

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023393.D
 Acq On : 08 Oct 2025 08:56
 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 10/10/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 03:05:24 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	7.707	168	583858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	869513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	759550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	398157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	238818	48.915	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.820%
35) Dibromofluoromethane	7.634	113	261995	49.038	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.080%
50) Toluene-d8	10.103	98	963220	48.411	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.820%
62) 4-Bromofluorobenzene	12.402	95	320131	48.734	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	183727	43.718	ug/l	97
3) Chloromethane	2.068	50	271363	47.400	ug/l	100
4) Vinyl Chloride	2.202	62	350617	47.020	ug/l	100
5) Bromomethane	2.599	94	290261	46.385	ug/l	98
6) Chloroethane	2.739	64	246963	48.587	ug/l	100
7) Trichlorofluoromethane	3.056	101	477067	46.078	ug/l	96
8) Diethyl Ether	3.458	74	131500	48.606	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	252042	46.912	ug/l	98
10) Methyl Iodide	4.007	142	315119	52.686	ug/l	99
11) Tert butyl alcohol	4.860	59	80378	221.296	ug/l	99
12) 1,1-Dichloroethene	3.787	96	249794	47.962	ug/l	95
13) Acrolein	3.653	56	118808	231.490	ug/l	98
14) Allyl chloride	4.385	41	312670	49.261	ug/l	99
15) Acrylonitrile	5.055	53	253526	244.870	ug/l	98
16) Acetone	3.867	43	296363	254.975	ug/l	98
17) Carbon Disulfide	4.104	76	714722	47.948	ug/l	100
18) Methyl Acetate	4.385	43	153333	50.289	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	642280	51.311	ug/l	97
20) Methylene Chloride	4.616	84	286862	45.641	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	279608	48.763	ug/l	97
22) Diisopropyl ether	6.019	45	705503	50.250	ug/l	99
23) Vinyl Acetate	5.958	43	1922527	252.980	ug/l	98
24) 1,1-Dichloroethane	5.915	63	453280	48.739	ug/l	97
25) 2-Butanone	6.890	43	340521	239.970	ug/l	99
26) 2,2-Dichloropropane	6.890	77	420988	49.332	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	334733	50.537	ug/l	98
28) Bromochloromethane	7.244	49	156523	45.083	ug/l	99
29) Tetrahydrofuran	7.262	42	194671	241.924	ug/l	99
30) Chloroform	7.421	83	499930	48.926	ug/l	100
31) Cyclohexane	7.701	56	371557	45.748	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	452096	48.687	ug/l	100
36) 1,1-Dichloropropene	7.835	75	342704	48.451	ug/l	99
37) Ethyl Acetate	6.982	43	134630	48.044	ug/l	98
38) Carbon Tetrachloride	7.817	117	412062	48.044	ug/l	98
39) Methylcyclohexane	9.110	83	450172	48.881	ug/l	98
40) Benzene	8.079	78	1094534	48.862	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	70730	46.669	ug/l	97
42) 1,2-Dichloroethane	8.158	62	276992	47.947	ug/l	99
43) Isopropyl Acetate	8.195	43	271512	48.591	ug/l	100
44) Trichloroethene	8.866	130	311302	47.481	ug/l	98
45) 1,2-Dichloropropane	9.140	63	244296	49.376	ug/l	99
46) Dibromomethane	9.231	93	152597	48.775	ug/l	99
47) Bromodichloromethane	9.420	83	385585	48.935	ug/l	99
48) Methyl methacrylate	9.219	41	127683	48.640	ug/l	96
49) 1,4-Dioxane	9.225	88	35564	980.438	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	726488	251.644	ug/l	99
52) Toluene	10.170	92	721922	49.636	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	343854	50.188	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	408406	50.507	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	207255	49.263	ug/l	95
56) Ethyl methacrylate	10.439	69	252925	52.117	ug/l	99
57) 1,3-Dichloropropane	10.719	76	329960	49.494	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	579993	266.784	ug/l	100
59) 2-Hexanone	10.762	43	520555	252.310	ug/l	99
60) Dibromochloromethane	10.908	129	292099	49.521	ug/l	100
61) 1,2-Dibromoethane	11.012	107	200200	49.896	ug/l	99
64) Tetrachloroethene	10.646	164	354576	45.211	ug/l	98
65) Chlorobenzene	11.438	112	821716	49.741	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	291198	49.465	ug/l	99
67) Ethyl Benzene	11.518	91	1341582	50.170	ug/l	99
68) m/p-Xylenes	11.627	106	1086484	101.299	ug/l	99
69) o-Xylene	11.950	106	512638	50.957	ug/l	99
70) Styrene	11.969	104	855247	51.696	ug/l	100
71) Bromoform	12.133	173	180677	49.479	ug/l #	99
73) Isopropylbenzene	12.255	105	1313693	50.066	ug/l	100
74) N-amyl acetate	12.066	43	237557	50.405	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	217564	50.696	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	150768m	42.920	ug/l	
77) Bromobenzene	12.530	156	342573	49.110	ug/l	100
78) n-propylbenzene	12.591	91	1538035	50.653	ug/l	100
79) 2-Chlorotoluene	12.676	91	880787	49.535	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1087892	51.308	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	70340	49.102	ug/l	99
82) 4-Chlorotoluene	12.774	91	906427	49.498	ug/l	99
83) tert-Butylbenzene	12.993	119	1014465	51.819	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1080389	51.057	ug/l	100
85) sec-Butylbenzene	13.176	105	1405332	50.042	ug/l	100
86) p-Isopropyltoluene	13.292	119	1222639	51.134	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	662694	48.785	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	655316	48.846	ug/l	99
89) n-Butylbenzene	13.615	91	1063907	51.066	ug/l	99
90) Hexachloroethane	13.877	117	252025	49.006	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	586550	49.252	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	33953	48.217	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	373487	50.305	ug/l	99
94) Hexachlorobutadiene	15.023	225	226854	49.016	ug/l	100
95) Naphthalene	15.139	128	599122	50.675	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	319976	49.756	ug/l	100

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

