

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121625\
 Data File : VY023984.D
 Acq On : 16 Dec 2025 10:28
 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 17 04:22:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 04:12:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/17/2025
 Supervised By : Mahesh Dadoda 12/18/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	536448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	726445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	621538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	316621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	245284	60.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.000%			
35) Dibromofluoromethane	7.646	113	283261	65.157	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 130.320%			
50) Toluene-d8	10.115	98	1043468	66.519	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 133.040%			
62) 4-Bromofluorobenzene	12.414	95	338092	65.757	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 131.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	200558	58.270	ug/l	97
3) Chloromethane	2.080	50	243607	60.469	ug/l	97
4) Vinyl Chloride	2.220	62	311738	61.250	ug/l	96
5) Bromomethane	2.610	94	243909	53.999	ug/l	99
6) Chloroethane	2.751	64	212344	59.228	ug/l	99
7) Trichlorofluoromethane	3.074	101	494859	60.910	ug/l	97
8) Diethyl Ether	3.470	74	125032	57.591	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	291879	59.945	ug/l	98
10) Methyl Iodide	4.025	142	376566	53.412	ug/l	99
11) Tert butyl alcohol	4.884	59	57691	243.077	ug/l #	72
12) 1,1-Dichloroethene	3.805	96	278134	63.028	ug/l	95
13) Acrolein	3.665	56	106928	268.695	ug/l	96
14) Allyl chloride	4.403	41	329638	61.671	ug/l	99
15) Acrylonitrile	5.080	53	229239	271.814	ug/l	100
16) Acetone	3.885	43	284303	234.404	ug/l	100
17) Carbon Disulfide	4.128	76	747752	67.712	ug/l	100
18) Methyl Acetate	4.403	43	100857	55.076	ug/l	96
19) Methyl tert-butyl Ether	5.134	73	606274	57.827	ug/l	99
20) Methylene Chloride	4.635	84	282154	50.639	ug/l	98
21) trans-1,2-Dichloroethene	5.134	96	301875	62.948	ug/l	98
22) Diisopropyl ether	6.037	45	731982	59.297	ug/l	99
23) Vinyl Acetate	5.976	43	1965205	292.460	ug/l	98
24) 1,1-Dichloroethane	5.933	63	480144	59.777	ug/l	99
25) 2-Butanone	6.908	43	307432	247.043	ug/l	96
26) 2,2-Dichloropropane	6.902	77	468217	62.466	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	346712	61.035	ug/l	99
28) Bromochloromethane	7.262	49	144597	45.108	ug/l	97
29) Tetrahydrofuran	7.280	42	169440	268.930	ug/l	97
30) Chloroform	7.433	83	522543	58.640	ug/l	99
31) Cyclohexane	7.713	56	431517	60.806	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	501176	60.632	ug/l	99
36) 1,1-Dichloropropene	7.847	75	385044	64.620	ug/l	100
37) Ethyl Acetate	7.000	43	125285	55.543	ug/l	98
38) Carbon Tetrachloride	7.829	117	470801	63.076	ug/l	99
39) Methylcyclohexane	9.121	83	530865	66.819	ug/l	97
40) Benzene	8.091	78	1154095	63.169	ug/l	99

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41) Methacrylonitrile	7.238	41	69132	53.091	ug/l #	88
42) 1,2-Dichloroethane	8.170	62	280553	59.600	ug/l	100
43) Isopropyl Acetate	8.207	43	246733	56.548	ug/l	99
44) Trichloroethene	8.878	130	340196	63.186	ug/l	98
45) 1,2-Dichloropropane	9.152	63	250397	61.033	ug/l	99
46) Dibromomethane	9.243	93	146195	59.424	ug/l	99
47) Bromodichloromethane	9.432	83	388379	60.845	ug/l	96
48) Methyl methacrylate	9.231	41	118374	53.879	ug/l	98
49) 1,4-Dioxane	9.243	88	27641	1031.517	ug/l	94
51) 4-Methyl-2-Pentanone	10.005	43	643614	281.800	ug/l	99
52) Toluene	10.182	92	780597	61.377	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	339978	62.667	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	408214	62.805	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	199369	59.000	ug/l	97
56) Ethyl methacrylate	10.444	69	232923	46.686	ug/l	98
57) 1,3-Dichloropropane	10.725	76	319796	59.028	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	392008	248.949	ug/l	99
59) 2-Hexanone	10.768	43	467603	272.436	ug/l	99
60) Dibromochloromethane	10.920	129	286255	60.236	ug/l	100
61) 1,2-Dibromoethane	11.024	107	184670	59.021	ug/l	100
64) Tetrachloroethene	10.658	164	398655	62.513	ug/l	99
65) Chlorobenzene	11.450	112	850141	62.153	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	300415	62.229	ug/l	99
67) Ethyl Benzene	11.530	91	1459388	65.584	ug/l	99
68) m/p-Xylenes	11.633	106	1174334	131.393	ug/l	99
69) o-Xylene	11.962	106	537085	64.607	ug/l	99
70) Styrene	11.975	104	876594	65.697	ug/l	99
71) Bromoform	12.139	173	168042	58.346	ug/l	98
73) Isopropylbenzene	12.261	105	1457378	66.823	ug/l	100
74) N-amyl acetate	12.078	43	215521	51.089	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	188934	57.178	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	124020m	46.388	ug/l	
77) Bromobenzene	12.542	156	345379	63.003	ug/l	98
78) n-propylbenzene	12.603	91	1664873	66.607	ug/l	99
79) 2-Chlorotoluene	12.688	91	921532	64.403	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	1154552	67.325	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	63538	58.004	ug/l	98
82) 4-Chlorotoluene	12.785	91	945690	64.372	ug/l	99
83) tert-Butylbenzene	13.005	119	1074148	66.727	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	1123113	66.239	ug/l	100
85) sec-Butylbenzene	13.182	105	1535213	66.067	ug/l	100
86) p-Isopropyltoluene	13.298	119	1300623	66.623	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	662175	62.778	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	643097	62.123	ug/l	99
89) n-Butylbenzene	13.621	91	1128237	66.896	ug/l	99
90) Hexachloroethane	13.889	117	257986	63.298	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	561894	61.760	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	28198	58.556	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	335464	64.818	ug/l	100
94) Hexachlorobutadiene	15.029	225	223559	61.700	ug/l	100
95) Naphthalene	15.151	128	492000	54.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	271903	62.603	ug/l	99

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

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