

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023702.D
 Acq On : 06 Nov 2025 15:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 07 04:17:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	549955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	823659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	730032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	372662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	229754	48.976	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.960%		
35) Dibromofluoromethane	7.634	113	249689	48.509	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.020%		
50) Toluene-d8	10.103	98	955270	49.821	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.640%		
62) 4-Bromofluorobenzene	12.402	95	314786	50.766	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	150135	41.588	ug/l	100
3) Chloromethane	2.074	50	232351	45.994	ug/l	100
4) Vinyl Chloride	2.208	62	294054	44.733	ug/l	99
5) Bromomethane	2.598	94	235552	42.599	ug/l	100
6) Chloroethane	2.739	64	209243	46.055	ug/l	98
7) Trichlorofluoromethane	3.062	101	425845	45.997	ug/l	99
8) Diethyl Ether	3.458	74	123006	49.545	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	243360	47.710	ug/l	99
10) Methyl Iodide	4.007	142	303740	50.427	ug/l	100
11) Tert butyl alcohol	4.854	59	71358	235.902	ug/l	96
12) 1,1-Dichloroethene	3.793	96	237769	48.390	ug/l	99
13) Acrolein	3.653	56	75606	194.462	ug/l	100
14) Allyl chloride	4.385	41	313415	52.403	ug/l	97
15) Acrylonitrile	5.061	53	251751	265.339	ug/l	99
16) Acetone	3.866	43	270668	232.117	ug/l	95
17) Carbon Disulfide	4.110	76	731426	48.500	ug/l	99
18) Methyl Acetate	4.385	43	117204	45.569	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	592757	52.025	ug/l	100
20) Methylene Chloride	4.622	84	288349	51.223	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	273049	49.285	ug/l	93
22) Diisopropyl ether	6.025	45	723772	54.310	ug/l	98
23) Vinyl Acetate	5.964	43	1994360	280.433	ug/l	99
24) 1,1-Dichloroethane	5.921	63	448782	50.549	ug/l	99
25) 2-Butanone	6.896	43	331213	245.669	ug/l	97
26) 2,2-Dichloropropane	6.890	77	396680	48.573	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	318198	50.288	ug/l	98
28) Bromochloromethane	7.250	49	173662	51.086	ug/l	97
29) Tetrahydrofuran	7.262	42	195629	272.459	ug/l	97
30) Chloroform	7.421	83	496218	50.094	ug/l	99
31) Cyclohexane	7.701	56	387160	50.075	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	441022	49.814	ug/l	99
36) 1,1-Dichloropropene	7.835	75	345146	50.180	ug/l	99
37) Ethyl Acetate	6.982	43	142239	53.420	ug/l	98
38) Carbon Tetrachloride	7.823	117	399848	49.339	ug/l	97
39) Methylcyclohexane	9.109	83	449193	51.112	ug/l	97
40) Benzene	8.079	78	1087832	50.176	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	78358	53.913	ug/l	95
42) 1,2-Dichloroethane	8.158	62	273648	49.890	ug/l	100
43) Isopropyl Acetate	8.201	43	265729	53.115	ug/l	99
44) Trichloroethene	8.866	130	301303	48.386	ug/l	99
45) 1,2-Dichloropropane	9.140	63	244696	51.139	ug/l	100
46) Dibromomethane	9.231	93	148404	50.056	ug/l	98
47) Bromodichloromethane	9.420	83	379383	50.755	ug/l	97
48) Methyl methacrylate	9.219	41	126668	53.589	ug/l	99
49) 1,4-Dioxane	9.231	88	32155	1059.791	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	708526	266.305	ug/l	100
52) Toluene	10.170	92	717437	51.832	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	330274	52.219	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	391784	51.702	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	200645	50.642	ug/l	99
56) Ethyl methacrylate	10.438	69	243670	55.819	ug/l	99
57) 1,3-Dichloropropane	10.719	76	322852	51.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	547645	273.390	ug/l	98
59) 2-Hexanone	10.762	43	502304	258.774	ug/l	99
60) Dibromochloromethane	10.914	129	273169	50.179	ug/l	100
61) 1,2-Dibromoethane	11.012	107	187326	50.379	ug/l	99
64) Tetrachloroethene	10.646	164	369236	48.593	ug/l	99
65) Chlorobenzene	11.438	112	772025	48.577	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	274989	48.932	ug/l	99
67) Ethyl Benzene	11.518	91	1328475	51.648	ug/l	98
68) m/p-Xylenes	11.627	106	1053184	102.481	ug/l	98
69) o-Xylene	11.950	106	495556	52.165	ug/l	98
70) Styrene	11.969	104	828151	52.835	ug/l	99
71) Bromoform	12.133	173	164691	50.177	ug/l #	99
73) Isopropylbenzene	12.255	105	1285108	51.560	ug/l	99
74) N-amyl acetate	12.066	43	224364	53.169	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	198755	49.929	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	146137m	48.454	ug/l	
77) Bromobenzene	12.530	156	320580	49.586	ug/l	97
78) n-propylbenzene	12.591	91	1521076	51.883	ug/l	99
79) 2-Chlorotoluene	12.676	91	875514	51.463	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1052552	51.976	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	66189	49.597	ug/l	99
82) 4-Chlorotoluene	12.773	91	886815	50.545	ug/l	99
83) tert-Butylbenzene	12.993	119	954002	51.724	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1046344	52.167	ug/l	100
85) sec-Butylbenzene	13.176	105	1358711	51.075	ug/l	100
86) p-Isopropyltoluene	13.292	119	1160313	51.523	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	618569	48.611	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	593431	47.476	ug/l	99
89) n-Butylbenzene	13.615	91	1005248	51.333	ug/l	99
90) Hexachloroethane	13.877	117	236134	48.792	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	536121	48.889	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	29098	47.475	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	303644	48.409	ug/l	99
94) Hexachlorobutadiene	15.023	225	190511	46.355	ug/l	99
95) Naphthalene	15.145	128	482347	44.619	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	258242	49.277	ug/l	100

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

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