

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023813.D
 Acq On : 26 Nov 2025 09:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 27 00:59:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 00:55:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
 Supervised By :Mahesh Dadoda 12/02/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	597752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	936662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	843412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	429717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	580634	99.745	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.480%#			
35) Dibromofluoromethane	7.634	113	559842	100.896	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.800%#			
50) Toluene-d8	10.109	98	2265326	102.785	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 205.580%#			
62) 4-Bromofluorobenzene	12.402	95	761395	104.995	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 210.000%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	405722	90.064	ug/l	96
3) Chloromethane	2.074	50	636530	92.361	ug/l	99
4) Vinyl Chloride	2.208	62	719283	96.481	ug/l	99
5) Bromomethane	2.592	94	480036	91.276	ug/l	99
6) Chloroethane	2.739	64	471062	96.954	ug/l	100
7) Trichlorofluoromethane	3.062	101	962539	95.496	ug/l	98
8) Diethyl Ether	3.458	74	328405	103.449	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	569678	96.840	ug/l	98
10) Methyl Iodide	4.007	142	699139	108.456	ug/l	100
11) Tert butyl alcohol	4.866	59	242821	507.896	ug/l	100
12) 1,1-Dichloroethene	3.793	96	569043	98.325	ug/l	98
13) Acrolein	3.653	56	358931	522.245	ug/l	99
14) Allyl chloride	4.391	41	948399	103.442	ug/l	99
15) Acrylonitrile	5.061	53	766454	559.393	ug/l	99
16) Acetone	3.873	43	897316	535.016	ug/l	98
17) Carbon Disulfide	4.110	76	1818866	97.383	ug/l	99
18) Methyl Acetate	4.391	43	357818	110.474	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	1619657	109.511	ug/l	99
20) Methylene Chloride	4.622	84	633854	89.395	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	643910	100.489	ug/l	100
22) Diisopropyl ether	6.025	45	2062665	104.046	ug/l	96
23) Vinyl Acetate	5.964	43	6145514	557.458	ug/l	99
24) 1,1-Dichloroethane	5.921	63	1157588	99.258	ug/l	98
25) 2-Butanone	6.896	43	1149970	561.837	ug/l	96
26) 2,2-Dichloropropane	6.890	77	1016493	98.331	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	755007	101.464	ug/l	99
28) Bromochloromethane	7.244	49	487526	100.497	ug/l	99
29) Tetrahydrofuran	7.262	42	668025	585.166	ug/l	99
30) Chloroform	7.421	83	1159007	98.833	ug/l	100
31) Cyclohexane	7.701	56	1079753	96.480	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	1038504	99.766	ug/l	100
36) 1,1-Dichloropropene	7.841	75	872975	102.612	ug/l	100
37) Ethyl Acetate	6.988	43	454311	113.530	ug/l	99
38) Carbon Tetrachloride	7.823	117	949580	101.686	ug/l	98
39) Methylcyclohexane	9.109	83	1181912	105.191	ug/l	98
40) Benzene	8.085	78	2641537	100.896	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	215840	105.532	ug/l	94
42) 1,2-Dichloroethane	8.158	62	696886	103.250	ug/l	100
43) Isopropyl Acetate	8.195	43	871566	116.548	ug/l	99
44) Trichloroethene	8.866	130	678866	101.062	ug/l	98
45) 1,2-Dichloropropane	9.140	63	634600	102.807	ug/l	99
46) Dibromomethane	9.231	93	355888	106.252	ug/l	99
47) Bromodichloromethane	9.420	83	906225	103.527	ug/l	96
48) Methyl methacrylate	9.219	41	419685	119.198	ug/l	98
49) 1,4-Dioxane	9.231	88	88895	2368.112	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	2361341	599.821	ug/l	99
52) Toluene	10.170	92	1701789	104.854	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	886831	110.597	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	1025804	106.873	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	480783	107.155	ug/l	99
56) Ethyl methacrylate	10.438	69	728992	123.738	ug/l	99
57) 1,3-Dichloropropane	10.719	76	849242	108.503	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	1702898	601.687	ug/l	99
59) 2-Hexanone	10.756	43	1779023	611.110	ug/l	99
60) Dibromochloromethane	10.914	129	649228	107.829	ug/l	100
61) 1,2-Dibromoethane	11.012	107	455334	109.330	ug/l	99
64) Tetrachloroethene	10.646	164	744933	93.105	ug/l	98
65) Chlorobenzene	11.438	112	1871522	101.090	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	638745	101.559	ug/l	100
67) Ethyl Benzene	11.518	91	3318500	104.941	ug/l	99
68) m/p-Xylenes	11.627	106	2543178	208.706	ug/l	100
69) o-Xylene	11.950	106	1221395	106.915	ug/l	99
70) Styrene	11.969	104	2040807	108.445	ug/l	100
71) Bromoform	12.127	173	399426	108.876	ug/l #	100
73) Isopropylbenzene	12.249	105	3180547	104.287	ug/l	99
74) N-amyl acetate	12.066	43	820749	120.457	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	562127	111.952	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	394480m	105.969	ug/l	
77) Bromobenzene	12.530	156	742728	103.539	ug/l	99
78) n-propylbenzene	12.591	91	3816360	103.936	ug/l	100
79) 2-Chlorotoluene	12.676	91	2180570	103.184	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	2597326	104.323	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	203291	114.988	ug/l	97
82) 4-Chlorotoluene	12.773	91	2225711	102.551	ug/l	99
83) tert-Butylbenzene	12.993	119	2392858	106.985	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	2617729	105.207	ug/l	99
85) sec-Butylbenzene	13.170	105	3440649	104.213	ug/l	100
86) p-Isopropyltoluene	13.286	119	2897085	104.982	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	1459661	101.530	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	1427947	99.506	ug/l	100
89) n-Butylbenzene	13.615	91	2702445	106.802	ug/l	99
90) Hexachloroethane	13.877	117	586931	101.229	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1290309	102.632	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	94238	112.126	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	815534	108.798	ug/l	99
94) Hexachlorobutadiene	15.017	225	468190	100.295	ug/l	99
95) Naphthalene	15.139	128	1577765	124.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	702369	110.019	ug/l	100

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

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