

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023849.D
 Acq On : 02 Dec 2025 09:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 00:57:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	504446	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	785836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	674684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	345634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	244651	49.801	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.600%		
35) Dibromofluoromethane	7.646	113	241293	51.833	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.660%		
50) Toluene-d8	10.115	98	952903	51.535	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.060%		
62) 4-Bromofluorobenzene	12.408	95	308414	50.693	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	198999	52.345	ug/l	98
3) Chloromethane	2.080	50	290956	50.027	ug/l	99
4) Vinyl Chloride	2.214	62	337080	53.577	ug/l	97
5) Bromomethane	2.611	94	220949	49.783	ug/l	98
6) Chloroethane	2.745	64	215983	52.676	ug/l	99
7) Trichlorofluoromethane	3.074	101	447418	52.600	ug/l	98
8) Diethyl Ether	3.464	74	137628	51.372	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	261482	52.671	ug/l	99
10) Methyl Iodide	4.019	142	309061	56.812	ug/l	100
11) Tert butyl alcohol	4.872	59	82278	203.929	ug/l	100
12) 1,1-Dichloroethene	3.806	96	261066	53.453	ug/l	99
13) Acrolein	3.665	56	136936	236.095	ug/l	99
14) Allyl chloride	4.397	41	422349	54.586	ug/l	98
15) Acrylonitrile	5.074	53	302003	261.185	ug/l	99
16) Acetone	3.879	43	463995	327.824	ug/l	99
17) Carbon Disulfide	4.123	76	862544	54.723	ug/l	99
18) Methyl Acetate	4.397	43	132411	48.443	ug/l	99
19) Methyl tert-butyl Ether	5.129	73	642600	51.485	ug/l	99
20) Methylene Chloride	4.629	84	277971	46.454	ug/l	94
21) trans-1,2-Dichloroethene	5.129	96	293100	54.202	ug/l	98
22) Diisopropyl ether	6.031	45	921879	55.103	ug/l	98
23) Vinyl Acetate	5.970	43	2598730	279.332	ug/l	100
24) 1,1-Dichloroethane	5.927	63	523032	53.143	ug/l	98
25) 2-Butanone	6.903	43	506337	293.136	ug/l	100
26) 2,2-Dichloropropane	6.896	77	465248	53.331	ug/l	100
27) cis-1,2-Dichloroethene	6.903	96	329709	52.505	ug/l	100
28) Bromochloromethane	7.256	49	205034	50.082	ug/l	100
29) Tetrahydrofuran	7.268	42	248351	257.786	ug/l	99
30) Chloroform	7.433	83	522118	52.758	ug/l	99
31) Cyclohexane	7.713	56	504095	53.374	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	468095	53.286	ug/l	99
36) 1,1-Dichloropropene	7.841	75	396859	55.601	ug/l	99
37) Ethyl Acetate	6.994	43	180055	53.631	ug/l	98
38) Carbon Tetrachloride	7.829	117	427308	54.541	ug/l	99
39) Methylcyclohexane	9.116	83	518156	54.967	ug/l	99
40) Benzene	8.091	78	1194086	54.363	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	96378	57.501	ug/l	92
42) 1,2-Dichloroethane	8.165	62	299520	52.894	ug/l	100
43) Isopropyl Acetate	8.201	43	329575	52.530	ug/l #	88
44) Trichloroethene	8.872	130	302214	53.625	ug/l	100
45) 1,2-Dichloropropane	9.146	63	280679	54.198	ug/l	99
46) Dibromomethane	9.238	93	149734	53.284	ug/l	100
47) Bromodichloromethane	9.433	83	387041	52.702	ug/l	94
48) Methyl methacrylate	9.225	41	161695	54.739	ug/l	99
49) 1,4-Dioxane	9.238	88	31199	990.642	ug/l	93
51) 4-Methyl-2-Pentanone	10.006	43	889524	269.322	ug/l	99
52) Toluene	10.176	92	754644	55.421	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	360176	53.539	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	429962	53.393	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	196946	52.319	ug/l	97
56) Ethyl methacrylate	10.445	69	270002	54.626	ug/l	97
57) 1,3-Dichloropropane	10.725	76	349429	53.213	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	540385	227.581	ug/l	99
59) 2-Hexanone	10.768	43	727753	297.970	ug/l	99
60) Dibromochloromethane	10.914	129	264266	52.316	ug/l	100
61) 1,2-Dibromoethane	11.018	107	184210	52.720	ug/l	98
64) Tetrachloroethene	10.652	164	350404	54.748	ug/l	99
65) Chlorobenzene	11.444	112	798973	53.949	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	268433	53.354	ug/l	100
67) Ethyl Benzene	11.524	91	1424255	56.303	ug/l	100
68) m/p-Xylenes	11.633	106	1095099	112.344	ug/l	99
69) o-Xylene	11.957	106	511221	55.941	ug/l	98
70) Styrene	11.975	104	846571	56.235	ug/l	100
71) Bromoform	12.139	173	154772	52.738	ug/l #	99
73) Isopropylbenzene	12.261	105	1357887	55.355	ug/l	100
74) N-amyl acetate	12.072	43	293854	53.619	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	207573	51.396	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	155000m	51.569	ug/l	
77) Bromobenzene	12.536	156	309452	53.633	ug/l	99
78) n-propylbenzene	12.597	91	1635175	55.366	ug/l	100
79) 2-Chlorotoluene	12.682	91	916874	53.941	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	1107297	55.295	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	74866	52.648	ug/l	98
82) 4-Chlorotoluene	12.780	91	942352	53.982	ug/l	100
83) tert-Butylbenzene	12.999	119	989855	55.023	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	1098312	54.880	ug/l	99
85) sec-Butylbenzene	13.176	105	1442913	54.336	ug/l	100
86) p-Isopropyltoluene	13.298	119	1206855	54.372	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	606676	52.464	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	594059	51.467	ug/l	100
89) n-Butylbenzene	13.621	91	1094988	53.802	ug/l	100
90) Hexachloroethane	13.883	117	240545	51.580	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	532786	52.688	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	33149	49.036	ug/l	96
93) 1,2,4-Trichlorobenzene	14.926	180	309195	51.283	ug/l	98
94) Hexachlorobutadiene	15.029	225	180213	47.996	ug/l	98
95) Naphthalene	15.151	128	535895	52.704	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	261964	51.017	ug/l	99

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

