

### **17 06 13 Chloroform and THF**

Experiment started 13:03 Tc = 24.8 oC

13:05 Tc = 24.8 oC

13:06 Tc = 24.8 oC

13:07 Tc = 24.8 oC

13:09 Tc = 24.9 oC

13:10 Tc = 24.9 oC

13:11 Tc = 25.0 oC

13:12 Tc = 25.0 oC

13:13 Tc = 25.0 oC

13:56 Tc = 25.2 oC

13:57 Tc = 25.2 oC

**3 ml chloroform injected**

**13:58 Tcf = 26.4 oC**

**14:00 Tcf = 26.1 oC**

**14:01 Tcf = 25.8 oC**

**14:02 Tcf = 25.9 oC**

**14:03 Tcf = 25.6 oC**

**14:04 Tcf = 25.5 oC**

**14:05 Tcf = 25.5 oC**

**14:06 Tcf = 25.4 oC**

**14:07 Tcf = 25.3 oC**

**All chloroform evaporated N2 flow continued**

**14:08 Tcf = 25.1 oC**

**14:09 Tcf = 25.2 oC**

**14:10 Tcf = 25.4 oC**

**14:11 Tcf = 25.4 oC**

14:12 N2 flow Tc = 25.6 oC

14:13 Tc = 25.4 oC

14:14 Tc = 25.2 oC

14:16 Tc = 25.1 oC

14:17 Tc = 25.1 oC

14:18 Tc = 25.0 oC

14:19 Tc = 25.0 oC

14:20 Tc = 25.1 oC

14:21 Tc = 25.1 oC

14:22 Tc = 25.0 oC

14:23 Tc = 25.0 oC

14:24 Tc = 25.0 oC

14:25 Tc = 25.0 oC

**3 ml chloroform injected**

**14:27 Tcf = 26.4 oC**

**14:28 Tcf = 25.8 oC**

**14:29 Tcf = 25.6 oC**

**14:30 Tcf = 25.5 oC**

**14:31 Tcf = 25.8 oC**

**14:34 Tcf = 25.4 oC**

**14:35 Tcf = 24.8 oC**

**14:36 Tcf = 24.8 oC**

**All chloroform has evaporated but N2 flow continued**

**14:37 Tcf = 25.3 oC**

**14:38 Tcf = 25.4 oC**

**14:39 Tcf = 25.4 oC**

**14:40 Tcf = 25.6 oC**

14:41 N2 flow Tc = 25.8 oC

14:42 Tc = 25.6 oC

14:43 Tc = 25.5 oC

14:44 Tc = 25.4 oC

14:46 Tc = 25.4 oC

14:47 Tc = 25.4 oC

14:48 Tc = 25.3 oC

14:49 Tc = 25.3 oC

14:50 Tc = 25.3 oC

14:52 Tc = 25.3 oC

14:53 Tc = 25.3 oC

14:54 Tc = 25.4 oC

14:55 Tc = 25.4 oc

14:56 Tc = 25.4 oC

14:57 Tc = 25.4 oC

14:58 Tc = 25.4 oC

14:59 Tc = 25.4 oC

15:00 Tc = 25.4 oC

**3 ml of chloroform were injected**

**15:01 Tcf = 25.9 oC**

**15:02 Tcf = 26.0 oC**

**15:03 Tcf = 26.0 oC**

**15:04 Tcf = 25.9 oC**

**15:05 Tcf = 25.8 oC**

**15:06 Tcf = 25.7 oC**

**15:07 Tcf = 25.7 oC**

**15:08 Tcf = 25.7 oC**

**15:09 Tcf = 25.7 oC**

**15:10 Tcf = 25.6 oC**

**15:11 Tcf = 25.4 oC**

**15:12 Tcf = 25.6 oC**

**All chloroform evaporated but N2 flow continued**

**15:13 Tcf = 25.8 oC**

**15:14 Tcf = 25.8 oC**

**15:15 Tcf = 25.7 oC**

**15:16 Tcf = 25.9 oC**

**15:17 Tcf = 25.9 oC**

**15:18 Tcf = 25.9 oC**

15:19 N2 flow Tc = 26.0 oC

15:20 Tc = 25.8 oC

15:21 Tc = 25.8 oC

15:22 Tc = 25.7 oC

15:23 Tc = 25.7 oC

15:24 Tc = 25.7 oC

15:25 Tc = 25.7 oC

15:26 Tc = 25.7 oC

15:27 Tc = 25.7 oC

15:38 Tc = 25.8 oC

15:49 Tc = 25.9 oC

16:18 Tc = 26.1 oC

16:19 Tc = 26.1 oC

16:20 Tc = 26.0 oC

16:21 Tc = 26.0 oC

16:23 Tc = 25.9 oC

16:34 Tc = 26.1 oC

**3 mL THF injected**

**16:35 Tthf = 28.5 oC**

**16:36 Tthf = 27.2 oC**

**16:37 Tthf = 27.0 oC**

**16:38 Tthf = 27.0 oC**

**16:39 Tthf = 26.9 oC**

**16:40 Tthf = 26.9 oC**

**16:41 Tthf = 26.9 oC**

**16:42 Tthf = 26.7 oC**

**All Thf evaporated N2 flow continued**

**16:43 Tthf = 26.4 oC**

**16:44 Tthf = 26.2 oC**

**16:45 Tthf = 26.4 oC**

**16:46 Tthf = 26.5 oC**

16:47 N2 flow Tc = 26.7 oC

16:48 Tc = 26.7 oC

16:49 Tc = 26.6 oC

16:50 Tc = 26.5 oC

16:52 Tc = 26.5 oC

16:53 Tc = 26.5 oC

16:54 Tc = 26.4 oC

16:55 Tc = 26.4 oC

16:56 Tc = 26.4 oC

16:57 Tc = 26.4 oC

16:58 Tc = 26.4 oC

16:59 Tc = 26.4 oC

17:00 Tc = 26.5 oC

17:01 Tc = 26.5 oC

17:02 Tc = 26.4 oC

17:03 Tc = 26.3 oC

17:04 Tc = 26.4 oC

17:43 Tc = 26.7 oC

17:44 Tc = 26.7 oC

**3 mL of were injected**

**17:46 Tthf = 28.3 oC**

**17:47 Tthf = 27.8 oC**

**17:48 Tthf = 27.4 oC**

**17:49 Tthf = 27.3 oC**

**17:50 Tthf = 27.3 oC**

**17:51 Tthf = 27.2 oC**

**17:53 Tthf = 26.2 oC**

**All THF evaporated but N2 flow continued**

**17:54 Tthf = 26.2 oC**

**17:55 Tthf = 26.8 oC**

**17:56 Tthf = 26.9 oC**

17:57 N2 flow Tc = 27.1 oC

17:58 Tc = 27.0 oC

17:59 Tc = 26.8 oC

18:00 Tc = 26.8 oC

18:01 Tc = 26.8 oC

18:02 Tc = 26.8 oC

18:04 Tc = 26.8 oC

18:06 Tc = 26.8 oC

18:07 Tc = 26.7 oC

18:09 Tc = 26.8 oC

18:10 Tc = 26.7 oC

18:12 Tc = 26.7 oC

18:13 Tc = 26.7 oC

18:14 Tc = 26.7 oC

**3 mL of THF injected**

**18:15 Tthf = 29.1 oC**

**18:16 Tthf = 28.0 oC**

**18:17 Tthf = 27.8 oC**

**18:18 Tthf = 27.4 oC**

**18:19 Tthf = 27.1 oC**

**18:21 Tthf = 26.8 oC**

**18:23 Tthf = 26.1 oC**

**All THF evaporated**

**18:24 Tthf = 26.4 oC**

**18:25 Tthf = 26.6 oC**

**18:26 Tthf = 26.8 oC**

18:27 N2 flow Tc = 26.9 oC

18:29 Tc = 26.8 oC

18:30 Tc = 26.8 oC

18:33 Tc = 26.7 oC

18:35 Tc = 26.8 oC

18:36 Experiment end Tc = 26.8 oC