

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121625\
 Data File : VY023990.D
 Acq On : 16 Dec 2025 15:14
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 17 03:37:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 03:31:24 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/17/2025
 Supervised By : Mahesh Dadoda 12/18/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	570006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	795991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	688040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	354478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.066	65	576908	133.913	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 267.820%#			
35) Dibromofluoromethane	7.646	113	634317	133.160	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 266.320%#			
50) Toluene-d8	10.109	98	2309368	134.355	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 268.700%#			
62) 4-Bromofluorobenzene	12.407	95	781312	138.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 277.360%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	441608	120.751	ug/l	97
3) Chloromethane	2.074	50	586938	137.115	ug/l	98
4) Vinyl Chloride	2.214	62	729978	134.981	ug/l	98
5) Bromomethane	2.598	94	704241	146.732	ug/l	99
6) Chloroethane	2.744	64	514935	135.173	ug/l	99
7) Trichlorofluoromethane	3.067	101	1124139	130.220	ug/l	99
8) Diethyl Ether	3.464	74	322465	139.785	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.823	101	656723	126.934	ug/l	99
10) Methyl Iodide	4.012	142	827696	143.961	ug/l	99
11) Tert butyl alcohol	4.890	59	186150	738.153	ug/l	99
12) 1,1-Dichloroethene	3.799	96	632628	134.920	ug/l	96
13) Acrolein	3.659	56	301189	712.289	ug/l	96
14) Allyl chloride	4.396	41	813111	143.167	ug/l	99
15) Acrylonitrile	5.073	53	658038	734.315	ug/l	100
16) Acetone	3.884	43	731227	737.629	ug/l	97
17) Carbon Disulfide	4.116	76	1693152	144.296	ug/l	100
18) Methyl Acetate	4.396	43	297526	152.906	ug/l	97
19) Methyl tert-butyl Ether	5.134	73	1618976	145.328	ug/l	99
20) Methylene Chloride	4.628	84	646702	109.233	ug/l	97
21) trans-1,2-Dichloroethene	5.128	96	700212	137.415	ug/l	97
22) Diisopropyl ether	6.030	45	1902149	145.020	ug/l	97
23) Vinyl Acetate	5.969	43	5499472	770.242	ug/l	99
24) 1,1-Dichloroethane	5.927	63	1147551	134.457	ug/l	98
25) 2-Butanone	6.902	43	914943	691.936	ug/l	99
26) 2,2-Dichloropropane	6.896	77	1072051	134.604	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	827002	137.013	ug/l	99
28) Bromochloromethane	7.256	49	567805	166.701	ug/l	98
29) Tetrahydrofuran	7.274	42	523203	781.523	ug/l	100
30) Chloroform	7.432	83	1245456	131.538	ug/l	98
31) Cyclohexane	7.713	56	1004274	133.183	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	1156681	131.695	ug/l	100
36) 1,1-Dichloropropene	7.841	75	892240	136.656	ug/l	99
37) Ethyl Acetate	6.994	43	375372	151.875	ug/l	99
38) Carbon Tetrachloride	7.829	117	1079126	131.945	ug/l	99
39) Methylcyclohexane	9.115	83	1230741	141.376	ug/l	99
40) Benzene	8.091	78	2718951	135.818	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	200753	134.513	ug/l #	88
42) 1,2-Dichloroethane	8.164	62	707635	137.194	ug/l	100
43) Isopropyl Acetate	8.201	43	744782	155.782	ug/l	98
44) Trichloroethene	8.871	130	791628	134.187	ug/l	100
45) 1,2-Dichloropropane	9.146	63	611118	135.943	ug/l	98
46) Dibromomethane	9.237	93	370832	137.562	ug/l	99
47) Bromodichloromethane	9.426	83	957015	136.831	ug/l	96
48) Methyl methacrylate	9.225	41	359528	154.289	ug/l	99
49) 1,4-Dioxane	9.237	88	84682	2884.088	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	1975411	789.345	ug/l	100
52) Toluene	10.176	92	1822308	130.765	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	888051	149.389	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	1026586	144.145	ug/l	99
55) 1,1,2-Trichloroethane	10.578	97	504755	136.322	ug/l	97
56) Ethyl methacrylate	10.444	69	688552	146.754	ug/l	98
57) 1,3-Dichloropropane	10.718	76	829100	139.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1649380	745.877	ug/l	99
59) 2-Hexanone	10.761	43	1449649	770.805	ug/l	100
60) Dibromochloromethane	10.914	129	721113	138.485	ug/l	100
61) 1,2-Dibromoethane	11.017	107	482928	140.860	ug/l	99
64) Tetrachloroethene	10.651	164	896158	126.944	ug/l	99
65) Chlorobenzene	11.444	112	2047347	135.212	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	720594	134.839	ug/l	99
67) Ethyl Benzene	11.523	91	3504631	142.274	ug/l	99
68) m/p-Xylenes	11.633	106	2780491	281.033	ug/l	100
69) o-Xylene	11.956	106	1323903	143.863	ug/l	99
70) Styrene	11.974	104	2185023	147.931	ug/l	100
71) Bromoform	12.133	173	449030	140.839	ug/l	99
73) Isopropylbenzene	12.255	105	3438885	140.838	ug/l	100
74) N-amyl acetate	12.072	43	701085	143.819	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	543968	147.042	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	359974m	114.696	ug/l	
77) Bromobenzene	12.535	156	833723	135.842	ug/l	96
78) n-propylbenzene	12.596	91	3945697	140.999	ug/l	100
79) 2-Chlorotoluene	12.682	91	2233501	139.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	2716847	141.506	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	187570	152.947	ug/l	98
82) 4-Chlorotoluene	12.779	91	2264059	137.652	ug/l	99
83) tert-Butylbenzene	12.999	119	2527875	140.263	ug/l	97
84) 1,2,4-Trimethylbenzene	13.047	105	2692984	141.864	ug/l	99
85) sec-Butylbenzene	13.175	105	3611254	138.812	ug/l	100
86) p-Isopropyltoluene	13.291	119	3080480	140.943	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	1594211	134.999	ug/l	100
88) 1,4-Dichlorobenzene	13.370	146	1525182	131.597	ug/l	99
89) n-Butylbenzene	13.620	91	2708883	143.464	ug/l	99
90) Hexachloroethane	13.883	117	612850	134.306	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	1370352	134.536	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	82798	153.576	ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	851690	146.987	ug/l	100
94) Hexachlorobutadiene	15.029	225	521928	128.663	ug/l	99
95) Naphthalene	15.145	128	1489506	145.282	ug/l	100
96) 1,2,3-Trichlorobenzene	15.333	180	727357	149.583	ug/l	100

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

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