

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
 Data File : VY023355.D
 Acq On : 12 Sep 2025 08:57
 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 :Mahesh Dadoda 09/15/2025
 Supervised By :Semsettin Yesilyurt 09/15/2025

Quant Time: Sep 12 23:56:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	514783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	754293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	675005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	351902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	209870	46.396	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.800%		
35) Dibromofluoromethane	7.634	113	228490	49.556	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.120%		
50) Toluene-d8	10.109	98	888489	51.032	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.060%		
62) 4-Bromofluorobenzene	12.408	95	282005	51.470	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	171075	41.423	ug/l	98
3) Chloromethane	2.074	50	263686	44.619	ug/l	98
4) Vinyl Chloride	2.208	62	343562	46.146	ug/l	99
5) Bromomethane	2.598	94	279134	45.917	ug/l	99
6) Chloroethane	2.739	64	236797	47.000	ug/l	98
7) Trichlorofluoromethane	3.056	101	446370	47.502	ug/l	99
8) Diethyl Ether	3.458	74	113461	45.633	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	228134	45.144	ug/l	96
10) Methyl Iodide	4.001	142	279990	47.496	ug/l	99
11) Tert butyl alcohol	4.860	59	55408	211.989	ug/l	99
12) 1,1-Dichloroethene	3.787	96	223115	45.895	ug/l	93
13) Acrolein	3.653	56	64755	146.546	ug/l	98
14) Allyl chloride	4.385	41	274928	44.769	ug/l	96
15) Acrylonitrile	5.061	53	214064	218.701	ug/l	99
16) Acetone	3.866	43	261135	253.438	ug/l	99
17) Carbon Disulfide	4.104	76	688299	44.720	ug/l	99
18) Methyl Acetate	4.385	43	110545	43.737	ug/l	93
19) Methyl tert-butyl Ether	5.122	73	530839	46.440	ug/l	98
20) Methylene Chloride	4.616	84	251783	45.674	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	257748	47.452	ug/l	94
22) Diisopropyl ether	6.019	45	638114	46.658	ug/l	96
23) Vinyl Acetate	5.958	43	1720726	227.583	ug/l	96
24) 1,1-Dichloroethane	5.915	63	412148	46.074	ug/l	98
25) 2-Butanone	6.890	43	299031	235.800	ug/l	95
26) 2,2-Dichloropropane	6.884	77	375635	47.558	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	294122	47.817	ug/l	93
28) Bromochloromethane	7.244	49	146123	41.514	ug/l	83
29) Tetrahydrofuran	7.262	42	163600	217.496	ug/l	92
30) Chloroform	7.421	83	451325	46.957	ug/l	97
31) Cyclohexane	7.701	56	344024	43.460	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	406331	47.318	ug/l	98
36) 1,1-Dichloropropene	7.835	75	316799	48.241	ug/l	98
37) Ethyl Acetate	6.988	43	118181	45.240	ug/l	97
38) Carbon Tetrachloride	7.817	117	365616	48.385	ug/l	98
39) Methylcyclohexane	9.109	83	409822	48.782	ug/l	94
40) Benzene	8.079	78	998726	48.928	ug/l	100

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41) Methacrylonitrile	7.220	41	67890	50.185	ug/l	97
42) 1,2-Dichloroethane	8.158	62	243262	46.809	ug/l	98
43) Isopropyl Acetate	8.195	43	229307	45.131	ug/l #	81
44) Trichloroethene	8.866	130	281636	49.536	ug/l	100
45) 1,2-Dichloropropane	9.140	63	223206	48.419	ug/l	99
46) Dibromomethane	9.231	93	133609	47.592	ug/l	95
47) Bromodichloromethane	9.420	83	344182	48.732	ug/l	99
48) Methyl methacrylate	9.219	41	108938	45.999	ug/l	90
49) 1,4-Dioxane	9.225	88	27234	955.645	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	614426	236.372	ug/l	96
52) Toluene	10.170	92	656937	50.715	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	299546	49.261	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	356407	49.052	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	181099	48.494	ug/l	98
56) Ethyl methacrylate	10.438	69	216700	50.086	ug/l	95
57) 1,3-Dichloropropane	10.719	76	290734	47.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	483667	256.492	ug/l	94
59) 2-Hexanone	10.762	43	448796	249.751	ug/l	98
60) Dibromochloromethane	10.908	129	250206	49.380	ug/l	100
61) 1,2-Dibromoethane	11.012	107	171872	49.115	ug/l	98
64) Tetrachloroethene	10.646	164	354737	52.729	ug/l	98
65) Chlorobenzene	11.444	112	719508	48.656	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	253995	48.935	ug/l	98
67) Ethyl Benzene	11.518	91	1216089	50.338	ug/l	97
68) m/p-Xylenes	11.627	106	991860	102.532	ug/l	95
69) o-Xylene	11.956	106	453209	50.609	ug/l	99
70) Styrene	11.969	104	763126	51.418	ug/l	98
71) Bromoform	12.133	173	150154	48.578	ug/l	99
73) Isopropylbenzene	12.255	105	1185246	50.002	ug/l	99
74) N-amyl acetate	12.072	43	206868	46.170	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	176047	44.252	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	164846m	46.257	ug/l	
77) Bromobenzene	12.530	156	295123	48.733	ug/l	91
78) n-propylbenzene	12.590	91	1390886	49.784	ug/l	98
79) 2-Chlorotoluene	12.676	91	788026	48.971	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	965867	50.099	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	60697	46.448	ug/l	98
82) 4-Chlorotoluene	12.779	91	817292	48.540	ug/l	97
83) tert-Butylbenzene	12.999	119	873871	50.047	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	975734	51.160	ug/l	100
85) sec-Butylbenzene	13.176	105	1269247	49.960	ug/l	98
86) p-Isopropyltoluene	13.292	119	1085100	50.564	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	582604	48.617	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	566763	47.749	ug/l	98
89) n-Butylbenzene	13.615	91	950237	49.928	ug/l	99
90) Hexachloroethane	13.877	117	221142	47.532	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	506489	48.475	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	27800	44.535	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	299630	49.163	ug/l	98
94) Hexachlorobutadiene	15.023	225	186185	49.408	ug/l	99
95) Naphthalene	15.145	128	483768	49.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	258940	48.921	ug/l	99

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

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