

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023963.D
 Acq On : 15 Dec 2025 08:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 16 02:09:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/16/2025
 Supervised By : Mahesh Dadoda 12/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	584389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	812726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	678707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	350278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	248038	48.006	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.020%		
35) Dibromofluoromethane	7.652	113	282730	53.218	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.440%		
50) Toluene-d8	10.115	98	1043790	52.771	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.540%		
62) 4-Bromofluorobenzene	12.414	95	336171	50.892	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.879	85	193400	47.723	ug/l	97
3) Chloromethane	2.080	50	244922	47.045	ug/l	100
4) Vinyl Chloride	2.220	62	299466	46.551	ug/l	98
5) Bromomethane	2.617	94	241736	44.136	ug/l	100
6) Chloroethane	2.757	64	208395	45.977	ug/l	99
7) Trichlorofluoromethane	3.080	101	486035	50.184	ug/l	100
8) Diethyl Ether	3.470	74	126969	47.720	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.836	101	284427	50.392	ug/l	97
10) Methyl Iodide	4.025	142	378264	54.368	ug/l	99
11) Tert butyl alcohol	4.891	59	63906	213.594	ug/l	99
12) 1,1-Dichloroethene	3.811	96	271155	51.130	ug/l	98
13) Acrolein	3.671	56	116048	242.514	ug/l	100
14) Allyl chloride	4.409	41	332834	49.050	ug/l	97
15) Acrylonitrile	5.086	53	240292	226.673	ug/l	99
16) Acetone	3.891	43	306912	226.783	ug/l	99
17) Carbon Disulfide	4.128	76	747224	53.057	ug/l	100
18) Methyl Acetate	4.403	43	108593	46.453	ug/l	97
19) Methyl tert-butyl Ether	5.140	73	620612	48.936	ug/l	95
20) Methylene Chloride	4.641	84	279642	46.005	ug/l	94
21) trans-1,2-Dichloroethene	5.140	96	297380	51.080	ug/l	96
22) Diisopropyl ether	6.037	45	730451	47.274	ug/l	97
23) Vinyl Acetate	5.982	43	2047890	238.532	ug/l	99
24) 1,1-Dichloroethane	5.939	63	472431	49.053	ug/l	99
25) 2-Butanone	6.915	43	334510	209.494	ug/l	100
26) 2,2-Dichloropropane	6.902	77	466779	51.907	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	344167	51.497	ug/l	97
28) Bromochloromethane	7.262	49	170522	46.998	ug/l	90
29) Tetrahydrofuran	7.280	42	182574	224.199	ug/l	95
30) Chloroform	7.439	83	520752	49.500	ug/l	99
31) Cyclohexane	7.719	56	434142	48.995	ug/l	97
32) 1,1,1-Trichloroethane	7.634	97	492723	50.506	ug/l	99
36) 1,1-Dichloropropene	7.853	75	380144	52.558	ug/l	99
37) Ethyl Acetate	7.006	43	137538	46.698	ug/l	99
38) Carbon Tetrachloride	7.835	117	462872	52.798	ug/l	98
39) Methylcyclohexane	9.121	83	529708	54.817	ug/l	97
40) Benzene	8.097	78	1137422	51.641	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	77602	47.895	ug/l	95
42) 1,2-Dichloroethane	8.170	62	282105	48.842	ug/l	99
43) Isopropyl Acetate	8.213	43	259524	46.786	ug/l #	84
44) Trichloroethene	8.878	130	332358	52.041	ug/l	99
45) 1,2-Dichloropropane	9.152	63	250113	50.330	ug/l	99
46) Dibromomethane	9.243	93	148333	50.679	ug/l	96
47) Bromodichloromethane	9.432	83	388286	50.428	ug/l	99
48) Methyl methacrylate	9.231	41	127835	49.505	ug/l	97
49) 1,4-Dioxane	9.243	88	31066	952.059	ug/l	95
51) 4-Methyl-2-Pentanone	10.005	43	682499	232.222	ug/l	97
52) Toluene	10.182	92	756207	51.885	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	341315	51.295	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	407842	52.015	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	198919	49.378	ug/l	98
56) Ethyl methacrylate	10.451	69	241747	50.619	ug/l	97
57) 1,3-Dichloropropane	10.725	76	322184	49.449	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	434810	210.187	ug/l	97
59) 2-Hexanone	10.768	43	507202	227.387	ug/l	97
60) Dibromochloromethane	10.920	129	287371	51.523	ug/l	99
61) 1,2-Dibromoethane	11.024	107	187011	50.096	ug/l	99
64) Tetrachloroethene	10.658	164	389063	53.360	ug/l	97
65) Chlorobenzene	11.450	112	837122	53.229	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.523	131	294646	53.421	ug/l	98
67) Ethyl Benzene	11.530	91	1441684	54.712	ug/l	99
68) m/p-Xylenes	11.639	106	1137435	108.738	ug/l	99
69) o-Xylene	11.962	106	535411	54.716	ug/l	99
70) Styrene	11.975	104	861554	54.501	ug/l	99
71) Bromoform	12.139	173	171001	52.608	ug/l #	99
73) Isopropylbenzene	12.261	105	1421146	55.516	ug/l	99
74) N-amyl acetate	12.078	43	223251	49.167	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	198224	50.855	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	153337m	51.751	ug/l	
77) Bromobenzene	12.542	156	343587	54.093	ug/l	96
78) n-propylbenzene	12.603	91	1624135	54.531	ug/l	98
79) 2-Chlorotoluene	12.688	91	904532	53.465	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	1125047	55.089	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	67455	51.821	ug/l	98
82) 4-Chlorotoluene	12.785	91	930549	53.429	ug/l	99
83) tert-Butylbenzene	13.005	119	1057207	56.028	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	1094434	54.097	ug/l	99
85) sec-Butylbenzene	13.182	105	1510698	54.884	ug/l	100
86) p-Isopropyltoluene	13.298	119	1278658	54.880	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	651086	52.784	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	628410	51.683	ug/l	99
89) n-Butylbenzene	13.621	91	1100145	53.971	ug/l	100
90) Hexachloroethane	13.889	117	252182	53.042	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	554601	51.894	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	28941	47.955	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	330496	52.617	ug/l	99
94) Hexachlorobutadiene	15.029	225	217503	52.828	ug/l	99
95) Naphthalene	15.151	128	503937	51.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	272976	51.071	ug/l	100

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

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