

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023898.D
 Acq On : 09 Dec 2025 09:31
 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 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 02:22:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	539362	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	767358	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	656122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	330824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	226861	42.046	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.100%		
35) Dibromofluoromethane	7.652	113	239660	48.695	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.400%		
50) Toluene-d8	10.115	98	881945	46.050	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.100%		
62) 4-Bromofluorobenzene	12.414	95	294495	45.083	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	199051	48.792	ug/l	99
3) Chloromethane	2.080	50	276263	47.472	ug/l	97
4) Vinyl Chloride	2.214	62	321733	48.467	ug/l	99
5) Bromomethane	2.610	94	275836	57.550	ug/l	99
6) Chloroethane	2.751	64	221768	49.276	ug/l	99
7) Trichlorofluoromethane	3.074	101	473369	51.001	ug/l	94
8) Diethyl Ether	3.470	74	135243	48.637	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.836	101	278265	50.038	ug/l	96
10) Methyl Iodide	4.025	142	359734	57.931	ug/l	98
11) Tert butyl alcohol	4.909	59	71807	181.677	ug/l #	88
12) 1,1-Dichloroethene	3.811	96	268060	51.590	ug/l	87
13) Acrolein	3.671	56	56430	167.525	ug/l	95
14) Allyl chloride	4.409	41	344947	41.523	ug/l	92
15) Acrylonitrile	5.080	53	265323	219.233	ug/l	99
16) Acetone	3.891	43	376662	232.968	ug/l	95
17) Carbon Disulfide	4.128	76	781847	50.928	ug/l	100
18) Methyl Acetate	4.403	43	117761	42.941	ug/l	93
19) Methyl tert-butyl Ether	5.141	73	660864	50.633	ug/l	95
20) Methylene Chloride	4.635	84	283030	48.546	ug/l	92
21) trans-1,2-Dichloroethene	5.134	96	297688	51.927	ug/l	88
22) Diisopropyl ether	6.037	45	784648	42.897	ug/l #	93
23) Vinyl Acetate	5.982	43	2221462	219.095	ug/l #	94
24) 1,1-Dichloroethane	5.939	63	477525	45.183	ug/l	97
25) 2-Butanone	6.915	43	408827	209.757	ug/l #	89
26) 2,2-Dichloropropane	6.909	77	449823	46.439	ug/l	98
27) cis-1,2-Dichloroethene	6.909	96	338328	50.824	ug/l	91
28) Bromochloromethane	7.262	49	166242	41.168	ug/l #	76
29) Tetrahydrofuran	7.280	42	211398	209.723	ug/l	89
30) Chloroform	7.439	83	518364	48.538	ug/l	99
31) Cyclohexane	7.719	56	431704	42.722	ug/l	90
32) 1,1,1-Trichloroethane	7.634	97	484866	50.295	ug/l	98
36) 1,1-Dichloropropene	7.853	75	377117	51.965	ug/l	97
37) Ethyl Acetate	7.000	43	152375	45.470	ug/l	96
38) Carbon Tetrachloride	7.835	117	452477	56.493	ug/l	99
39) Methylcyclohexane	9.122	83	515286	54.548	ug/l	95
40) Benzene	8.097	78	1135521	51.766	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	74064	42.875	ug/l #	91
42) 1,2-Dichloroethane	8.170	62	294775	51.498	ug/l	98
43) Isopropyl Acetate	8.213	43	291116	46.430	ug/l	96
44) Trichloroethene	8.878	130	329088	58.306	ug/l	96
45) 1,2-Dichloropropane	9.152	63	252496	48.615	ug/l	99
46) Dibromomethane	9.243	93	153844	54.712	ug/l	92
47) Bromodichloromethane	9.432	83	393284	53.014	ug/l	98
48) Methyl methacrylate	9.231	41	142108	48.515	ug/l	90
49) 1,4-Dioxane	9.250	88	31086	994.262	ug/l #	96
51) 4-Methyl-2-Pentanone	10.012	43	786717	238.618	ug/l	96
52) Toluene	10.182	92	750359	54.625	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	356260	53.209	ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	415056	52.642	ug/l	97
55) 1,1,2-Trichloroethane	10.585	97	208921	55.042	ug/l	95
56) Ethyl methacrylate	10.451	69	262112	47.525	ug/l	94
57) 1,3-Dichloropropane	10.725	76	340016	52.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	523783	219.295	ug/l	93
59) 2-Hexanone	10.768	43	606387	243.864	ug/l	95
60) Dibromochloromethane	10.920	129	289832	56.945	ug/l	98
61) 1,2-Dibromoethane	11.024	107	195760	56.591	ug/l	98
64) Tetrachloroethene	10.658	164	390281	60.784	ug/l	97
65) Chlorobenzene	11.450	112	831929	55.552	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	292783	57.301	ug/l	99
67) Ethyl Benzene	11.530	91	1417221	54.740	ug/l	98
68) m/p-Xylenes	11.639	106	1123033	113.488	ug/l	95
69) o-Xylene	11.962	106	528655	57.117	ug/l	96
70) Styrene	11.975	104	854570	56.010	ug/l	98
71) Bromoform	12.139	173	176275	61.057	ug/l #	100
73) Isopropylbenzene	12.261	105	1377460	56.513	ug/l	98
74) N-amyl acetate	12.078	43	248108	46.968	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	208142	52.928	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	167889m	51.190	ug/l	
77) Bromobenzene	12.542	156	338282	59.759	ug/l	89
78) n-propylbenzene	12.603	91	1579157	53.691	ug/l	97
79) 2-Chlorotoluene	12.688	91	888309	53.180	ug/l	96
80) 1,3,5-Trimethylbenzene	12.743	105	1102395	55.663	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	71514	52.225	ug/l	98
82) 4-Chlorotoluene	12.785	91	921212	53.195	ug/l	96
83) tert-Butylbenzene	13.005	119	1005343	56.307	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	1081122	55.103	ug/l	96
85) sec-Butylbenzene	13.182	105	1436764	54.096	ug/l	97
86) p-Isopropyltoluene	13.298	119	1227881	55.836	ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	635110	55.689	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	624572	55.843	ug/l	98
89) n-Butylbenzene	13.621	91	1059026	52.031	ug/l	98
90) Hexachloroethane	13.889	117	244002	52.890	ug/l	90
91) 1,2-Dichlorobenzene	13.663	146	551267	55.574	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	31418	50.811	ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	321491	54.665	ug/l	99
94) Hexachlorobutadiene	15.029	225	204538	55.433	ug/l	98
95) Naphthalene	15.151	128	516524	53.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	267239	53.249	ug/l	99

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

