

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023939.D
 Acq On : 11 Dec 2025 07:51
 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 12/12/2025
 Supervised By : Mahesh Dadoda 12/12/2025

Quant Time: Dec 12 03:16:10 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	547245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	774590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	666641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	349523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	245457	50.731	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.460%			
35) Dibromofluoromethane	7.640	113	253898	50.144	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.280%			
50) Toluene-d8	10.109	98	945655	50.163	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.320%			
62) 4-Bromofluorobenzene	12.408	95	315411	50.100	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	181866	47.923	ug/l	99
3) Chloromethane	2.074	50	243133	49.871	ug/l	98
4) Vinyl Chloride	2.214	62	303384	50.361	ug/l	99
5) Bromomethane	2.604	94	239039	46.606	ug/l	98
6) Chloroethane	2.745	64	205080	48.316	ug/l	99
7) Trichlorofluoromethane	3.068	101	446701	49.253	ug/l	98
8) Diethyl Ether	3.464	74	127223	51.061	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	255769	48.390	ug/l	100
10) Methyl Iodide	4.013	142	307551	47.194	ug/l	99
11) Tert butyl alcohol	4.878	59	77263	275.764	ug/l	98
12) 1,1-Dichloroethene	3.799	96	246857	49.708	ug/l	96
13) Acrolein	3.659	56	163726	365.373	ug/l	98
14) Allyl chloride	4.397	41	320378	50.418	ug/l	98
15) Acrylonitrile	5.067	53	258928	260.832	ug/l	98
16) Acetone	3.879	43	344316	279.098	ug/l	100
17) Carbon Disulfide	4.116	76	705713	53.511	ug/l	100
18) Methyl Acetate	4.397	43	113064	51.648	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	610560	51.411	ug/l	98
20) Methylene Chloride	4.628	84	256534	45.068	ug/l	98
21) trans-1,2-Dichloroethene	5.128	96	267046	48.983	ug/l	95
22) Diisopropyl ether	6.031	45	723777	50.021	ug/l	98
23) Vinyl Acetate	5.970	43	2126500	264.500	ug/l	99
24) 1,1-Dichloroethane	5.927	63	437391	48.498	ug/l	99
25) 2-Butanone	6.902	43	387186	258.941	ug/l	98
26) 2,2-Dichloropropane	6.896	77	412872	49.029	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	310299	49.581	ug/l	99
28) Bromochloromethane	7.250	49	186689	54.946	ug/l	100
29) Tetrahydrofuran	7.268	42	210977	276.662	ug/l	99
30) Chloroform	7.427	83	471810	47.892	ug/l	99
31) Cyclohexane	7.707	56	409171	49.311	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	441234	48.298	ug/l	99
36) 1,1-Dichloropropene	7.841	75	347767	50.449	ug/l	100
37) Ethyl Acetate	6.994	43	147592	52.579	ug/l	98
38) Carbon Tetrachloride	7.823	117	413133	49.445	ug/l	99
39) Methylcyclohexane	9.116	83	476438	51.732	ug/l	100
40) Benzene	8.085	78	1043011	49.686	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	70637	45.742	ug/l	90
42) 1,2-Dichloroethane	8.164	62	274440	49.854	ug/l	100
43) Isopropyl Acetate	8.201	43	285491	54.002	ug/l	99
44) Trichloroethene	8.872	130	296808	48.763	ug/l	98
45) 1,2-Dichloropropane	9.146	63	231977	48.979	ug/l	99
46) Dibromomethane	9.237	93	143990	51.617	ug/l	99
47) Bromodichloromethane	9.426	83	363050	49.472	ug/l	99
48) Methyl methacrylate	9.225	41	136321	55.390	ug/l	99
49) 1,4-Dioxane	9.237	88	33831	1087.841	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	782166	279.237	ug/l	99
52) Toluene	10.176	92	694441	49.993	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	327710	51.676	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	381432	51.042	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	191596	49.902	ug/l	99
56) Ethyl methacrylate	10.445	69	252199	55.408	ug/l	98
57) 1,3-Dichloropropane	10.719	76	316268	50.931	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	472866	239.837	ug/l	100
59) 2-Hexanone	10.762	43	586733	275.992	ug/l	99
60) Dibromochloromethane	10.914	129	271588	51.091	ug/l	100
61) 1,2-Dibromoethane	11.018	107	181908	51.129	ug/l	99
64) Tetrachloroethene	10.652	164	350138	48.891	ug/l	99
65) Chlorobenzene	11.444	112	761552	49.300	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	265408	48.991	ug/l	99
67) Ethyl Benzene	11.524	91	1309027	50.577	ug/l	100
68) m/p-Xylenes	11.633	106	1040226	101.245	ug/l	100
69) o-Xylene	11.956	106	486128	50.579	ug/l	99
70) Styrene	11.975	104	799920	51.518	ug/l	100
71) Bromoform	12.139	173	167499	52.463	ug/l #	98
73) Isopropylbenzene	12.255	105	1287243	50.394	ug/l	99
74) N-amyl acetate	12.072	43	258851	57.131	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	203052	52.206	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	145173m	49.101	ug/l	
77) Bromobenzene	12.536	156	313656	49.488	ug/l	99
78) n-propylbenzene	12.597	91	1502276	50.549	ug/l	99
79) 2-Chlorotoluene	12.682	91	842406	49.900	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1028931	50.491	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	69228	53.298	ug/l	98
82) 4-Chlorotoluene	12.779	91	864973	49.771	ug/l	100
83) tert-Butylbenzene	12.999	119	942605	50.062	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	1024814	50.765	ug/l	100
85) sec-Butylbenzene	13.176	105	1372847	49.983	ug/l	100
86) p-Isopropyltoluene	13.298	119	1168841	50.275	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	607461	49.354	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	591686	48.768	ug/l	100
89) n-Butylbenzene	13.621	91	1026505	50.467	ug/l	100
90) Hexachloroethane	13.883	117	230267	48.537	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	529210	49.625	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	31846	52.882	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	325867	51.992	ug/l	100
94) Hexachlorobutadiene	15.029	225	203979	49.650	ug/l	99
95) Naphthalene	15.145	128	550140	56.766	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	279393	52.384	ug/l	100

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

