

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023353.D
 Acq On : 11 Sep 2025 16:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 12 01:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/12/2025
 Supervised By :Semsettin Yesilyurt 09/12/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	518031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	790791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	375232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	217131	47.700	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.400%		
35) Dibromofluoromethane	7.634	113	238117	49.261	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.520%		
50) Toluene-d8	10.109	98	912060	49.968	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.940%		
62) 4-Bromofluorobenzene	12.402	95	302039	52.582	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	168854	40.629	ug/l	100
3) Chloromethane	2.068	50	260624	43.824	ug/l	100
4) Vinyl Chloride	2.202	62	336316	44.890	ug/l	99
5) Bromomethane	2.598	94	282384	46.160	ug/l	100
6) Chloroethane	2.739	64	236968	46.739	ug/l	99
7) Trichlorofluoromethane	3.056	101	440508	46.584	ug/l	99
8) Diethyl Ether	3.452	74	121728	48.651	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.818	101	225120	44.268	ug/l	96
10) Methyl Iodide	4.007	142	269590	45.445	ug/l	99
11) Tert butyl alcohol	4.872	59	66550	253.021	ug/l	99
12) 1,1-Dichloroethene	3.787	96	222617	45.506	ug/l	88
13) Acrolein	3.653	56	71698	161.242	ug/l	96
14) Allyl chloride	4.385	41	275159	44.525	ug/l	96
15) Acrylonitrile	5.061	53	233448	237.009	ug/l	98
16) Acetone	3.873	43	194714	187.790	ug/l	99
17) Carbon Disulfide	4.104	76	671495	43.355	ug/l	100
18) Methyl Acetate	4.391	43	117274	46.108	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	570255	49.575	ug/l	98
20) Methylene Chloride	4.616	84	263067	47.422	ug/l	90
21) trans-1,2-Dichloroethene	5.116	96	253478	46.374	ug/l	91
22) Diisopropyl ether	6.019	45	631675	45.897	ug/l	90
23) Vinyl Acetate	5.964	43	1782619	234.291	ug/l	96
24) 1,1-Dichloroethane	5.915	63	410376	45.588	ug/l	98
25) 2-Butanone	6.896	43	276160	216.400	ug/l	94
26) 2,2-Dichloropropane	6.890	77	350614	44.112	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	297295	48.030	ug/l	92
28) Bromochloromethane	7.244	49	159689	45.083	ug/l #	80
29) Tetrahydrofuran	7.262	42	177723	234.790	ug/l	90
30) Chloroform	7.421	83	453268	46.863	ug/l	98
31) Cyclohexane	7.701	56	340125	42.698	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	402968	46.632	ug/l	98
36) 1,1-Dichloropropene	7.835	75	316964	46.039	ug/l	98
37) Ethyl Acetate	6.988	43	129714	47.363	ug/l	99
38) Carbon Tetrachloride	7.817	117	364350	45.993	ug/l	97
39) Methylcyclohexane	9.109	83	415553	47.181	ug/l	95
40) Benzene	8.079	78	998446	46.657	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	70000	49.356	ug/l	92
42) 1,2-Dichloroethane	8.158	62	249020	45.705	ug/l	98
43) Isopropyl Acetate	8.195	43	248437	46.639	ug/l	94
44) Trichloroethene	8.866	130	281974	47.307	ug/l	96
45) 1,2-Dichloropropane	9.140	63	223069	46.156	ug/l	98
46) Dibromomethane	9.231	93	142627	48.459	ug/l	96
47) Bromodichloromethane	9.420	83	350026	47.272	ug/l	98
48) Methyl methacrylate	9.219	41	120430	48.505	ug/l	92
49) 1,4-Dioxane	9.231	88	31082	1040.333	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	658753	241.728	ug/l	94
52) Toluene	10.170	92	663973	48.892	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	311767	48.905	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	368047	48.316	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	190188	48.578	ug/l	98
56) Ethyl methacrylate	10.438	69	235353	51.887	ug/l	95
57) 1,3-Dichloropropane	10.713	76	305154	48.010	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	561324	283.935	ug/l	94
59) 2-Hexanone	10.762	43	451400	239.607	ug/l	96
60) Dibromochloromethane	10.908	129	262795	49.471	ug/l	99
61) 1,2-Dibromoethane	11.012	107	183084	49.904	ug/l	99
64) Tetrachloroethene	10.646	164	348509	49.046	ug/l	99
65) Chlorobenzene	11.438	112	737434	47.214	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	258910	47.227	ug/l	98
67) Ethyl Benzene	11.518	91	1230711	48.231	ug/l	97
68) m/p-Xylenes	11.627	106	997406	97.616	ug/l	95
69) o-Xylene	11.950	106	468141	49.493	ug/l	98
70) Styrene	11.969	104	784608	50.051	ug/l	97
71) Bromoform	12.127	173	158659	48.597	ug/l #	98
73) Isopropylbenzene	12.255	105	1208390	47.808	ug/l	99
74) N-amyl acetate	12.066	43	226487	47.406	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	192320	45.337	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	172132m	45.299	ug/l	
77) Bromobenzene	12.530	156	301010	46.614	ug/l	92
78) n-propylbenzene	12.591	91	1413565	47.450	ug/l	97
79) 2-Chlorotoluene	12.676	91	810359	47.228	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	987479	48.036	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	64960	46.620	ug/l	95
82) 4-Chlorotoluene	12.773	91	835491	46.536	ug/l	98
83) tert-Butylbenzene	12.993	119	888653	47.730	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	981837	48.279	ug/l	99
85) sec-Butylbenzene	13.176	105	1287357	47.522	ug/l	99
86) p-Isopropyltoluene	13.292	119	1098629	48.011	ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	591424	46.284	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	578072	45.674	ug/l	98
89) n-Butylbenzene	13.615	91	960164	47.313	ug/l	99
90) Hexachloroethane	13.877	117	223797	45.112	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	520459	46.715	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31173	46.834	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	315708	48.580	ug/l	99
94) Hexachlorobutadiene	15.023	225	184824	45.998	ug/l	98
95) Naphthalene	15.145	128	546401	52.310	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	279407	49.505	ug/l	99

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

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