

### **20 03 13 MeOH and IPA sensing**

14:37 Experiment start

14:39 Tc = 27.6 oC

14:40 Tc = 27.5 oC

14:42 Tc = 27.6 oC

14:45 Tc = 27.5 oC

3 mL of methanol injected

**14:46 MeOH vapour introduced TMeOH = 28.0 oC**

**14:47 TMeOH = 28.9 oC**

**14:48 TMeOH = 29.6 oC**

**14:49 TMeOH = 30.1 oC**

**14:50 TMeOH = 30.4 oC**

**14:51 TMeOH = 29.9 oC**

**14:52 Still 1.5 L/min from RBF TMeOH = 28.3 oC**

**14:53 Still 1.5 L/min from RBF TMeOH = 26.4 oC**

**14:54 Still 1.5 L/min from RBF TMeOH = 26.8 oC**

**14:55 Still 1.5 L/min from RBF TMeOH = 26.9 oC**

**14:56 Still 1.5 L/min from RBF TMeOH = 27.3 oC**

14:57 N2 purge Tc = 27.5 oC

14:59 Tc = 27.6 oC

15:00 Tc = 27.6 oC

15:01 Tc = 27.6 oC

15:03 Tc = 27.6 oC

15:04 Tc = 27.6 oC

15:05 Tc = 27.7 oC

**15:06 MeOH vapour introduced TMeOH = 28.4 oC**

**15:07 TMeOH = 29.0 oC**

**15:08 TMeOH = 29.6 oC**

**15:09 TMeOH = 29.9 oC**

**15:10 TMeOH = 28.8 oC**

**15:11 TMeOH = 27.9 oC**

**15:12 Still 1.5 L/min from RBF TMeOH = 26.9 oC**

**15:13 Still 1.5 L/min from RBF TMeOH = 26.4 oC**

**15:14 Still 1.5 L/min from RBF TMeOH = 26.8 oC**

**15:15 Still 1.5 L/min from RBF TMeOH = 27.0 oC**

15:16 N2 purge Tc = 27.3 oC

15:17 Tc = 27.5 oC

15:19 Tc = 27.5 oC

15:21 Tc = 27.6 oC

15:22 Tc = 27.7 oC

15:23 Tc = 27.7 oC

15:24 Tc = 27.7 oC

**15:26 MeOH vapour introduced TMeOH = 28.1 oC**

**15:27 TMeOH = 28.2 oC**

**15:30 TMeOH = 30.4 oC**

**15:31 TMeOH = 30.4 oC**

**15:32 TMeOH = 30.0 oC**

**15:33 TMeOH = 27.4 oC**

**15:34 Still 1.5 L/min N2 from RBF TMeOH = 23.0 oC**

**15:35 Still 1.5 L/min from RBF TMeOH = 24.9 oC**

**15:36 Still 1.5 L/min from RBF TMeOH = 26.8 oC**

**15:38 Still 1.5 L/min from RBF TMeOH = 27.0 oC**

15:39 N2 purge Tc = 26.8 oC

15:40 Tc = 27.2 oC

15:41 Tc = 27.5 oC

15:42 Tc = 27.6 oC

15:43 Tc = 27.6 oC

15:44 Tc = 27.6 oC

15:45 Tc = 27.7 oC

16:31 Tc = 27.5 oC

16:32 Tc = 27.6 oC

16:34 Tc = 27.6 oC

16:35 Tc = 27.6 oC

16:36 Tc = 27.6 oC

16:38 IPA vapour introduced Tipa = 28.0 oC

16:39 Tipa = 28.2 oC

16:40 Tipa = 28.6 oC

16:41 Tipa = 28.7 oC

16:42 Tipa = 29.9 oC

16:43 Tipa = 30.5 oC

16:44 Tipa = 31.1 oC

16:45 Tipa = 30.7 oC

16:46 Still 1.5 L/min of N2 from RBF Tipa = 29.1 oC

16:47 Still 1.5 L/min of N2 from RBF Tipa = 27.2 oC

Noticed white goo/gum inside RBF

16:48 N2 Purge Tc = 26.8 oC

16:49 Tc = 26.7 oC

16:50 Tc = 26.8 oC

16:58 Tc = 27.5 oC

RBF washed out

17:08 Tc = 27.6 oC

17:09 Tc = 27.5 oC

17:11 Tc = 27.5 oC

17:12 IPA vapour introduced Tipa = 28.1 oC

17:13 Tipa = 28.1 oC  
17:14 Tipa = 28.5 oC  
17:16 Tipa = 30.5 oC  
17:17 Tipa = 30.8 oC  
17:18 Tipa = 30.1 oC  
17:19 Tipa = 29.3 oC  
17:20 Still 1.5 L/min N2 from RBF Tipa = 27.8 oC  
17:21 Tipa = 27.2 oC  
17:22 Tipa = 27.2 oC  
17:23 Tipa = 27.0 oC  
17:24 Still 1.5 L/min N2 from RBF Tipa = 27.0 oC  
17:25 N2 Purge Tc = 26.7 oC  
17:27 Tc = 27.0 oC  
17:28 Tc = 27.1 oC  
17:29 Tc = 27.4 oC  
17:39 Tc = 27.6 oC  
17:43 IPA vapour introduced Tipa = 28.6 oC  
17:44 Tipa = 28.7 oC  
17:45 Tipa = 30.2 oC  
17:48 Tipa = 31.2 oC  
17:49 Still 1.5 L/min N2 from RBF Tipa = 28.7 oC  
17:50 Tipa = 27.9 oC  
17:53 Still 1.5 L/min N2 from RBF Tipa = 27.3 oC  
17:54 N2 purge Tc = 25.4 oC  
17:55 Tc = 26.2 oC  
17:56 Tc = 26.9 oC  
17:57 Tc = 27.3 oC  
18:00 Tc = 27.7 oC

18:01 Tc = 27.8 oC

18:02 Tc = 27.9 oC

18:03 Tc = 27.9 oC Experiment End