

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
 Data File : VY023308.D
 Acq On : 08 Sep 2025 12:08
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 09 01:46:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 09 01:40:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	562805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	840125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	752994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	381230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	687410	138.998	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 278.000%#			
35) Dibromofluoromethane	7.640	113	754900	146.999	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 294.000%#			
50) Toluene-d8	10.109	98	2922042	150.687	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 301.380%#			
62) 4-Bromofluorobenzene	12.408	95	933965	153.047	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 306.100%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	582847	129.085	ug/l	100
3) Chloromethane	2.074	50	847037	131.100	ug/l	99
4) Vinyl Chloride	2.208	62	1092926	134.273	ug/l	100
5) Bromomethane	2.592	94	906626	136.413	ug/l	100
6) Chloroethane	2.732	64	744548	135.169	ug/l	99
7) Trichlorofluoromethane	3.056	101	1388509	135.155	ug/l	100
8) Diethyl Ether	3.458	74	386753	142.277	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	738110	133.597	ug/l	99
10) Methyl Iodide	4.013	142	946424	146.847	ug/l	99
11) Tert butyl alcohol	4.866	59	200993	703.375	ug/l	98
12) 1,1-Dichloroethene	3.793	96	748392	140.810	ug/l	99
13) Acrolein	3.653	56	337446	698.510	ug/l	100
14) Allyl chloride	4.391	41	983209	146.442	ug/l	100
15) Acrylonitrile	5.061	53	747487	698.517	ug/l	99
16) Acetone	3.873	43	735610	653.012	ug/l	98
17) Carbon Disulfide	4.110	76	2280198	135.508	ug/l	100
18) Methyl Acetate	4.391	43	372071	134.648	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	1850687	148.091	ug/l	99
20) Methylene Chloride	4.622	84	788366	130.809	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	841500	141.704	ug/l	99
22) Diisopropyl ether	6.025	45	2205632	147.510	ug/l	96
23) Vinyl Acetate	5.964	43	6220726	752.550	ug/l	100
24) 1,1-Dichloroethane	5.921	63	1377236	140.824	ug/l	99
25) 2-Butanone	6.896	43	976405	704.245	ug/l	98
26) 2,2-Dichloropropane	6.890	77	1216971	140.929	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	988693	147.022	ug/l	98
28) Bromochloromethane	7.250	49	535786	139.229	ug/l	98
29) Tetrahydrofuran	7.262	42	586966	713.752	ug/l	98
30) Chloroform	7.427	83	1460984	139.033	ug/l	99
31) Cyclohexane	7.707	56	1188631	137.346	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	1313294	139.886	ug/l	99
36) 1,1-Dichloropropene	7.841	75	1056188	144.402	ug/l	99
37) Ethyl Acetate	6.988	43	409006	140.572	ug/l	99
38) Carbon Tetrachloride	7.823	117	1196606	142.180	ug/l	100
39) Methylcyclohexane	9.109	83	1438892	153.775	ug/l	98
40) Benzene	8.085	78	3273969	144.007	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	228520	141.362	ug/l #	79
42) 1,2-Dichloroethane	8.158	62	801777	138.517	ug/l	100
43) Isopropyl Acetate	8.201	43	838611	148.189	ug/l #	86
44) Trichloroethene	8.872	130	904223	142.793	ug/l	95
45) 1,2-Dichloropropane	9.146	63	726072	141.411	ug/l	98
46) Dibromomethane	9.231	93	441999	141.355	ug/l	98
47) Bromodichloromethane	9.426	83	1120710	142.467	ug/l	100
48) Methyl methacrylate	9.225	41	408953	155.039	ug/l	98
49) 1,4-Dioxane	9.231	88	94112	2965.012	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	2175180	751.306	ug/l	100
52) Toluene	10.170	92	2186591	151.556	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	1034272	152.713	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	1217126	150.397	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	592178	142.372	ug/l	97
56) Ethyl methacrylate	10.438	69	789898	163.917	ug/l	99
57) 1,3-Dichloropropane	10.719	76	969469	143.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1879644	894.949	ug/l	99
59) 2-Hexanone	10.762	43	1507704	753.305	ug/l	100
60) Dibromochloromethane	10.914	129	821704	145.601	ug/l	100
61) 1,2-Dibromoethane	11.018	107	563187	144.496	ug/l	99
64) Tetrachloroethene	10.652	164	999061	133.122	ug/l	98
65) Chlorobenzene	11.444	112	2396604	145.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	845457	146.017	ug/l	99
67) Ethyl Benzene	11.517	91	4130225	153.256	ug/l	99
68) m/p-Xylenes	11.627	106	3324597	308.079	ug/l	98
69) o-Xylene	11.956	106	1584564	158.618	ug/l	99
70) Styrene	11.969	104	2631182	158.922	ug/l	99
71) Bromoform	12.133	173	502977	145.871	ug/l	100
73) Isopropylbenzene	12.255	105	3981997	155.064	ug/l	100
74) N-amyl acetate	12.072	43	786505	162.033	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	618197	143.440	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	532275m	126.193	ug/l	
77) Bromobenzene	12.529	156	983243	149.869	ug/l	98
78) n-propylbenzene	12.597	91	4606140	152.185	ug/l	98
79) 2-Chlorotoluene	12.676	91	2649237	151.969	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	3233898	154.837	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	212367	150.012	ug/l	96
82) 4-Chlorotoluene	12.779	91	2714572	148.820	ug/l	99
83) tert-Butylbenzene	12.999	119	2969101	156.961	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	3210868	155.401	ug/l	99
85) sec-Butylbenzene	13.176	105	4196454	152.473	ug/l	99
86) p-Isopropyltoluene	13.292	119	3660054	157.431	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	1942632	149.636	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	1857662	144.467	ug/l	99
89) n-Butylbenzene	13.615	91	3232387	156.773	ug/l	99
90) Hexachloroethane	13.877	117	728785	144.594	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	1655736	146.275	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	95751	141.591	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	1075435	162.880	ug/l	99
94) Hexachlorobutadiene	15.023	225	606180	148.488	ug/l	100
95) Naphthalene	15.145	128	1874286	176.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	920503	160.529	ug/l	99

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

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