

18 06 13 Toluene and oct-1-ene sensing

17:52 Experiment start Tc = 24.4 oC

17:54 Tc = 24.4 oC

17:55 Tc = 24.4 oC

3 mL of toluene injected

17:57 Ttol = 25.8 oC

17:58 Ttol = 25.9 oC

17:59 Ttol = 26.3 oC

18:00 Ttol = 26.5 oC

18:01 Ttol = 26.7 oC

18:02 Ttol = 26.8 oC

18:03 Ttol = 26.9 oC

18:05 Ttol = 25.7 oC

18:06 Ttol = 24.7 oC

All toluene evaporated N2 flow continued.

18:07 Ttol = 24.1 oC

18:08 Ttol = 23.9 oC

18:09 Ttol = 24.1 oC

18:10 Ttol = 24.1 oC

18:11 Ttol = 24.2 oC

18:12 Ttol = 24.4 oC

18:13 N2 flow Tc = 24.4 oC

18:14 Tc = 24.4 oC

18:15 Tc = 24.5 oC

18:16 Tc = 24.4 oC

18:37 Tc = 25.2 oC

19:05 Tc = 25.6 oC

19:06 Tc = 25.4 oC

3 mL of toluene injected

19:08 Ttol = 27.2 oC

19:10 Ttol = 27.1 oC

19:11 Ttol = 27.3 oC

19:13 Ttol = 27.3 oC

19:14 Ttol = 27.3 oC

All toluene evaporated

19:17 Ttol = 24.3 oC

19:18 Ttol = 24.1 oC

19:20 Ttol = 24.3 oC

19:21 Ttol = 24.5 oC

19:22 Ttol = 24.4 oC

All toluene evaporated but N2 flow continued

19:23 Ttol = 24.5 oC

19:25 Ttol = 24.6 oC

19:26 Ttol = 24.7 oC

19:27 Ttol = 24.7 oC

19:28 Ttol = 24.7 oC

19:29 N2 flow Tc = 24.8 oC

19:30 Tc = 24.7 oC

19:31 Tc = 24.6 oC

19:32 Tc = 24.6 oC

19:34 Tc = 24.5 oC

19:35 Tc = 24.6 oC

19:36 Tc = 24.6 oC

19:37 Tc = 24.6 oC

19:38 Tc = 24.7 oC

3 mL of toluene was injected

19:39 Ttol = 25.8 oC

19:40 Ttol = 25.9 oC

19:41 Ttol = 26.2 oC

19:43 Ttol = 26.7 oC

19:44 Ttol = 26.8 oC

19:45 Ttol = 26.9 oC

19:46 Ttol = 26.8 oC

19:47 Ttol = 25.4 oC

19:48 Ttol = 24.8 oC

19:49 Ttol = 24.4 oC

All toluene evaporated but N2 flow continued

19:50 Ttol = 24.3 oC

19:51 Ttol = 24.4 oC

19:52 N2 flow Tc = 24.2 oC

19:53 Tc = 24.5 oC

19:54 Tc = 24.6 oC

20:04 Tc = 24.6 oC

20:05 Tc = 24.6 oC

20:06 Tc = 24.7 oC

3 mL of oct-1-ene was injected

20:10 Toct = 25.0 oC

20:11 Toct = 25.4 oC

20:12 Toct = 25.6 oC

20:13 Toct = 26.0 oC

20:14 Toct = 26.2 oC

20:15 Toct = 26.4 oC

20:16 Toct = 26.4 oC

20:17 Toct = 26.3 oC

All the oct-1-ene has evaporated but N2 flow through the RBF was continued

20:18 Toct = 26.2 oC

20:19 Toct = 26.0 oC

20:20 Toct = 25.3 oC

20:21 Toct = 24.6 oC

20:22 Toct = 24.2 oC

20:24 Toct = 24.5 oC

20:25 Toct = 24.7 oC

20:26 N2 flow Tc = 24.7 oC

20:27 Tc = 24.8 oC

20:28 Tc = 24.8 oC

20:29 Tc = 24.7 oC

20:31 Tc = 24.5 oC

3 mL of oct-1-ene were injected

20:34 Toct = 26.1 oC

20:35 Toct = 26.0 oC

20:36 Toct = 26.4 oC

20:37 Toct = 26.9 oC

20:38 Toct = 27.3 oC

20:39 Toct = 27.3 oC

20:40 Toct = 27.2 oC

20:41 Toct = 27.0 oC

20:43 Toct = 26.2 oC

All oct-1-ene evaporated but N2 flow through the RBF continued

20:45 Toct = 24.2 oC

20:46 Toct = 23.9 oC

20:47 N2 flow Tc = 23.3 oC

20:48 Tc = 24.2 oC

20:49 Tc = 24.4 oC

20:50 Tc = 24.5 oC

20:53 Tc = 24.4 oC Experiment end