

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023596.D
 Acq On : 27 Oct 2025 15:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/28/2025
 Supervised By :Mahesh Dadoda 10/28/2025

Quant Time: Oct 28 04:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	477939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	697075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	619120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	331971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	185535	46.423	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.840%		
35) Dibromofluoromethane	7.634	113	213948	49.951	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.900%		
50) Toluene-d8	10.109	98	797179	49.977	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.960%		
62) 4-Bromofluorobenzene	12.408	95	264465	50.219	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	132002	38.371	ug/l	99
3) Chloromethane	2.074	50	186302	39.754	ug/l	98
4) Vinyl Chloride	2.208	62	252433	41.355	ug/l	99
5) Bromomethane	2.605	94	211901	41.368	ug/l	99
6) Chloroethane	2.739	64	186562	44.838	ug/l	99
7) Trichlorofluoromethane	3.062	101	368416	43.470	ug/l	98
8) Diethyl Ether	3.458	74	97963	44.235	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	207934	47.280	ug/l	99
10) Methyl Iodide	4.007	142	257298	52.552	ug/l	99
11) Tert butyl alcohol	4.860	59	49243	165.621	ug/l	98
12) 1,1-Dichloroethene	3.793	96	195203	45.787	ug/l	95
13) Acrolein	3.653	56	21246	50.571	ug/l	100
14) Allyl chloride	4.385	41	239588	46.112	ug/l	98
15) Acrylonitrile	5.061	53	189491	223.582	ug/l	100
16) Acetone	3.866	43	188278	197.883	ug/l	99
17) Carbon Disulfide	4.110	76	519733	42.594	ug/l	100
18) Methyl Acetate	4.385	43	120541	48.296	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	474417	46.300	ug/l	98
20) Methylene Chloride	4.616	84	225855	43.898	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	228217	48.621	ug/l	99
22) Diisopropyl ether	6.025	45	560866	48.801	ug/l	99
23) Vinyl Acetate	5.964	43	1400102	225.065	ug/l	100
24) 1,1-Dichloroethane	5.915	63	372942	48.987	ug/l	99
25) 2-Butanone	6.896	43	231210	199.047	ug/l	96
26) 2,2-Dichloropropane	6.890	77	338936	48.519	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	270727	49.932	ug/l	97
28) Bromochloromethane	7.250	49	127848	44.984	ug/l	99
29) Tetrahydrofuran	7.262	42	136012	206.485	ug/l	97
30) Chloroform	7.421	83	422764	50.543	ug/l	97
31) Cyclohexane	7.707	56	289171	43.495	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	372113	48.954	ug/l	99
36) 1,1-Dichloropropene	7.835	75	278613	49.134	ug/l	99
37) Ethyl Acetate	6.988	43	100336	44.663	ug/l	99
38) Carbon Tetrachloride	7.823	117	335922	48.856	ug/l	98
39) Methylcyclohexane	9.109	83	352233	47.708	ug/l	98
40) Benzene	8.085	78	902556	50.259	ug/l	99

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41) Methacrylonitrile	7.226	41	55609	45.769	ug/l	94
42) 1,2-Dichloroethane	8.158	62	223240	48.202	ug/l	100
43) Isopropyl Acetate	8.201	43	196384	43.840	ug/l	99
44) Trichloroethene	8.866	130	260993	49.655	ug/l	99
45) 1,2-Dichloropropane	9.140	63	200148	50.460	ug/l	99
46) Dibromomethane	9.231	93	124187	49.514	ug/l	98
47) Bromodichloromethane	9.426	83	318811	50.470	ug/l	99
48) Methyl methacrylate	9.225	41	92052	43.741	ug/l	94
49) 1,4-Dioxane	9.231	88	25405	873.626	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	523283	226.095	ug/l	100
52) Toluene	10.170	92	597956	51.283	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	265174	48.279	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	321438	49.585	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	164197	48.683	ug/l	94
56) Ethyl methacrylate	10.438	69	189454	48.696	ug/l	97
57) 1,3-Dichloropropane	10.719	76	262590	49.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	455833	261.540	ug/l	100
59) 2-Hexanone	10.762	43	355315	214.822	ug/l	100
60) Dibromochloromethane	10.914	129	235313	49.762	ug/l	100
61) 1,2-Dibromoethane	11.018	107	153590	47.749	ug/l	100
64) Tetrachloroethene	10.646	164	323398	50.589	ug/l	97
65) Chlorobenzene	11.444	112	670721	49.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	241097	50.244	ug/l	99
67) Ethyl Benzene	11.518	91	1113942	51.106	ug/l	99
68) m/p-Xylenes	11.627	106	897628	102.673	ug/l	99
69) o-Xylene	11.957	106	419645	51.175	ug/l	100
70) Styrene	11.969	104	694816	51.525	ug/l	99
71) Bromoform	12.133	173	139728	46.944	ug/l	99
73) Isopropylbenzene	12.255	105	1110852	50.776	ug/l	99
74) N-amyl acetate	12.072	43	166309	42.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	160011	44.719	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	120217m	41.046	ug/l	
77) Bromobenzene	12.530	156	277604	47.730	ug/l	99
78) n-propylbenzene	12.597	91	1280756	50.590	ug/l	100
79) 2-Chlorotoluene	12.676	91	733038	49.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	904143	51.144	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	50529	42.305	ug/l	99
82) 4-Chlorotoluene	12.773	91	757278	49.598	ug/l	100
83) tert-Butylbenzene	12.999	119	827111	50.672	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	899395	50.977	ug/l	98
85) sec-Butylbenzene	13.176	105	1193749	50.983	ug/l	100
86) p-Isopropyltoluene	13.292	119	1020500	51.189	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	543843	48.018	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	527394	47.149	ug/l	99
89) n-Butylbenzene	13.615	91	875982	50.429	ug/l	99
90) Hexachloroethane	13.877	117	210738	49.148	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	476150	47.953	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	24483	41.701	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	286080	46.214	ug/l	100
94) Hexachlorobutadiene	15.023	225	184183	47.731	ug/l	98
95) Naphthalene	15.145	128	425692	43.185	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	243238	45.364	ug/l	99

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

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