

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
 Data File : VY023357.D
 Acq On : 12 Sep 2025 10:08
 Operator : SY/MD
 Sample : VY0912SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0912SBS01

Quant Time: Sep 12 23:57:57 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/15/2025
 Supervised By :Semsettin Yesilyurt 09/15/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	491381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	754652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	670373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	351428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	213008	49.332	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.660%		
35) Dibromofluoromethane	7.634	113	231843	50.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.520%		
50) Toluene-d8	10.103	98	886366	50.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.780%		
62) 4-Bromofluorobenzene	12.402	95	281954	51.436	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	81962	20.791	ug/l	99
3) Chloromethane	2.074	50	118016	20.921	ug/l	97
4) Vinyl Chloride	2.208	62	151407	21.305	ug/l	99
5) Bromomethane	2.592	94	132728	22.873	ug/l	97
6) Chloroethane	2.733	64	103845	21.593	ug/l	97
7) Trichlorofluoromethane	3.056	101	196625	21.921	ug/l	99
8) Diethyl Ether	3.458	74	49016	20.653	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.812	101	97626	20.239	ug/l	96
10) Methyl Iodide	4.007	142	99054	17.603	ug/l	98
11) Tert butyl alcohol	4.854	59	25802	103.419	ug/l #	85
12) 1,1-Dichloroethene	3.787	96	92977	20.036	ug/l	87
13) Acrolein	3.647	56	36054	85.479	ug/l	96
14) Allyl chloride	4.385	41	113610	19.381	ug/l	95
15) Acrylonitrile	5.055	53	91420	97.848	ug/l	100
16) Acetone	3.866	43	103284	105.014	ug/l	100
17) Carbon Disulfide	4.104	76	292343	19.899	ug/l	99
18) Methyl Acetate	4.385	43	49695	20.598	ug/l	93
19) Methyl tert-butyl Ether	5.116	73	218654	20.040	ug/l	98
20) Methylene Chloride	4.616	84	109775	20.862	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	107527	20.739	ug/l	92
22) Diisopropyl ether	6.019	45	262686	20.122	ug/l	93
23) Vinyl Acetate	5.964	43	694683	96.254	ug/l	96
24) 1,1-Dichloroethane	5.921	63	173883	20.364	ug/l	97
25) 2-Butanone	6.896	43	123225	101.796	ug/l	95
26) 2,2-Dichloropropane	6.884	77	155101	20.572	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	123016	20.952	ug/l	92
28) Bromochloromethane	7.244	49	67552	20.106	ug/l	85
29) Tetrahydrofuran	7.262	42	68271	95.085	ug/l	93
30) Chloroform	7.421	83	191357	20.857	ug/l	96
31) Cyclohexane	7.701	56	146168	19.345	ug/l	91
32) 1,1,1-Trichloroethane	7.616	97	167801	20.471	ug/l	99
36) 1,1-Dichloropropene	7.835	75	131597	20.030	ug/l	97
37) Ethyl Acetate	6.988	43	49784	19.048	ug/l	97
38) Carbon Tetrachloride	7.817	117	152901	20.225	ug/l	97
39) Methylcyclohexane	9.109	83	164885	19.617	ug/l	97
40) Benzene	8.079	78	419404	20.537	ug/l	98

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41) Methacrylonitrile	7.220	41	26768m	19.778	ug/l	
42) 1,2-Dichloroethane	8.158	62	105380	20.268	ug/l	100
43) Isopropyl Acetate	8.201	43	95683	18.823	ug/l	94
44) Trichloroethene	8.866	130	116626	20.503	ug/l	97
45) 1,2-Dichloropropane	9.140	63	93863	20.351	ug/l	99
46) Dibromomethane	9.231	93	56951	20.276	ug/l	97
47) Bromodichloromethane	9.426	83	144208	20.408	ug/l	98
48) Methyl methacrylate	9.225	41	45131	19.048	ug/l	91
49) 1,4-Dioxane	9.231	88	12258	429.930	ug/l #	88
51) 4-Methyl-2-Pentanone	10.000	43	252287	97.009	ug/l	97
52) Toluene	10.170	92	270082	20.840	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	122372	20.115	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	147593	20.303	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	76265	20.412	ug/l	98
56) Ethyl methacrylate	10.438	69	81887	18.918	ug/l	96
57) 1,3-Dichloropropane	10.719	76	124386	20.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	175856	93.213	ug/l	95
59) 2-Hexanone	10.762	43	177427	98.690	ug/l	96
60) Dibromochloromethane	10.908	129	103671	20.450	ug/l	100
61) 1,2-Dibromoethane	11.012	107	70135	20.033	ug/l	98
64) Tetrachloroethene	10.646	164	143142	21.424	ug/l	99
65) Chlorobenzene	11.438	112	297736	20.273	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	103557	20.089	ug/l	98
67) Ethyl Benzene	11.518	91	478039	19.924	ug/l	98
68) m/p-Xylenes	11.627	106	391113	40.710	ug/l	94
69) o-Xylene	11.956	106	177839	19.996	ug/l	100
70) Styrene	11.969	104	302287	20.508	ug/l	97
71) Bromoform	12.133	173	61651	20.083	ug/l	99
73) Isopropylbenzene	12.255	105	464183	19.609	ug/l	99
74) N-amyl acetate	12.072	43	79808	17.836	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	74346	18.713	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	68828m	19.340	ug/l	
77) Bromobenzene	12.530	156	117817	19.481	ug/l	93
78) n-propylbenzene	12.597	91	552614	19.807	ug/l	97
79) 2-Chlorotoluene	12.676	91	318212	19.802	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	381504	19.815	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	24896	19.077	ug/l	100
82) 4-Chlorotoluene	12.780	91	330020	19.627	ug/l	96
83) tert-Butylbenzene	12.999	119	342529	19.643	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	384048	20.164	ug/l	100
85) sec-Butylbenzene	13.176	105	504307	19.877	ug/l	99
86) p-Isopropyltoluene	13.292	119	430114	20.070	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	235497	19.678	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	233510	19.700	ug/l	99
89) n-Butylbenzene	13.615	91	369956	19.465	ug/l	98
90) Hexachloroethane	13.877	117	90928	19.570	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	207170	19.854	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11886	19.067	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	121710	19.997	ug/l	99
94) Hexachlorobutadiene	15.023	225	76563	20.345	ug/l	99
95) Naphthalene	15.145	128	184278	18.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	105003	19.865	ug/l	99

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

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