l	91
29) Tetrahydrofuran	7.551	42	294656	258.648	ug/l	96
30) Chloroform	7.691	83	400224	49.819	ug/l	100
31) Cyclohexane	7.971	56	297551	44.000	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	289097	50.784	ug/l	99
36) 1,1-Dichloropropene	8.099	75	265375	46.475	ug/l	99
37) Ethyl Acetate	7.276	43	163606	43.047	ug/l	100
38) Carbon Tetrachloride	8.081	117	260805	48.538	ug/l	98
39) Methylcyclohexane	9.343	83	322676	46.849	ug/l	97
40) Benzene	8.337	78	848630	47.415	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	106201	51.850	ug/l	94
42) 1,2-Dichloroethane	8.410	62	278902	47.624	ug/l	99
43) Isopropyl Acetate	8.435	43	321857	47.737	ug/l	99
44) Trichloroethene	9.099	130	207888	49.606	ug/l	92
45) 1,2-Dichloropropane	9.373	63	213068	47.694	ug/l	100
46) Dibromomethane	9.465	93	135394	49.287	ug/l	96
47) Bromodichloromethane	9.648	83	318159	50.637	ug/l	97
48) Methyl methacrylate	9.440	41	172922	52.751	ug/l	93
49) 1,4-Dioxane	9.465	88	38781	1032.859	ug/l	98
51) 4-Methyl-2-Pentanone	10.215	43	991245	253.831	ug/l	99
52) Toluene	10.392	92	537531	48.227	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	308373	50.589	ug/l	98
54) cis-1,3-Dichloropropene	10.074	75	345442	49.197	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	178352	48.577	ug/l	98
56) Ethyl methacrylate	10.648	69	266677	51.893	ug/l	94
57) 1,3-Dichloropropane	10.934	76	321843	49.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	731987	267.642	ug/l	97
59) 2-Hexanone	10.971	43	692852	251.559	ug/l	99
60) Dibromochloromethane	11.129	129	218326	52.370	ug/l	99
61) 1,2-Dibromoethane	11.233	107	181160	50.603	ug/l	98
64) Tetrachloroethene	10.867	164	182506	53.802	ug/l	90
65) Chlorobenzene	11.653	112	600994	48.182	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	198398	51.067	ug/l	99
67) Ethyl Benzene	11.727	91	1029024	49.492	ug/l	97
68) m/p-Xylenes	11.836	106	781826	97.516	ug/l	98
69) o-Xylene	12.166	106	387082	51.627	ug/l	96
70) Styrene	12.178	104	673970	51.485	ug/l	97
71) Bromoform	12.348	173	123298	55.368	ug/l #	99
73) Isopropylbenzene	12.458	105	950453	51.575	ug/l	99
74) N-amyl acetate	12.269	43	263859	44.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	225655	49.315	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	168316m	47.484	ug/l	
77) Bromobenzene	12.745	156	224151	50.458	ug/l	89
78) n-propylbenzene	12.800	91	1141767	49.599	ug/l	97
79) 2-Chlorotoluene	12.891	91	698791	49.647	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	801428	50.293	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	74785	53.447	ug/l	88
82) 4-Chlorotoluene	12.983	91	732169	48.928	ug/l	100
83) tert-Butylbenzene	13.202	119	702544	53.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	827998	51.101	ug/l	100
85) sec-Butylbenzene	13.379	105	995387	49.818	ug/l	98
86) p-Isopropyltoluene	13.495	119	857567	51.727	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	442583	49.201	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	441778	49.117	ug/l	96
89) n-Butylbenzene	13.818	91	796462	49.204	ug/l	98
90) Hexachloroethane	14.086	117	153070	51.511	ug/l	98
91) 1,2-Dichlorobenzene	13.866	146	399250	49.100	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	42731	53.337	ug/l	93
93) 1,2,4-Trichlorobenzene	15.128	180	264133	54.170	ug/l	99
94) Hexachlorobutadiene	15.226	225	103782	46.554	ug/l	90
95) Naphthalene	15.360	128	673561	57.522	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	247423	53.836	ug/l	94

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

