MEASUREMENT OF ENVIRONMENTAL EMISSIONS

DURING

SPRAY COATING OF COMPONENTS FOR THE AVIATION INDUSTRY

at

DUNLOP AEROSPACE BRAKING SYSTEMS
HOLBROOK LANE
COVENTRY
WARWIKSHIRE
CV6 4AA

REPORT NO:	OEH/33551/STAK/SD77	**CLIENT REF:**	Service Contract: 451120
DATE OF VISIT:	21 – 23 March, 2005	**CONTACT ON SITE:**	Mr Dave Warrington
DATE OF REPORT:	4 April, 2005	**DISK REFERENCE:**	N:\GenAdmin$\New Network\2004-2005\Air Quality\Reports\Dunlop\OEH33551\OEH 33551 CS F.doc 04/04/2005 13:17

DATA PROTECTION ACT REGISTRATION NO: B0479 03 4

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EXECUTIVE SUMMARY

Date Of Test & Test Areas	Emissions sampling from a number of stacks in DAS 1, DAS 2, DAIPC and the Wheel & Brake paint shops was conducted between 21st and 23rd March 2005.
Test Conditions	All processes were said to be operating under relatively normal conditions throughout the sampling periods.
Compliance	Full compliance with the guidance note **was NOT** achieved on this occasion. VOC emissions from the Wheel and Brake Oven and the Wheel and Brake Paint Kitchen were above the current limit.

Surveyed and reported by:

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Environmental Scientist

Verified by:

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Environmental Scientist

for and on behalf of OEH Group Limited

If you have any queries or comments regarding this report, please contact Customer Services, OEH Group Ltd. Tel: 0121 359 5361.

1 INTRODUCTION

1.1 Purpose of Survey

The aim of the survey described in this report was to verify compliance with the requirements of the relevant Process Guidance Note, PG6/40(2004) – Coating and Recoating of Aircraft and Aircraft Components.

1.2 Terms of Reference

Dunlop Aerospace Braking Systems, Holbrook Lane, Coventry, Warwickshire, CV6 4AA, has commissioned OEH Group Limited to carry out the work described in this report. Monitoring was carried out between 21st and 23rd March 2005, by Andy Barnes and Jonathan Litterick, at the request of Mr Dave Warrington.

The work was carried out in accordance with OEH Proposal ref: AL-11275 & 6, dated 18th November 2004, and the client's instructions as set out in Service Contract Ref: 451120.

OEH Group is accredited under ISO-9002 for the provision of health, safety and environmental consultancy services. The work described in this report was carried out in accordance with our ISO-9000 Standard Operating Procedures and Level III: Consultancy Work Instructions. The field sampling and interpretations made in this report are not covered by the scope of OEH's accreditation under UKAS.

1.3 Plant conditions

Production schedules on the dates of the survey were described as relatively normal. Thus, the data reported herein must be considered typical and representative of the environmental levels experienced during normal daily workloads on this site.

2 PROCESS DESCRIPTION

Dunlop Aerospace Braking Systems produce various aircraft components at their Coventry factory. When compared to many other industrial sectors, the activities carried out are very labour intensive, with relatively low volumes of product. General descriptions of the processes tested are given below.

2.1 Degreasing

Before paint application, products are degreased in modern vapour degreasing tanks, which are vented via lip extraction and discharged to atmosphere without abatement. The tanks are sealed with hydraulic lids, which are opened to allow insertion and removal of items from the tank. Items for degreasing are immersed for 15 minutes in trichloroethylene, after which they are lifted into the vapour zone for 10 minutes and then removed from the tank.

2.2 Paint Kitchens

Paint mixtures required for the spray booths are weighed and formulated on a bench inside an enclosed room. There is extraction from the bench, which passes directly to atmosphere, without abatement. Whilst the actual mixing process lasts only for a matter of minutes, the extraction is left on all day. The various bulk containers of the paint mix ingredients are also stored in these rooms.

2.3 Spray Booths

Paint spraying takes place in large "walk-in" spray booths. All booths now employ wet back abatement. Primer and topcoat application is carried out in all booths

2.4 Drying Ovens

In between coat applications, and after final topcoat application, items are oven dried for between 30 and 60 minutes. All drying ovens are electrically operated, and emissions are fan extracted and vented directly to atmosphere with no abatement.

3 METHODS

3.1 Stack Sampling

3.1.1 Stack Velocity & Temperature Measurements

Stack velocity was investigated using an ellipsoidal nosed pitot tube coupled to an electronic manometer. Temperature measurements were taken using a K-type thermocouple connected to an electronic thermometer. The procedure is designed to fulfil the main procedural requirements of BSEN 13284:2002 for the preliminary flow and temperature traverse and for the calculation of volumetric flow rate.

The manometer and thermometer are subject to regular calibration by a UKAS accredited test house using NPL traceable standards.

3.1.2 Total Particulate Matter (TPM)

Periodic extractive sampling for Total Particulate Matter (TPM) was conducted using a Stackmite 9096 sampling train. 37mm Glass Fibre Filters were used, they were conditioned in an identical manner before and after sampling. Sampling protocol was, within the limitations of the sampling plane, in accordance with the main procedural requirements of BSEN 13284:2002. The sampling train was set up and checked for leaks before commencement of the survey and between each sample. The Stackmite unit is calibrated annually and is traceable to NPL standards.

Calibration dated February 2005.

3.1.3 Volatile Organic Compounds (VOC)

Continuous extractive sampling for VOCs was conducted using a Research Engineers Flame Ionisation Detector (FID) to the requirements of BSEN 13526:2002. The instrument was calibrated on site before commencement of the survey and between each sample, using span gas methane at 90 and 990ppm. These gases are traceable to NPL standard and are re-certified at two yearly intervals as specified by the manufacturer.

Continuous extractive sampling was backed up by periodic extractive sampling for VOCs using calibrated pumps connected to charcoal adsorption tubes. The method is based on, and intended to satisfy the main procedural requirements of BSEN 13649:2002, and provides a correction factor for the instrumental results. The tubes are used to speciate the total VOC, so that the individual contributions from various compounds can be quantified.

3.1.4 Isocyanates

Periodic extractive sampling for Isocyanates was conducted using a calibrated pump connected to an impinger sampling train containing a solution of 1-(2-methoxyphenyl)piperazine. The method is based on, and intended to satisfy the main procedural requirements of ISO 16702.

3.2 Analysis

3.2.1 Techniques & Detection Limits

Analyte	Analysis Technique	Detection Limit	Analytical Precision, %	Method Reference
TPM	Gravimetric	20 µg	1	LSOP 202
Isocyanates	HPLC	0.02 µg NCO	10	LSOP 502
Continuous VOC	Flame Ionisation Detector	0.2 $mg.m^{-3}$ as carbon	5	BSEN 13526:2002
Periodic VOC	Gas Chromatography	2 µg as carbon	5	Variation on LSOP 402

3.2.2 Accreditation

Service Category	ISO-9002	UKAS[1]
Consultancy	Yes	No
Analysis		
- Dusts (air filter samples); Lab Method LSOP 202, based on MDHS14 (latest issue)	Yes	Yes
- Solvents (B, T, X 111-T, TCE, PERC); Lab Method LSOP402, based on Various NIOSH	Yes	Yes
- Solvents (all other species); Based on Various NIOSH	Yes	No
- Isocyanates (impinger samples); based on MDHS25	Yes	No
[1]UKAS lab number 1821		
Stack sampling team is a member of the Source Testing Association		

4 PRESENTATION OF RESULTS

The following table gives summary details of the mean emission concentrations measured for all parameters from all positions.

Sampling Position	Mean Particulate Emission ($mg.m^{-3}$)	Mean Isocyanate Emission ($mg.m^{-3}$)	Mean VOC Emission ($mgC.m^{-3}$)
DAIPC Kitchen	-	-	20.9
DAIPC Spray booth	0.1	<0.001	11.6
DAIPC Oven	-	-	11.4
DAS 2 Spray booth	0.7	<0.001	15.0
DAS 2 Oven	-	-	12.8
W & B Kitchen	-	-	**99.5**
W & B Spray booth (LHS)	n/a		
W & B Spray booth (RHS)	0.5	<0.001	29.7
W & B Oven	-	-	**63.6**
DAS 1 Kitchen	-	-	19.3
DAS 1 Spray booth	1.2	<0.001	19.5
DAS 1 Oven	-	-	20.0

Results reported at Standard Conditions of 273K and 101.3kPa, no correction for water vapour content.

n/a = testing not possible due to lack of process operation over sampling visit.

Sampling Position	Mean VOC Emission ($mgC.m^{-3}$)	Mean VOC Mass Emission (kg/8hr)
DAS 1 Degreaser	207.2	1.27
W & B Degreaser	48.7	0.51
DAS 2 Degreaser	108.3	1.82

Results reported at Standard Conditions of 273K and 101.3kPa, no correction for water vapour content.

Detailed results for all sampling positions are included in the Appendices of this report as follows:

Appendix I lists in tabular form further details of the TCE and Isocyanate results for each sample.

Appendix II lists in tabular form further details of the particulate results for each sample, including additional data from the pitot traverses, along with filter weight details and sampling parameters.

The recorded data for VOC concentrations is presented in both graphical and tabular form in Appendix III.

5 DISCUSSION

The processes monitored are covered by the Secretary of States Guidance Note PG6/40(2004) – Coating and Recoating of Aircraft and Aircraft Components. This note states the following emission limits:

Parameter	Emission Limits
Total Particulate Matter	50 $mg.m^{-3}$
Isocyanates (expressed as total NCO group)	0.1 $mg.m^{-3}$
Volatile Organic Compounds (as total carbon) other than from coating mixing vessels, organic solvent cleaning or degreasing operations or chemical stripping operations.	50 $mg.m^{-3}$
Volatile Organic Compounds (as total carbon) from coating mixing vessels, organic solvent cleaning or degreasing operations or chemical stripping operations where the individual source gives rise to a mass emission of chlorinated volatile organic compounds which exceeds 1% of the total solvent holding capacity of the equipment in any 8 hour period.	20 $mg.m^{-3}$

5.1 Spray Booths

The paints in use during tests on all booths were PR143 epoxy primers, and FE93/832 glossy topcoats, in various colours.

5.1.1 Total Particulate Matter

Emission releases of total particulate matter were significantly below the 50 $mg.m^{-3}$ limit for all spray booths tested, thus achieving compliance with the Environmental Protection Act 1990. The highest average measured value was from DAS 1 spraybooth, at 1.2 $mg.m^{-3}$.

5.1.2 Volatile Organic Compounds

For all spraybooths, the average VOC emissions were below the 50 $mg.m^{-3}$ limit.

5.1.3 Isocyanates

Isocyanate results for all booths were less than the analytical limit of detection, which is 0.001$mg.m^{-3}$, and were therefore all well below the emissions limit of 0.1 $mg.m^{-3}$

5.2 Paint Kitchens

5.2.1 Volatile Organic Compounds

For all paint kitchens, sampling covered periods of no activity as well as mixing and gun cleaning.

For DAS 1 and DAIPC paint kitchens, the average VOC emissions were below the 50 $mg.m^{-3}$ limit.

The average result from the Wheel & Brake paint kitchen was above the limit at an average of 99.5 $mg.m^{-3}$.

5.3 Ovens

5.3.1 Volatile Organic Compounds

For all ovens, sampling periods covered an entire oven cycle.

Emissions of volatile organic compounds from DAS 1, DAS 2 and DAIPC ovens were well below the authorised limit of 50 $mg.m^{-3}$, thus demonstrating compliance with the Environmental Protection Act 1990.

Emissions from the W & B Oven were above the limit at 63.6 $mg.m^{-3}$.

5.4 Degreasers — Need 2B in permit? a limit?

5.4.1 Volatile Organic Compounds 20mg/m³

Emissions of volatile organic compounds from the DAS 1 degreaser, at an average of 207.2 $mg.m^{-3}$, the DAS 2 degreaser, at an average of 108.3 $mg.m^{-3}$ and the Wheel & Brake degreaser, at 48.7 $mg.m^{-3}$ were above the authorised limit of 20 $mg.m^{-3}$. However, this limit is only applicable where the mass emission in 8 hours is above 1% of the solvent holding capacity of the tank, it therefore does not apply to either unit.

All three tanks have a solvent capacity of 350 litres. The density of Trichloroethylene (TCE) is 1.46 kg/litre, and therefore the capacity of each is 510kg. From the average emission concentrations and the volumetric flowrates, the mass emissions over 8 hours were calculated to be as follows:

Wheel and Brake Degreaser, TCE emissions = 0.51 kg in 8 hours (0.1% of capacity)

DAS 1 Degreaser, TCE emissions = 1.27 kg in 8 hours (0.25 % of capacity)

DAS 2 Degreaser, TCE emissions = 1.82 kg in 8 hours (0.36 % of capacity)

6 CONCLUSIONS

From the data reported it can be seen that most of the processes demonstrate compliance with the authorisation under normal and typical workloads.

Only two stacks were above the VOC emissions limit, these were the wheel and brake oven and the wheel and brake kitchen/ paint mix room.

7 APPENDICES

Appendix I: Detailed Isocyanate & VOC Results Tables

Appendix II: Detailed Particulate & Flowrate Results Tables

Appendix III: VOC Profiling Data

APPENDIX I

DETAILED ISOCYANATE & VOC RESULTS TABLES

ISOCYANATE RELEASE DATA FOR DUNLOP AEROSPACE BRAKING SYSTEMS

			ENVIRONMENTAL RELEASE LEVELS	
	STACK REFERENCE AND ACTIVITY MONITORED		DAIPC SPRAYBOOTH	
	TIME OF SAMPLING		10:09 – 10:29	11:17 – 11:47
	DATE OF SAMPLING		23rd March 2005	
ANALYTE(S)	UNITS	RELEASE LIMIT		
Isocyanate (As NCO Group)	$mg.m^{-3}$	0.1	<0.001	<0.001

[1] Release data and stack flow parameters have been corrected for standard temperature (273°K) and pressure (101.3kPa) but no correction has been made for water vapour.

ISOCYANATE RELEASE DATA FOR DUNLOP AEROSPACE BRAKING SYSTEMS

			ENVIRONMENTAL RELEASE LEVELS[1]	
	STACK REFERENCE AND ACTIVITY MONITORED		DAS 2 SPRAYBOOTH	
	TIME OF SAMPLING		10:15 – 10:45	10:48 – 11:18
	DATE OF SAMPLING		21st March 2005	
ANALYTE(S)	UNITS	RELEASE LIMIT		
Isocyanate (As NCO Group)	$mg.m^{-3}$	0.1	<0.001	<0.001

[1] Release data and stack flow parameters have been corrected for standard temperature (273°K) and pressure (101.3kPa) but no correction has been made for water vapour.

ISOCYANATE RELEASE DATA FOR DUNLOP AEROSPACE BRAKING SYSTEMS

			ENVIRONMENTAL RELEASE LEVELS	
	STACK REFERENCE AND ACTIVITY MONITORED		WHEEL & BRAKE SPRAYBOOTH (RHS)	
	TIME OF SAMPLING		10:55 – 11:25	13:09 – 13:39
	DATE OF SAMPLING		22nd March 2005	
ANALYTE(S)	UNITS	RELEASE LIMIT		
Isocyanate (As NCO Group)	$mg.m^{-3}$	0.1	<0.001	<0.001

[1] **Release data and stack flow parameters have been corrected for standard temperature (273°K) and pressure (101.3kPa) but no correction has been made for water vapour.**

ISOCYANATE RELEASE DATA FOR DUNLOP AEROSPACE BRAKING SYSTEMS

			ENVIRONMENTAL RELEASE LEVELS	
	STACK REFERENCE AND ACTIVITY MONITORED		DAS 1 SPRAYBOOTH	
	TIME OF SAMPLING		13:21 – 13:51	13:52 – 14:22
	DATE OF SAMPLING		21st March 2005	
ANALYTE(S)	UNITS	RELEASE LIMIT		
Isocyanate (As NCO Group)	$mg.m^{-3}$	0.1	<0.001	<0.001

[1] **Release data and stack flow parameters have been corrected for standard temperature (273°K) and pressure (101.3kPa) but no correction has been made for water vapour.**

VOC RELEASE DATA FOR DUNLOP AEROSPACE BRAKING SYSTEMS

			ENVIRONMENTAL RELEASE LEVELS[1]	
	STACK REFERENCE AND ACTIVITY MONITORED		WHEEL & BRAKE DEGREASER	
	TIME OF SAMPLING		09:57 – 10:39	10:43 – 11:17
	DATE OF SAMPLING		22nd March 2005	
ANALYTE(S)	UNITS	RELEASE LIMIT		
VOC (TCE)	$mg.m^{-3}$	20	55.6	41.8

[1] Release data and stack flow parameters have been corrected for standard temperature (273°K) and pressure (101.3kPa) but no correction has been made for water vapour.

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VOC RELEASE DATA FOR DUNLOP AEROSPACE BRAKING SYSTEMS

			ENVIRONMENTAL RELEASE LEVELS[1]	
	STACK REFERENCE AND ACTIVITY MONITORED		DAS 2 DEGREASER	
	TIME OF SAMPLING		10:27 – 10:59	11:01 – 11:31
	DATE OF SAMPLING		21st March 2005	
ANALYTE(S)	UNITS	RELEASE LIMIT		
VOC (TCE)	$mg.m^{-3}$	20	114.8	101.8

[1] Release data and stack flow parameters have been corrected for standard temperature (273°K) and pressure (101.3kPa) but no correction has been made for water vapour.

VOC RELEASE DATA FOR DUNLOP AEROSPACE BRAKING SYSTEMS

			ENVIRONMENTAL RELEASE LEVELS[1]	
	STACK REFERENCE AND ACTIVITY MONITORED		DAS 1 DEGREASER	
	TIME OF SAMPLING		13:24 – 13:54	13:58 – 14:28
	DATE OF SAMPLING		21st March 2005	
ANALYTE(S)	UNITS	RELEASE LIMIT		
VOC (TCE)	$mg.m^{-3}$	20	211.4	202.9

[1] **Release data and stack flow parameters have been corrected for standard temperature (273°K) and pressure (101.3kPa) but no correction has been made for water vapour.**

APPENDIX II

DETAILED PARTICULATE & FLOWRATE RESULTS TABLES

APPENDIX III

VOC PROFILING DATA

Plant Type	DAS 1 Spraybooth	Stack Area (m²)	0.723
Job Number	OEH 33551	Meter Temp (C)	25
Client Name	Dunlop ABS	Stack Dimensions (cm)	85 x 85
Date	21st March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	-101
		Ambient Pressure (kPa)	101.3
		Nozzle Size (mm)	5.00

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.125	0.250	0.375	0.450	0.550	0.625	0.750	0.875	0.935
Pitot Reading (Pa)	*48*	*45*	*41*	*42*	*36*	*28*	*24*	*20*	*22*	*20*
Temperature (°C)	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*
Duct Velocity (m/s)	8.9	8.6	8.2	8.3	7.7	6.8	6.3	5.7	6.0	5.7
Traverse Point	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
Distance From Near Wall (D)	0.065	0.125	0.250	0.375	0.450	0.550	0.625	0.750	0.875	0.935
Pitot Reading (Pa)	*34*	*36*	*43*	*36*	*34*	*31*	*29*	*21*	*23*	*23*
Temperature (°C)	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*
Duct Velocity (m/s)	7.5	7.7	8.4	7.7	7.5	7.2	6.9	5.9	6.2	6.2

Absolute Mean Duct Velocity (m/s)	7.2
Absolute Flow Rate (m³/hr)	18658
Normalised Flow Rate (Nm³/hr)	17503

Sampling Run 1 **Time: 13:20 - 13:50**

Sampling Point	A3	A8	B3	B8
Sampling Rate (l/min)	*11.4*	*7.9*	*11.7*	*8.2*
Sampling Duration (mins)	*7.5*	*7.5*	*7.5*	*7.5*
Filter No	*9445*	*9445*	*9445*	*9445*
Volume Sampled (m³)	Meter	0.300	Expectec	0.294

Initial Meter Reading (l)	895000
Final Meter Reading (l)	895300
Volume Sampled (l)	300
Isokineticity Error (%)	2.0
(Maximum Allowed Error = -5 to +15%)	

Corrected Volume = 0.27 Nm³ (at NTP)

Sampling Run 2 **Time: 13:53 - 14:23**

Sampling Point	A3	A8	B3	B8
Sampling Rate (l/min)	*11.4*	*7.9*	*11.7*	*8.2*
Sampling Duration (mins)	*7.5*	*7.5*	*7.5*	*7.5*
Filter No	*9444*	*9444*	*9444*	*9444*
Volume Sampled (m³)	Meter	0.300	Expectec	0.294

Initial Meter Reading (l)	895300
Final Meter Reading (l)	895600
Volume Sampled (l)	300
Isokineticity Error (%)	2.0
(Maximum Allowed Error = -5 to +15%)	

Corrected Volume = 0.27 Nm³ (at NTP)

FILTER WEIGHTS **WASHINGS WEIGHTS**

Test Number	Filter No	Pre-Weight (mg)	Post-Weight (mg)	Pre-Weight (mg)	Post-Weight (mg)	Gain (mg)
1	9445	56.21	56.55	0.00	0.00	0.34
2	9444	57.27	57.57	0.00	0.00	0.30

TEST RESULTS

	Test 1	Test 2	Mean
Particulate Concentration(mg/Nm³)	1.2	1.1	1.2
Mass Emission (g/hr)	22	19	20

Plant Type	DAS 2 Spraybooth	Stack Area (m²)	0.503
Job Number	OEH 33551	Meter Temp (C)	25
Client Name	Dunlop ABS	Stack Diameter (cm)	80
Date	21st March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	451
		Ambient Pressure (kPa)	101.3
		Nozzle Size (mm)	5.00

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*33*	*36*	*38*	*43*	*44*	*41*	*46*	*50*	*50*	*52*
Temperature (°C)	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*
Duct Velocity (m/s)	7.4	7.7	7.9	8.4	8.5	8.2	8.7	9.1	9.1	9.3
Traverse Point	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*34*	*36*	*39*	*42*	*43*	*41*	*45*	*47*	*50*	*53*
Temperature (°C)	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*
Duct Velocity (m/s)	7.5	7.7	8.0	8.3	8.4	8.2	8.6	8.8	9.1	9.4

Absolute Mean Duct Velocity (m/s)	8.4
Absolute Flow Rate (m³/hr)	15265
Normalised Flow Rate (Nm³/hr)	14278

Sampling Run 1 **Time: 10:15 - 10:45**

Sampling Point	A2	A9	B2	B9
Sampling Rate (l/min)	*10.0*	*12.0*	*10.0*	*12.0*
Sampling Duration (mins)	*7.5*	*7.5*	*7.5*	*7.5*
Filter No	*9441*	*9441*	*9441*	*9441*
Volume Sampled (m³)	Meter	0.332	Expected	0.330

Initial Meter Reading (l)	894338
Final Meter Reading (l)	894670
Volume Sampled (l)	332
Isokineticity Error (%)	0.6
(Maximum Allowed Error = -5 to +15%)	

Corrected Volume = 0.30 Nm³ (at NTP)

Sampling Run 2 **Time: 11:25 - 11:55**

Sampling Point	A2	A9	B2	B9
Sampling Rate (l/min)	*10.0*	*12.0*	*10.0*	*12.0*
Sampling Duration (mins)	*7.5*	*7.5*	*7.5*	*7.5*
Filter No	*9439*	*9439*	*9439*	*9439*
Volume Sampled (m³)	Meter	0.327	Expected	0.330

Initial Meter Reading (l)	894670
Final Meter Reading (l)	894997
Volume Sampled (l)	327
Isokineticity Error (%)	-0.9
(Maximum Allowed Error = -5 to +15%)	

Corrected Volume = 0.30 Nm³ (at NTP)

FILTER WEIGHTS **WASHINGS WEIGHTS**

Test Number	Filter No	Pre-Weight (mg)	Post-Weight (mg)	Pre-Weight (mg)	Post-Weight (mg)	Gain (mg)
1	9441	56.75	56.96	0.00	0.00	0.21
2	9439	55.77	55.97	0.00	0.00	0.20

TEST RESULTS

	Test 1	Test 2	Mean
Particulate Concentration(mg/Nm³)	0.7	0.7	0.7
Mass Emission (g/hr)	10	10	10

Plant Type	W & B Spraybooth (RHS)	Stack Area (m²)	0.476
Job Number	OEH 33551	Meter Temp (C)	25
Client Name	Dunlop ABS	Stack Dimensions (cm)	69 x 69
Date	22nd March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	90
		Ambient Pressure (kPa)	101.3
		Nozzle Size (mm)	5.00

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.125	0.250	0.375	0.450	0.550	0.625	0.750	0.875	0.935
Pitot Reading (Pa)	*26*	*29*	*21*	*11*	*16*	*14*	*26*	*20*	*22*	*14*
Temperature (°C)	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*
Duct Velocity (m/s)	6.6	6.9	5.9	4.3	5.1	4.8	6.6	5.8	6.0	4.8
Traverse Point	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
Distance From Near Wall (D)	0.065	0.125	0.250	0.375	0.450	0.550	0.625	0.750	0.875	0.935
Pitot Reading (Pa)	*54*	*65*	*52*	*47*	*46*	*30*	*25*	*22*	*20*	*31*
Temperature (°C)	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*
Duct Velocity (m/s)	9.5	10.4	9.3	8.8	8.7	7.0	6.4	6.0	5.8	7.2

Absolute Mean Duct Velocity (m/s)	**6.8**
Absolute Flow Rate (m³/hr)	**11644**
Normalised Flow Rate (Nm³/hr)	**10896**

Sampling Run 1 **Time: 10:55 - 11:25**

Sampling Point	A3	A8	B3	B8
Sampling Rate (l/min)	*7.5*	*7.4*	*11.3*	*7.3*
Sampling Duration (mins)	*7.5*	*7.5*	*7.5*	*7.5*
Filter No	*9557*	*9557*	*9557*	*9557*
Volume Sampled (m³)	Meter	0.244	Expected	0.251

Initial Meter Reading (l) 895666
Final Meter Reading (l) 895910
Volume Sampled (l) 244
Isokineticity Error (%) -2.9
(Maximum Allowed Error = -5 to +15%)

Corrected Volume = 0.22 Nm³ (at NTP)

Sampling Run 2 **Time: 13:09 - 13:39**

Sampling Point	A3	A8	B3	B8
Sampling Rate (l/min)	*7.5*	*7.4*	*11.3*	*7.3*
Sampling Duration (mins)	*7.5*	*7.5*	*7.5*	*7.5*
Filter No	*9559*	*9559*	*9559*	*9559*
Volume Sampled (m³)	Meter	0.239	Expected	0.251

Initial Meter Reading (l) 895911
Final Meter Reading (l) 896150
Volume Sampled (l) 239
Isokineticity Error (%) -4.9
(Maximum Allowed Error = -5 to +15%)

Corrected Volume = 0.22 Nm³ (at NTP)

	FILTER WEIGHTS			WASHINGS WEIGHTS		
Test Number	Filter No	Pre-Weight (mg)	Post-Weight (mg)	Pre-Weight (mg)	Post-Weight (mg)	Gain (mg)
1	9557	55.14	55.30	0.00	0.00	0.16
2	9559	53.99	54.06	0.00	0.00	0.07

TEST RESULTS

	Test 1	Test 2	Mean
Particulate Concentration(mg/Nm³)	**0.7**	**0.3**	**0.5**
Mass Emission (g/hr)	**8**	**3**	**6**

Plant Type	DAIPC Spraybooth	Stack Area (m²)	0.850
Job Number	OEH 33551	Meter Temp (C)	25
Client Name	Dunlop ABS	Stack Dimensions (cm)	85 x 100
Date	23rd March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	728
		Ambient Pressure (kPa)	101.3
		Nozzle Size (mm)	5.00

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.125	0.250	0.375	0.450	0.550	0.625	0.750	0.875	0.935
Pitot Reading (Pa)	*90*	*103*	*75*	*56*	*77*	*60*	*61*	*52*	*43*	*40*
Temperature (°C)	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*
Duct Velocity (m/s)	12.3	13.1	11.2	9.7	11.4	10.0	10.1	9.3	8.5	8.2
Traverse Point	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
Distance From Near Wall (D)	0.065	0.125	0.250	0.375	0.450	0.550	0.625	0.750	0.875	0.935
Pitot Reading (Pa)	*12*	*21*	*21*	*34*	*39*	*32*	*51*	*48*	*45*	*51*
Temperature (°C)	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*
Duct Velocity (m/s)	4.5	5.9	5.9	7.6	8.1	7.3	9.3	9.0	8.7	9.3

Absolute Mean Duct Velocity (m/s)	**9.0**
Absolute Flow Rate (m³/hr)	**27450**
Normalised Flow Rate (Nm³/hr)	**25499**

Sampling Run 1 **Time: 10:09 - 10:29**

Sampling Point	A3	A8	B3	B8
Sampling Rate (l/min)	*14.0*	*11.7*	*7.4*	*11.3*
Sampling Duration (mins)	*5*	*5*	*5*	*5*
Filter No	*9550*	*9550*	*9550*	*9550*
Volume Sampled (m³)	Meter	0.218	Expectec	0.222

Initial Meter Reading (l)	896181
Final Meter Reading (l)	896399
Volume Sampled (l)	218
Isokineticity Error (%)	-1.8

(Maximum Allowed Error = -5 to +15%)

Corrected Volume = 0.20 Nm³ (at NTP)

Sampling Run 2 **Time: 11:17 - 11:47**

Sampling Point	A3	A8	B3	B8
Sampling Rate (l/min)	*14.0*	*11.7*	*7.4*	*11.3*
Sampling Duration (mins)	*7.5*	*7.5*	*7.5*	*7.5*
Filter No	*9551*	*9551*	*9551*	*9551*
Volume Sampled (m³)	Meter	0.335	Expectec	0.333

Initial Meter Reading (l)	896399
Final Meter Reading (l)	896734
Volume Sampled (l)	335
Isokineticity Error (%)	0.6

(Maximum Allowed Error = -5 to +15%)

Corrected Volume = 0.31 Nm³ (at NTP)

	FILTER WEIGHTS			WASHINGS WEIGHTS		
Test Number	Filter No	Pre-Weight (mg)	Post-Weight (mg)	Pre-Weight (mg)	Post-Weight (mg)	Gain (mg)
1	9550	55.84	55.86	0.00	0.00	0.02
2	9551	55.88	55.90	0.00	0.00	0.02

TEST RESULTS

	Test 1	Test 2	Mean
Particulate Concentration(mg/Nm³)	**0.10**	**0.07**	**0.08**
Mass Emission (g/hr)	**2.55**	**1.66**	**2.11**

Plant Type	DAS 1 Degreaser	Stack Area (m²)	0.018
Job Number	OEH 33551	Ambient Temp (C)	19
Client Name	Dunlop ABS	Stack Diameter (cm)	15
Date	21st March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	200
		Ambient Pressure (kPa)	101.3

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*125*	*122*	*119*	*105*	*104*	*103*	*99*	*87*	*75*	*71*
Temperature (°C)	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*
Duct Velocity (m/s)	14.4	14.2	14.0	13.2	13.1	13.0	12.8	12.0	11.1	10.8

Absolute Mean Duct Velocity (m/s)	12.9
Absolute Flow Rate (m³/hr)	818
Normalised Flow Rate (Nm³/hr)	769

Plant Type	DAS 2 Degreaser	Stack Area (m^2)	0.018
Job Number	OEH 33551	Ambient Temp (C)	19
Client Name	Dunlop ABS	Stack Diameter (cm)	15
Date	21st March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	-1650
		Ambient Pressure (kPa)	101.3

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*760*	*770*	*780*	*790*	*810*	*840*	*830*	*770*	*740*	*710*
Temperature (°C)	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*
Duct Velocity (m/s)	35.5	35.7	35.9	36.2	36.6	37.3	37.1	35.7	35.0	34.3

Absolute Mean Duct Velocity (m/s)	35.9
Absolute Flow Rate (m^3/hr)	2286
Normalised Flow Rate (Nm^3/hr)	2103

Plant Type	W & B Degreaser	Stack Area (m^2)	0.031
Job Number	OEH 33551	Ambient Temp (C)	18
Client Name	Dunlop ABS	Stack Diameter (cm)	20
Date	22nd March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	95
		Ambient Pressure (kPa)	101.3

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*60*	*85*	*92*	*86*	*100*	*111*	*107*	*104*	*95*	*91*
Temperature (°C)	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*
Duct Velocity (m/s)	10.0	11.9	12.4	12.0	13.0	13.6	13.4	13.2	12.6	12.4

Absolute Mean Duct Velocity (m/s)	**12.5**
Absolute Flow Rate (m^3/hr)	**1410**
Normalised Flow Rate (Nm^3/hr)	**1302**

Plant Type	DAS 1 Paint Mix	Stack Area (m^2)	0.049
Job Number	OEH 33551	Ambient Temp (C)	19
Client Name	Dunlop ABS	Stack Diameter (cm)	25
Date	21st March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	60
		Ambient Pressure (kPa)	101.3

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*53*	*27*	*102*	*10*	*15*	*78*	*54*	*28*	*30*	*17*
Temperature (°C)	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*	*18*
Duct Velocity (m/s)	9.4	6.7	13.0	4.1	5.0	11.3	9.4	6.8	7.0	5.3

Absolute Mean Duct Velocity (m/s)	7.8
Absolute Flow Rate (m^3/hr)	1378
Normalised Flow Rate (Nm^3/hr)	1294

Plant Type	W & B Paint Mix	Stack Area (m²)	0.071
Job Number	OEH 33551	Ambient Temp (C)	19
Client Name	Dunlop ABS	Stack Diameter (cm)	30
Date	22nd March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	12
		Ambient Pressure (kPa)	101.3

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*20*	*23*	*24*	*15*	*17*	*14*	*8*	*12*	*9*	*10*
Temperature (°C)	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*
Duct Velocity (m/s)	5.8	6.2	6.3	5.0	5.3	4.8	3.6	4.5	3.9	4.1

Absolute Mean Duct Velocity (m/s)	4.9
Absolute Flow Rate (m³/hr)	1259
Normalised Flow Rate (Nm³/hr)	1173

Plant Type	DAIPC Paint Mix	Stack Area (m^2)	0.196
Job Number	OEH 33551	Ambient Temp (C)	23
Client Name	Dunlop ABS	Stack Diameter (cm)	50
Date	23rd March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	2
		Ambient Pressure (kPa)	101.3

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*21*	*19*	*19*	*18*	*18*	*17*	*16*	*10*	*24*	*10*
Temperature (°C)	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*	*23*
Duct Velocity (m/s)	5.9	5.6	5.6	5.5	5.5	5.3	5.2	4.1	6.3	4.1

Absolute Mean Duct Velocity (m/s)	5.3
Absolute Flow Rate (m^3/hr)	3768
Normalised Flow Rate (Nm^3/hr)	3475

Plant Type	DAS 1 Oven	Stack Area (m^2)	0.049
Job Number	OEH 33551	Ambient Temp (C)	23
Client Name	Dunlop ABS	Stack Diameter (cm)	25
Date	22nd March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	-16
		Ambient Pressure (kPa)	101.3

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
Temperature (°C)	*85*	*85*	*85*	*85*	*85*	*85*	*85*	*85*	*85*	*85*
Duct Velocity (m/s)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

Absolute Mean Duct Velocity (m/s)	**1.4**
Absolute Flow Rate (m^3/hr)	**252**
Normalised Flow Rate (Nm^3/hr)	**192**

Plant Type	DAS 2 Oven	Stack Area (m²)	0.049
Job Number	OEH 33551	Ambient Temp (C)	19
Client Name	Dunlop ABS	Stack Diameter (cm)	25
Date	21st March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	-12
		Ambient Pressure (kPa)	101.3

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*8*	*9*	*11*	*10*	*9*	*11*	*11*	*10*	*10*	*9*
Temperature (°C)	*95*	*95*	*95*	*95*	*95*	*95*	*95*	*95*	*95*	*95*
Duct Velocity (m/s)	4.1	4.3	4.8	4.6	4.3	4.8	4.8	4.6	4.6	4.3

Absolute Mean Duct Velocity (m/s)	4.5
Absolute Flow Rate (m³/hr)	798
Normalised Flow Rate (Nm³/hr)	592

Plant Type	W & B Oven	Stack Area (m^2)	0.049
Job Number	OEH 33551	Ambient Temp (C)	19
Client Name	Dunlop ABS	Stack Diameter (cm)	25
Date	22nd March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	-9
		Ambient Pressure (kPa)	101.3

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	*2*	*2*	*1*	*1*	*1*	*2*	*2*	*1*	*1*	*2*
Temperature (°C)	*60*	*60*	*60*	*60*	*60*	*60*	*60*	*60*	*60*	*60*
Duct Velocity (m/s)	1.9	1.9	1.4	1.4	1.4	1.9	1.9	1.4	1.4	1.9

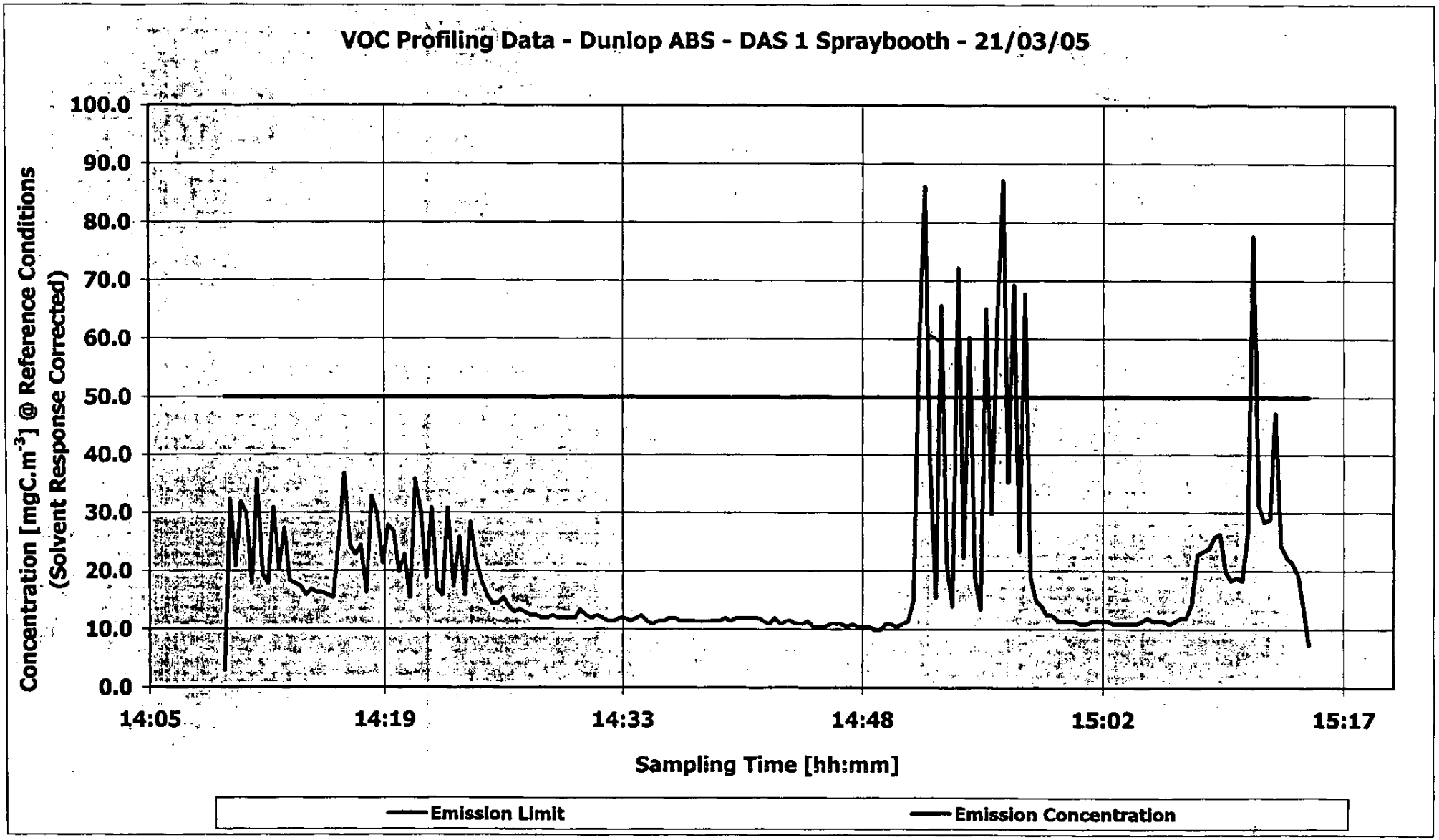
Absolute Mean Duct Velocity (m/s)	1.7
Absolute Flow Rate (m^3/hr)	293
Normalised Flow Rate (Nm^3/hr)	240

Plant Type	DAIPC Oven	Stack Area (m²)	0.042
Job Number	OEH 33551	Ambient Temp (C)	23
Client Name	Dunlop ABS	Stack Diameter (cm)	23
Date	23rd March 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	-11
		Ambient Pressure (kPa)	101.3

PITOT SURVEY

Traverse Point	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Distance From Near Wall (D)	0.065	0.150	0.250	0.350	0.450	0.550	0.650	0.750	0.850	0.935
Pitot Reading (Pa)	2	2	3	2	2	3	2	2	2	2
Temperature (°C)	70	70	70	70	70	70	70	70	70	70
Duct Velocity (m/s)	2.0	2.0	2.4	2.0	2.0	2.4	2.0	2.0	2.0	2.0

Absolute Mean Duct Velocity (m/s)	2.1
Absolute Flow Rate (m³/hr)	308
Normalised Flow Rate (Nm³/hr)	245


VOC Profiling Data - Dunlop ABS - DAS 1 Spraybooth - 21/03/05
Concentration [mgC.m-3] @ Reference Conditions
(Solvent Response Corrected)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
14:05
14:19
14:33
14:48
15:02
15:17
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

		Technical Details	
Job Ref:	**OEH 33551**		
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Booth**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13925/26**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
14:09:35	0.8	18	2.98
14:09:55	8.8	18	32.34
14:10:15	5.7	18	20.90
14:10:35	8.7	18	31.87
14:10:55	8.2	18	29.89
14:11:15	4.9	18	17.92
14:11:35	9.8	18	35.84
14:11:55	5.3	18	19.44
14:12:15	4.9	18	17.92
14:12:35	8.4	18	30.88
14:12:55	5.6	18	20.43
14:13:15	7.5	18	27.38
14:13:35	5.0	18	18.38
14:13:55	4.9	18	17.92
14:14:15	4.7	18	17.39
14:14:35	4.4	18	15.94
14:14:55	4.6	18	16.93
14:15:15	4.5	18	16.40
14:15:35	4.5	18	16.40
14:15:55	4.4	18	15.94
14:16:15	4.2	18	15.41
14:16:35	7.1	18	25.86
14:16:55	10.1	18	36.83
14:17:15	6.7	18	24.40
14:17:35	6.2	18	22.88
14:17:55	6.7	18	24.40
14:18:15	4.5	18	16.40
14:18:35	9.0	18	32.87
14:18:55	8.2	18	29.89
14:19:15	5.8	18	21.43
14:19:35	7.6	18	27.84
14:19:55	7.3	18	26.85
14:20:15	5.4	18	19.90
14:20:35	6.2	18	22.88
14:20:55	4.2	18	15.41
14:21:15	9.8	18	35.84
14:21:35	8.3	18	30.35
14:21:55	5.2	18	18.91
14:22:15	8.4	18	30.88
14:22:35	4.6	18	16.93
14:22:55	4.4	18	15.94
14:23:15	8.4	18	30.88
14:23:35	4.7	18	17.39
14:23:55	7.1	18	25.86

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Booth**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13925/ 26**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
14:24:15	4.4	18	15.94
14:24:35	7.7	18	28.37
14:24:55	6.0	18	21.89
14:25:15	5.0	18	18.38
14:25:35	4.4	18	15.94
14:25:55	3.9	18	14.42
14:26:15	3.9	18	14.42
14:26:35	4.2	18	15.41
14:26:55	3.8	18	13.95
14:27:15	3.5	18	12.96
14:27:35	3.7	18	13.42
14:27:55	3.5	18	12.96
14:28:15	3.4	18	12.43
14:28:35	3.4	18	12.43
14:28:55	3.3	18	11.97
14:29:15	3.3	18	11.97
14:29:35	3.4	18	12.43
14:29:55	3.3	18	11.97
14:30:15	3.3	18	11.97
14:30:35	3.3	18	11.97
14:30:55	3.3	18	11.97
14:31:15	3.7	18	13.42
14:31:35	3.4	18	12.43
14:31:55	3.3	18	11.97
14:32:15	3.4	18	12.43
14:32:35	3.3	18	11.97
14:32:55	3.1	18	11.44
14:33:15	3.1	18	11.44
14:33:35	3.3	18	11.97
14:33:55	3.3	18	11.97
14:34:15	3.1	18	11.44
14:34:35	3.3	18	11.97
14:34:55	3.4	18	12.43
14:35:15	3.1	18	11.44
14:35:35	3.0	18	10.98
14:35:55	3.1	18	11.44
14:36:15	3.1	18	11.44
14:36:35	3.3	18	11.97
14:36:55	3.3	18	11.97
14:37:15	3.1	18	11.44
14:37:35	3.1	18	11.44
14:37:55	3.1	18	11.44
14:38:15	3.1	18	11.44
14:38:35	3.1	18	11.44

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Booth**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13925/ 26**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
14:38:55	3.1	18	11.44
14:39:15	3.1	18	11.44
14:39:35	3.1	18	11.44
14:39:55	3.3	18	11.97
14:40:15	3.1	18	11.44
14:40:35	3.3	18	11.97
14:40:55	3.3	18	11.97
14:41:15	3.3	18	11.97
14:41:35	3.3	18	11.97
14:41:55	3.3	18	11.97
14:42:15	3.1	18	11.44
14:42:35	3.0	18	10.98
14:42:55	3.3	18	11.97
14:43:15	3.0	18	10.98
14:43:35	3.1	18	11.44
14:43:55	3.1	18	11.44
14:44:15	3.0	18	10.98
14:44:35	3.0	18	10.98
14:44:55	3.1	18	11.44
14:45:15	2.9	18	10.45
14:45:35	2.9	18	10.45
14:45:55	2.9	18	10.45
14:46:15	3.0	18	10.98
14:46:35	3.0	18	10.98
14:46:55	3.0	18	10.98
14:47:15	2.9	18	10.45
14:47:35	3.0	18	10.98
14:47:55	2.9	18	10.45
14:48:15	2.9	18	10.45
14:48:35	2.9	18	10.45
14:48:55	2.7	18	9.92
14:49:15	2.7	18	9.92
14:49:35	3.0	18	10.98
14:49:55	3.0	18	10.98
14:50:15	2.9	18	10.45
14:50:35	3.0	18	10.98
14:50:55	3.1	18	11.44
14:51:15	4.1	18	14.94
14:51:35	15.9	18	58.26
14:51:55	23.5	18	86.10
14:52:15	10.5	18	38.35
14:52:35	4.2	18	15.41
14:52:55	17.9	18	65.73
14:53:15	5.8	18	21.43

VOC Emission Data

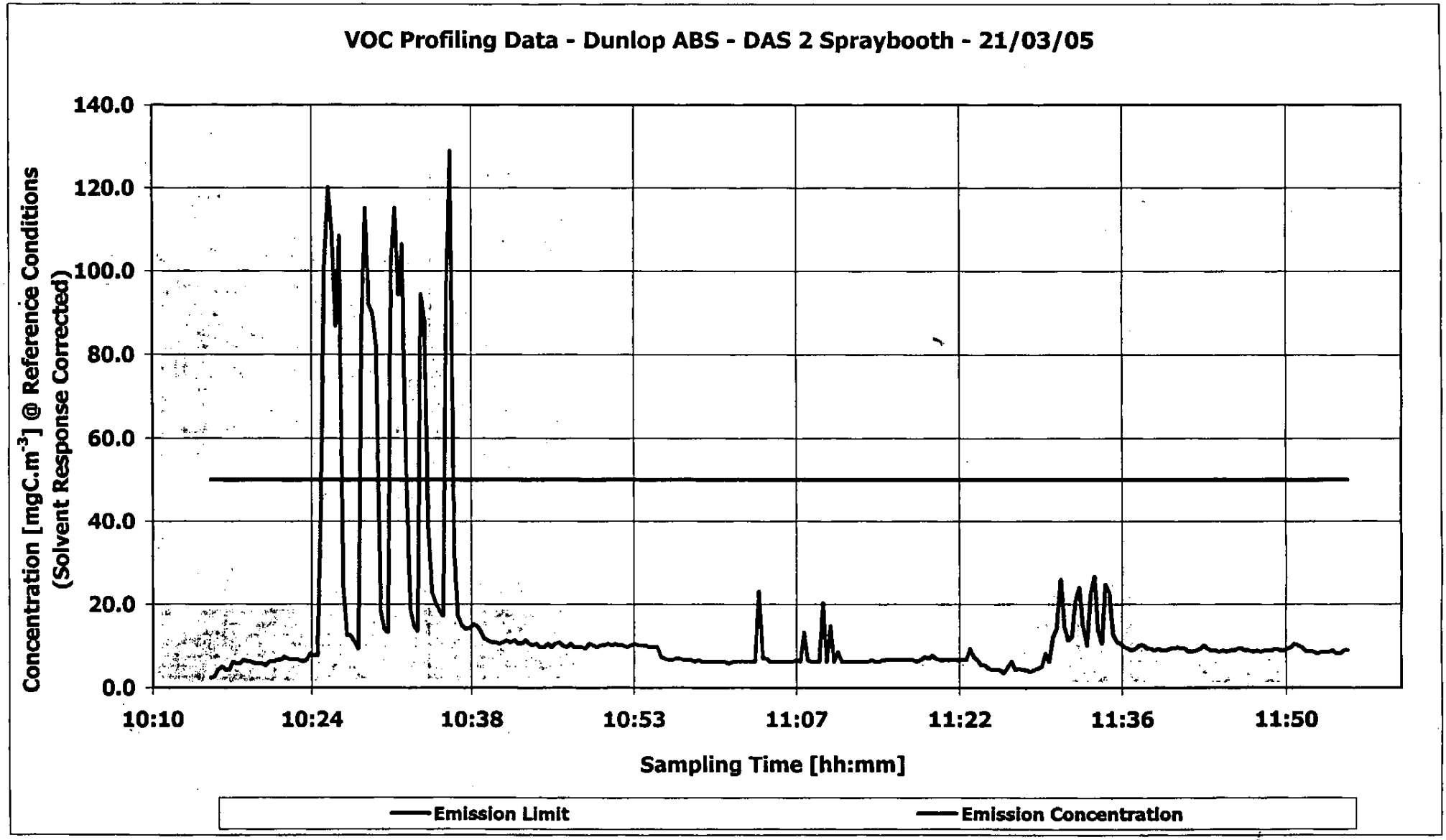
Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Booth**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13925/ 26**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
14:53:35	3.8	18	13.95
14:53:55	19.7	18	72.15
14:54:15	6.1	18	22.42
14:54:35	16.4	18	60.24
14:54:55	5.2	18	18.91
14:55:15	3.7	18	13.42
14:55:35	17.8	18	65.20
14:55:55	8.2	18	29.89
14:56:15	17.4	18	63.68
14:56:35	23.8	18	87.09
14:56:55	9.6	18	35.31
14:57:15	18.9	18	69.17
14:57:35	6.4	18	23.41
14:57:55	18.5	18	67.72
14:58:15	5.2	18	18.91
14:58:35	4.1	18	14.94
14:58:55	3.8	18	13.95
14:59:15	3.4	18	12.43
14:59:35	3.4	18	12.43
14:59:55	3.1	18	11.44
15:00:15	3.1	18	11.44
15:00:35	3.1	18	11.44
15:00:55	3.1	18	11.44
15:01:15	3.0	18	10.98
15:01:35	3.0	18	10.98
15:01:55	3.1	18	11.44
15:02:15	3.1	18	11.44
15:02:35	3.1	18	11.44
15:02:55	3.1	18	11.44
15:03:15	3.0	18	10.98
15:03:35	3.0	18	10.98
15:03:55	3.0	18	10.98
15:04:15	3.0	18	10.98
15:04:35	3.0	18	10.98
15:04:55	3.1	18	11.44
15:05:15	3.3	18	11.97
15:05:35	3.1	18	11.44
15:05:55	3.1	18	11.44
15:06:15	3.1	18	11.44
15:06:35	3.0	18	10.98
15:06:55	3.1	18	11.44
15:07:15	3.3	18	11.97
15:07:35	3.3	18	11.97
15:07:55	3.9	18	14.42

VOC Emission Data

		Technical Details	
Job Ref:	**OEH 33551**	**Instrument Type**	**FID**
Client Name:	**Dunlop ABS**	**Calib Gas**	**Methane**
Location:	**DAS 1 Booth**	**% C:**	**75**
Date:	**21-Mar-05**	**Sample Number:**	**SA 13925/ 26**
Scientist:	**AB/JL**	**Instrument Range:**	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
15:08:15	6.2	18	22.88
15:08:35	6.4	18	23.41
15:08:55	6.5	18	23.87
15:09:15	7.1	18	25.86
15:09:35	7.2	18	26.39
15:09:55	5.4	18	19.90
15:10:15	5.0	18	18.38
15:10:35	5.2	18	18.91
15:10:55	5.0	18	18.38
15:11:15	7.2	18	26.39
15:11:35	21.2	18	77.63
15:11:55	8.6	18	31.34
15:12:15	7.7	18	28.37
15:12:35	7.9	18	28.90
15:12:55	12.9	18	47.28
15:13:15	6.7	18	24.40
15:13:35	6.1	18	22.42
15:13:55	5.8	18	21.43
15:14:15	5.3	18	19.44
15:14:35	3.8	18	13.95
15:14:55	2.0	18	7.47
Average	**5.3**	**Average**	**19.5**


VOC Profiling Data - Dunlop ABS - DAS 2 Spraybooth - 21/03/05
Concentration [mgC.m-3] @ Reference Conditions (Solvent Response Corrected)
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
10:10
10:24
10:38
10:53
11:07
11:22
11:36
11:50
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

Job Ref:	**OEH 33551**
Client Name:	**Dunlop ABS**
Location:	**DAS 2 Booth**
Date:	**21-Mar-05**
Scientist:	**AB/JL**

Technical Details

Instrument Type	**FID**
Calib Gas	**Methane**
% C:	**75**
Sample Number:	**SA 13915/ 16**
Instrument Range:	**337**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:15:15	0.8	19	2.35
10:15:35	1.0	19	2.77
10:15:55	1.5	19	4.33
10:16:15	1.8	19	5.12
10:16:35	1.5	19	4.33
10:16:55	1.5	19	4.33
10:17:15	2.2	19	6.27
10:17:35	2.0	19	5.90
10:17:55	2.0	19	5.90
10:18:15	2.3	19	6.68
10:18:35	2.2	19	6.27
10:18:55	2.2	19	6.27
10:19:15	2.0	19	5.90
10:19:35	2.0	19	5.90
10:19:55	2.0	19	5.90
10:20:15	1.9	19	5.48
10:20:35	2.2	19	6.27
10:20:55	2.2	19	6.27
10:21:15	2.3	19	6.68
10:21:35	2.3	19	6.68
10:21:55	2.6	19	7.47
10:22:15	2.4	19	7.05
10:22:35	2.3	19	6.68
10:22:55	2.3	19	6.68
10:23:15	2.3	19	6.68
10:23:35	2.2	19	6.27
10:23:55	2.3	19	6.68
10:24:15	2.9	19	8.25
10:24:35	2.7	19	7.83
10:24:55	2.7	19	7.83
10:25:15	15.5	19	44.80
10:25:35	35.1	19	101.40
10:25:55	41.6	19	120.25
10:26:15	37.5	19	108.50
10:26:35	30.0	19	86.89
10:26:55	37.5	19	108.50
10:27:15	8.3	19	23.97
10:27:35	4.4	19	12.58
10:27:55	4.4	19	12.58
10:28:15	3.8	19	11.02
10:28:35	3.3	19	9.45
10:28:55	29.8	19	86.10
10:29:15	39.8	19	115.19
10:29:35	31.8	19	91.95

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 2 Booth**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13915/ 16**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
10:29:55	31.1	19	90.02
10:30:15	28.5	19	82.55
10:30:35	6.4	19	18.48
10:30:55	4.9	19	14.15
10:31:15	4.6	19	13.37
10:31:35	35.3	19	102.19
10:31:55	39.8	19	115.19
10:32:15	32.6	19	94.35
10:32:35	36.8	19	106.52
10:32:55	19.2	19	55.40
10:33:15	6.5	19	18.85
10:33:35	5.2	19	14.93
10:33:55	4.7	19	13.73
10:34:15	32.6	19	94.35
10:34:35	30.6	19	88.45
10:34:55	13.1	19	37.75
10:35:15	7.9	19	22.82
10:35:35	6.9	19	20.05
10:35:55	6.4	19	18.48
10:36:15	6.0	19	17.28
10:36:35	33.7	19	97.49
10:36:55	44.6	19	128.92
10:37:15	11.4	19	33.00
10:37:35	6.0	19	17.28
10:37:55	5.2	19	14.93
10:38:15	4.9	19	14.15
10:38:35	4.9	19	14.15
10:38:55	5.3	19	15.35
10:39:15	5.2	19	14.93
10:39:35	4.7	19	13.73
10:39:55	4.1	19	11.80
10:40:15	3.9	19	11.38
10:40:35	3.8	19	11.02
10:40:55	3.8	19	11.02
10:41:15	3.7	19	10.60
10:41:35	3.8	19	11.02
10:41:55	3.9	19	11.38
10:42:15	3.8	19	11.02
10:42:35	3.9	19	11.38
10:42:55	3.7	19	10.60
10:43:15	3.7	19	10.60
10:43:35	3.9	19	11.38
10:43:55	3.7	19	10.60
10:44:15	3.5	19	10.23

VOC Emission Data

		Technical Details	
Job Ref:	**OEH 33551**	**Instrument Type**	**FID**
Client Name:	**Dunlop ABS**	**Calib Gas**	**Methane**
Location:	**DAS 2 Booth**	**% C:**	**75**
Date:	**21-Mar-05**	**Sample Number:**	**SA 13915/ 16**
Scientist:	**AB/JL**	**Instrument Range:**	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:44:35	3.7	19	10.60
10:44:55	3.4	19	9.82
10:45:15	3.4	19	9.82
10:45:35	3.7	19	10.60
10:45:55	3.4	19	9.82
10:46:15	3.7	19	10.60
10:46:35	3.8	19	11.02
10:46:55	3.5	19	10.23
10:47:15	3.4	19	9.82
10:47:35	3.7	19	10.60
10:47:55	3.4	19	9.82
10:48:15	3.4	19	9.82
10:48:35	3.4	19	9.82
10:48:55	3.3	19	9.45
10:49:15	3.7	19	10.60
10:49:35	3.5	19	10.23
10:49:55	3.4	19	9.82
10:50:15	3.5	19	10.23
10:50:35	3.5	19	10.23
10:50:55	3.7	19	10.60
10:51:15	3.5	19	10.23
10:51:35	3.7	19	10.60
10:51:55	3.5	19	10.23
10:52:15	3.5	19	10.23
10:52:35	3.4	19	9.82
10:52:55	3.5	19	10.23
10:53:15	3.7	19	10.60
10:53:35	3.5	19	10.23
10:53:55	3.5	19	10.23
10:54:15	3.5	19	10.23
10:54:35	3.4	19	9.82
10:54:55	3.4	19	9.82
10:55:15	3.4	19	9.82
10:55:35	2.6	19	7.47
10:55:55	2.4	19	7.05
10:56:15	2.3	19	6.68
10:56:35	2.3	19	6.68
10:56:55	2.4	19	7.05
10:57:15	2.4	19	7.05
10:57:35	2.3	19	6.68
10:57:55	2.3	19	6.68
10:58:15	2.3	19	6.68
10:58:35	2.2	19	6.27
10:58:55	2.3	19	6.68

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 2 Booth**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13915/ 16**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
10:59:15	2.2	19	6.27
10:59:35	2.2	19	6.27
10:59:55	2.2	19	6.27
11:00:15	2.2	19	6.27
11:00:35	2.2	19	6.27
11:00:55	2.2	19	6.27
11:01:15	2.2	19	6.27
11:01:35	2.0	19	5.90
11:01:55	2.2	19	6.27
11:02:15	2.2	19	6.27
11:02:35	2.2	19	6.27
11:02:55	2.2	19	6.27
11:03:15	2.2	19	6.27
11:03:35	2.2	19	6.27
11:03:55	2.2	19	6.27
11:04:15	8.0	19	23.18
11:04:35	2.4	19	7.05
11:04:55	2.4	19	7.05
11:05:15	2.2	19	6.27
11:05:35	2.2	19	6.27
11:05:55	2.2	19	6.27
11:06:15	2.2	19	6.27
11:06:35	2.2	19	6.27
11:06:55	2.2	19	6.27
11:07:15	2.2	19	6.27
11:07:35	2.3	19	6.68
11:07:55	2.2	19	6.27
11:08:15	4.6	19	13.37
11:08:35	2.3	19	6.68
11:08:55	2.2	19	6.27
11:09:15	2.2	19	6.27
11:09:35	2.2	19	6.27
11:09:55	7.1	19	20.42
11:10:15	2.2	19	6.27
11:10:35	5.2	19	14.93
11:10:55	2.2	19	6.27
11:11:15	3.0	19	8.67
11:11:35	2.2	19	6.27
11:11:55	2.2	19	6.27
11:12:15	2.2	19	6.27
11:12:35	2.2	19	6.27
11:12:55	2.2	19	6.27
11:13:15	2.2	19	6.27
11:13:35	2.2	19	6.27

VOC Emission Data

		Technical Details	
Job Ref:	**OEH 33551**		
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 2 Booth**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13915/ 16**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
11:13:55	2.2	19	6.27
11:14:15	2.3	19	6.68
11:14:35	2.2	19	6.27
11:14:55	2.2	19	6.27
11:15:15	2.3	19	6.68
11:15:35	2.3	19	6.68
11:15:55	2.3	19	6.68
11:16:15	2.3	19	6.68
11:16:35	2.3	19	6.68
11:16:55	2.3	19	6.68
11:17:15	2.3	19	6.68
11:17:35	2.3	19	6.68
11:17:55	2.3	19	6.68
11:18:15	2.2	19	6.27
11:18:35	2.3	19	6.68
11:18:55	2.6	19	7.47
11:19:15	2.4	19	7.05
11:19:35	2.7	19	7.83
11:19:55	2.4	19	7.05
11:20:15	2.3	19	6.68
11:20:35	2.3	19	6.68
11:20:55	2.3	19	6.68
11:21:15	2.3	19	6.68
11:21:35	2.3	19	6.68
11:21:55	2.3	19	6.68
11:22:15	2.3	19	6.68
11:22:35	2.3	19	6.68
11:22:55	3.3	19	9.45
11:23:15	2.6	19	7.47
11:23:35	2.3	19	6.68
11:23:55	1.9	19	5.48
11:24:15	1.9	19	5.48
11:24:35	1.6	19	4.70
11:24:55	1.5	19	4.33
11:25:15	1.5	19	4.33
11:25:35	1.5	19	4.33
11:25:55	1.2	19	3.55
11:26:15	1.8	19	5.12
11:26:35	2.2	19	6.27
11:26:55	1.5	19	4.33
11:27:15	1.6	19	4.70
11:27:35	1.5	19	4.33
11:27:55	1.5	19	4.33
11:28:15	1.4	19	3.92

VOC Emission Data

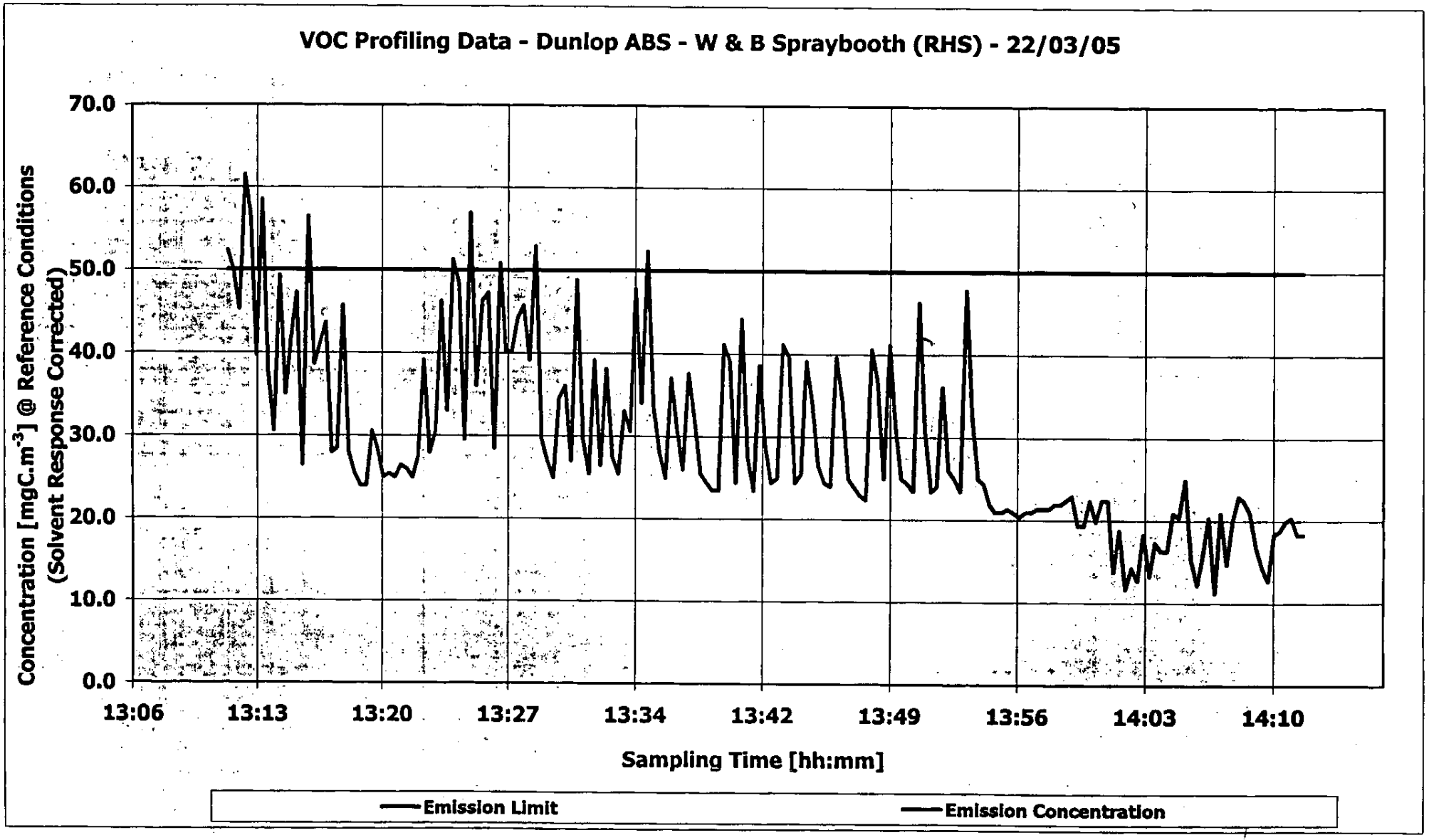
		Technical Details	
Job Ref:	**OEH 33551**	**Instrument Type**	**FID**
Client Name:	**Dunlop ABS**	**Calib Gas**	**Methane**
Location:	**DAS 2 Booth**	**% C:**	**75**
Date:	**21-Mar-05**	**Sample Number:**	**SA 13915/ 16**
Scientist:	**AB/JL**	**Instrument Range:**	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
11:28:35	1.5	19	4.33
11:28:55	1.6	19	4.70
11:29:15	1.8	19	5.12
11:29:35	2.9	19	8.25
11:29:55	2.2	19	6.27
11:30:15	4.2	19	12.17
11:30:35	4.9	19	14.15
11:30:55	9.0	19	25.95
11:31:15	5.0	19	14.52
11:31:35	3.9	19	11.38
11:31:55	4.2	19	12.17
11:32:15	7.2	19	20.83
11:32:35	8.3	19	23.97
11:32:55	5.2	19	14.93
11:33:15	3.5	19	10.23
11:33:35	7.7	19	22.40
11:33:55	9.2	19	26.73
11:34:15	4.7	19	13.73
11:34:35	3.7	19	10.60
11:34:55	8.6	19	24.75
11:35:15	7.9	19	22.82
11:35:35	4.5	19	12.95
11:35:55	3.8	19	11.02
11:36:15	3.7	19	10.60
11:36:35	3.4	19	9.82
11:36:55	3.3	19	9.45
11:37:15	3.1	19	9.03
11:37:35	3.3	19	9.45
11:37:55	3.5	19	10.23
11:38:15	3.5	19	10.23
11:38:35	3.3	19	9.45
11:38:55	3.3	19	9.45
11:39:15	3.1	19	9.03
11:39:35	3.3	19	9.45
11:39:55	3.1	19	9.03
11:40:15	3.1	19	9.03
11:40:35	3.3	19	9.45
11:40:55	3.3	19	9.45
11:41:15	3.4	19	9.82
11:41:35	3.3	19	9.45
11:41:55	3.3	19	9.45
11:42:15	3.0	19	8.67
11:42:35	3.0	19	8.67
11:42:55	3.1	19	9.03

VOC Emission Data

		Technical Details	
Job Ref:	**OEH 33551**	**Instrument Type**	**FID**
Client Name:	**Dunlop ABS**	**Calib Gas**	**Methane**
Location:	**DAS 2 Booth**	**% C:**	**75**
Date:	**21-Mar-05**	**Sample Number:**	**SA 13915/ 16**
Scientist:	**AB/JL**	**Instrument Range:**	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
11:43:15	3.3	19	9.45
11:43:35	3.5	19	10.23
11:43:55	3.3	19	9.45
11:44:15	3.1	19	9.03
11:44:35	3.1	19	9.03
11:44:55	3.0	19	8.67
11:45:15	3.1	19	9.03
11:45:35	3.0	19	8.67
11:45:55	3.1	19	9.03
11:46:15	3.1	19	9.03
11:46:35	3.3	19	9.45
11:46:55	3.3	19	9.45
11:47:15	3.1	19	9.03
11:47:35	3.1	19	9.03
11:47:55	3.0	19	8.67
11:48:15	3.1	19	9.03
11:48:35	3.0	19	8.67
11:48:55	3.1	19	9.03
11:49:15	3.1	19	9.03
11:49:35	3.1	19	9.03
11:49:55	3.3	19	9.45
11:50:15	3.1	19	9.03
11:50:35	3.1	19	9.03
11:50:55	3.3	19	9.45
11:51:15	3.4	19	9.82
11:51:35	3.7	19	10.60
11:51:55	3.5	19	10.23
11:52:15	3.4	19	9.82
11:52:35	3.0	19	8.67
11:52:55	3.0	19	8.67
11:53:15	3.0	19	8.67
11:53:35	2.9	19	8.25
11:53:55	3.0	19	8.67
11:54:15	3.0	19	8.67
11:54:35	3.0	19	8.67
11:54:55	3.1	19	9.03
11:55:15	2.9	19	8.25
11:55:35	2.9	19	8.25
11:55:55	3.1	19	9.03
11:56:15	3.1	19	9.03
Average	**5.2**	**Average**	**15.0**


VOC Profiling Data - Dunlop ABS - W & B Spraybooth (RHS) - 22/03/05
Concentration [mgC.m-3] @ Reference Conditions (Solvent Response Corrected)
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
13:06
13:13
13:20
13:27
13:34
13:42
13:49
13:56
14:03
14:10
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Booth (RHS)**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13935/36**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
13:11:28	14.0	19	52.39
13:11:48	13.3	19	49.88
13:12:08	12.1	19	45.29
13:12:28	16.4	19	61.58
13:12:48	15.1	19	56.51
13:13:08	10.6	19	39.68
13:13:28	15.6	19	58.54
13:13:48	10.1	19	37.65
13:14:08	8.2	19	30.55
13:14:28	13.2	19	49.34
13:14:48	9.4	19	35.08
13:15:08	11.1	19	41.71
13:15:28	12.6	19	47.32
13:15:48	7.1	19	26.43
13:16:08	15.1	19	56.51
13:16:28	10.3	19	38.66
13:16:48	11.0	19	41.23
13:17:08	11.7	19	43.73
13:17:28	7.5	19	27.98
13:17:48	7.6	19	28.46
13:18:08	12.2	19	45.76
13:18:28	7.5	19	27.98
13:18:48	6.8	19	25.42
13:19:08	6.4	19	23.93
13:19:28	6.4	19	23.93
13:19:48	8.2	19	30.55
13:20:08	7.6	19	28.46
13:20:28	6.7	19	24.94
13:20:48	6.8	19	25.42
13:21:08	6.7	19	24.94
13:21:28	7.1	19	26.43
13:21:48	6.9	19	25.96
13:22:08	6.7	19	24.94
13:22:28	7.3	19	27.44
13:22:48	10.5	19	39.20
13:23:08	7.5	19	27.98
13:23:28	8.2	19	30.55
13:23:48	12.4	19	46.30
13:24:08	8.8	19	33.05
13:24:28	13.7	19	51.37
13:24:48	12.9	19	48.33
13:25:08	7.9	19	29.54
13:25:28	15.2	19	56.98
13:25:48	9.6	19	36.10

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Booth (RHS)**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13935/36**
		Instrument Range:	**337**
		Emission Limit:?	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:26:08	12.4	19	46.30
13:26:28	12.6	19	47.32
13:26:48	7.6	19	28.46
13:27:08	13.6	19	50.90
13:27:28	10.7	19	40.22
13:27:48	10.7	19	40.22
13:28:08	11.8	19	44.27
13:28:28	12.2	19	45.76
13:28:48	10.5	19	39.20
13:29:08	14.1	19	52.93
13:29:28	7.9	19	29.54
13:29:48	7.2	19	26.97
13:30:08	6.7	19	24.94
13:30:28	9.2	19	34.61
13:30:48	9.6	19	36.10
13:31:08	7.2	19	26.97
13:31:28	13.1	19	48.87
13:31:48	7.9	19	29.54
13:32:08	6.8	19	25.42
13:32:28	10.5	19	39.20
13:32:48	7.1	19	26.43
13:33:08	10.2	19	38.19
13:33:28	7.3	19	27.44
13:33:48	6.8	19	25.42
13:34:08	8.8	19	33.05
13:34:28	8.2	19	30.55
13:34:48	12.8	19	47.86
13:35:08	9.1	19	34.07
13:35:28	14.0	19	52.39
13:35:48	9.0	19	33.59
13:36:08	7.5	19	27.98
13:36:28	6.7	19	24.94
13:36:48	9.9	19	37.11
13:37:08	8.3	19	31.03
13:37:28	6.9	19	25.96
13:37:48	10.1	19	37.65
13:38:08	8.6	19	32.04
13:38:28	6.8	19	25.42
13:38:48	6.5	19	24.40
13:39:08	6.2	19	23.39
13:39:28	6.2	19	23.39
13:39:48	11.0	19	41.23
13:40:08	10.5	19	39.20
13:40:28	6.5	19	24.40

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Booth (RHS)**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13935/36**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
13:40:48	11.8	19	44.27
13:41:08	7.3	19	27.44
13:41:28	6.2	19	23.39
13:41:48	10.3	19	38.66
13:42:08	7.7	19	29.00
13:42:28	6.5	19	24.40
13:42:48	6.7	19	24.94
13:43:08	11.0	19	41.23
13:43:28	10.6	19	39.68
13:43:48	6.5	19	24.40
13:44:08	6.8	19	25.42
13:44:28	10.5	19	39.20
13:44:48	9.1	19	34.07
13:45:08	7.1	19	26.43
13:45:28	6.5	19	24.40
13:45:48	6.4	19	23.93
13:46:08	10.6	19	39.68
13:46:28	9.2	19	34.61
13:46:48	6.7	19	24.94
13:47:08	6.4	19	23.93
13:47:28	6.1	19	22.91
13:47:48	6.0	19	22.37
13:48:08	10.9	19	40.69
13:48:28	9.8	19	36.64
13:48:48	6.7	19	24.94
13:49:08	11.0	19	41.23
13:49:28	8.4	19	31.57
13:49:48	6.7	19	24.94
13:50:08	6.5	19	24.40
13:50:28	6.2	19	23.39
13:50:48	12.4	19	46.30
13:51:08	8.2	19	30.55
13:51:28	6.2	19	23.39
13:51:48	6.4	19	23.93
13:52:08	9.6	19	36.10
13:52:28	6.9	19	25.96
13:52:48	6.7	19	24.94
13:53:08	16.2	19	23.39
13:53:28	12.8	19	47.86
13:53:48	8.7	19	32.58
13:54:08	6.7	19	24.94
13:54:28	6.5	19	24.40
13:54:48	5.8	19	21.90
13:55:08	5.6	19	20.89

VOC Emission Data

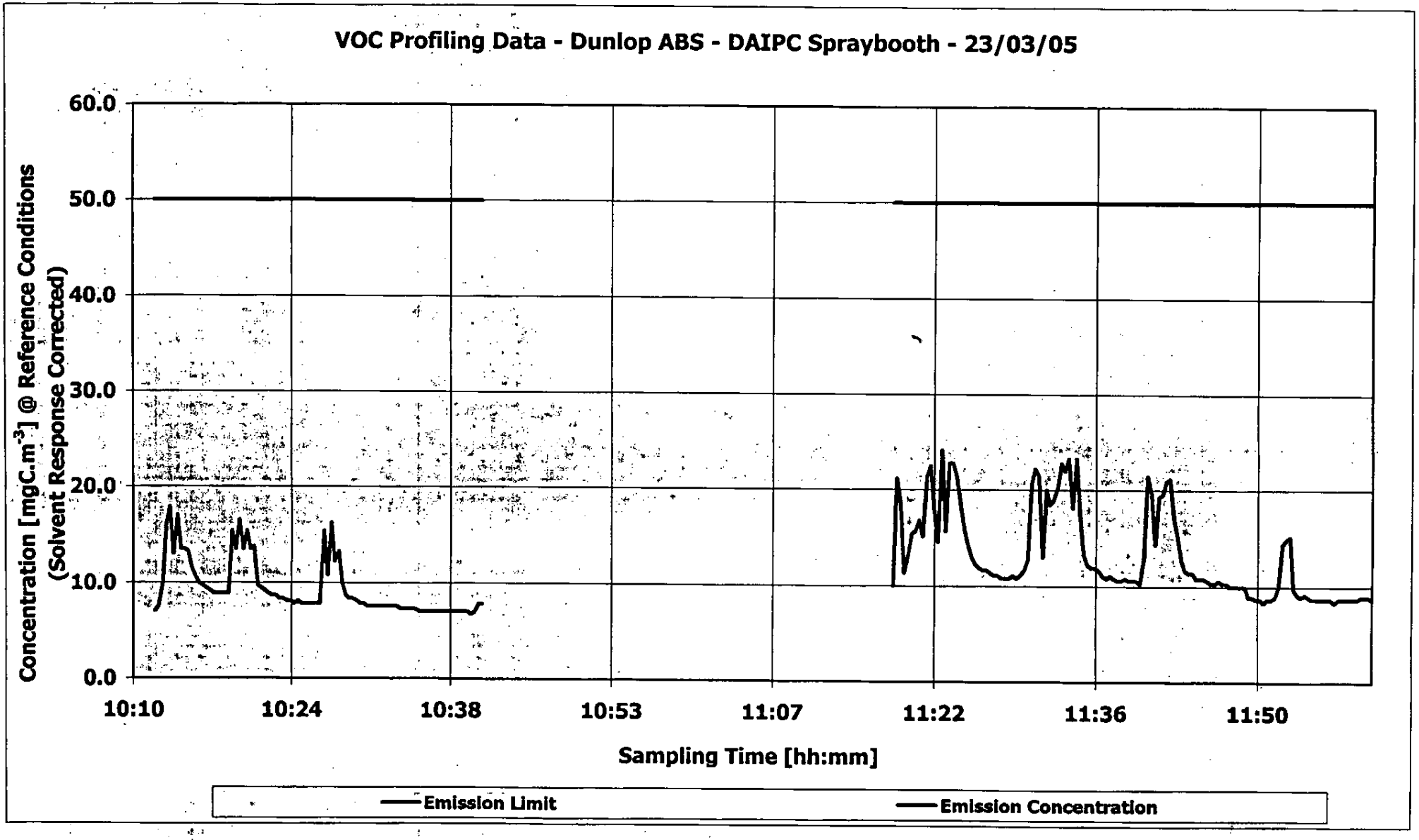
Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Booth (RHS)**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13935/36**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:55:28	5.6	19	20.89
13:55:48	5.7	19	21.36
13:56:08	5.6	19	20.89
13:56:28	5.4	19	20.35
13:56:48	5.6	19	20.89
13:57:08	5.6	19	20.89
13:57:28	5.7	19	21.36
13:57:48	5.7	19	21.36
13:58:08	5.7	19	21.36
13:58:28	5.8	19	21.90
13:58:48	5.8	19	21.90
13:59:08	6.0	19	22.37
13:59:28	6.1	19	22.91
13:59:48	5.2	19	19.33
14:00:08	5.2	19	19.33
14:00:28	6.0	19	22.37
14:00:48	5.3	19	19.87
14:01:08	6.0	19	22.37
14:01:28	6.0	19	22.37
14:01:48	3.7	19	13.72
14:02:08	5.0	19	18.79
14:02:28	3.1	19	11.69
14:02:48	3.8	19	14.26
14:03:08	3.4	19	12.71
14:03:28	4.9	19	18.32
14:03:48	3.5	19	13.25
14:04:08	4.6	19	17.30
14:04:28	4.4	19	16.29
14:04:48	4.4	19	16.29
14:05:08	5.6	19	20.89
14:05:28	5.4	19	20.35
14:05:48	6.7	19	24.94
14:06:08	4.1	19	15.28
14:06:28	3.3	19	12.23
14:06:48	4.2	19	15.75
14:07:08	5.4	19	20.35
14:07:28	3.0	19	11.22
14:07:48	5.6	19	20.89
14:08:08	3.9	19	14.74
14:08:28	5.3	19	19.87
14:08:48	6.1	19	22.91
14:09:08	6.0	19	22.37
14:09:28	5.6	19	20.89
14:09:48	4.5	19	16.76

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Booth (RHS)**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13935/36**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
14:10:08	3.8	19	14.26
14:10:28	3.4	19	12.71
14:10:48	4.9	19	18.32
14:11:08	5.0	19	18.79
14:11:28	5.3	19	19.87
14:11:48	5.4	19	20.35
14:12:08	4.9	19	18.32
14:12:28	4.9	19	18.32
Average	**7.9**	**Average**	**29.7**


VOC Profiling Data - Dunlop ABS - DAIPC Spraybooth - 23/03/05
Concentration [mgC.m-3] @ Reference Conditions
(Solvent Response Corrected)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
10:10
10:24
10:38
10:53
11:07
11:22
11:36
11:50
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Booth**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13943/ 44**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
10:11:57	3.7	23	7.07
10:12:17	4.0	23	7.61
10:12:37	5.3	23	10.02
10:12:57	8.4	23	16.01
10:13:17	9.4	23	17.92
10:13:37	6.8	23	13.02
10:13:57	9.0	23	17.09
10:14:17	7.1	23	13.56
10:14:37	7.1	23	13.56
10:14:57	7.0	23	13.30
10:15:17	6.1	23	11.68
10:15:37	5.6	23	10.60
10:15:57	5.3	23	10.02
10:16:17	5.1	23	9.77
10:16:37	5.0	23	9.48
10:16:57	4.9	23	9.23
10:17:17	4.7	23	8.94
10:17:37	4.7	23	8.94
10:17:57	4.7	23	8.94
10:18:17	4.7	23	8.94
10:18:37	4.7	23	8.94
10:18:57	8.1	23	15.47
10:19:17	7.1	23	13.56
10:19:37	8.7	23	16.55
10:19:57	7.1	23	13.56
10:20:17	8.1	23	15.47
10:20:37	7.1	23	13.56
10:20:57	7.3	23	13.85
10:21:17	5.1	23	9.77
10:21:37	5.0	23	9.48
10:21:57	4.9	23	9.23
10:22:17	4.7	23	8.94
10:22:37	4.6	23	8.69
10:22:57	4.6	23	8.69
10:23:17	4.4	23	8.40
10:23:37	4.4	23	8.40
10:23:57	4.3	23	8.15
10:24:17	4.3	23	8.15
10:24:37	4.1	23	7.86
10:24:57	4.3	23	8.15
10:25:17	4.1	23	7.86
10:25:37	4.1	23	7.86
10:25:57	4.1	23	7.86
10:26:17	4.1	23	7.86

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Booth**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13943/ 44**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
10:26:37	4.1	23	7.86
10:26:57	4.1	23	7.86
10:27:17	8.1	23	15.47
10:27:37	5.7	23	10.85
10:27:57	8.6	23	16.30
10:28:17	6.4	23	12.22
10:28:37	7.0	23	13.30
10:28:57	5.3	23	10.02
10:29:17	4.6	23	8.69
10:29:37	4.4	23	8.40
10:29:57	4.4	23	8.40
10:30:17	4.3	23	8.15
10:30:37	4.1	23	7.86
10:30:57	4.1	23	7.86
10:31:17	4.0	23	7.61
10:31:37	4.0	23	7.61
10:31:57	4.0	23	7.61
10:32:17	4.0	23	7.61
10:32:37	4.0	23	7.61
10:32:57	4.0	23	7.61
10:33:17	4.0	23	7.61
10:33:37	4.0	23	7.61
10:33:57	4.0	23	7.61
10:34:17	3.8	23	7.32
10:34:37	3.8	23	7.32
10:34:57	3.8	23	7.32
10:35:17	3.8	23	7.32
10:35:37	3.8	23	7.32
10:35:57	3.7	23	7.07
10:36:17	3.7	23	7.07
10:36:37	3.7	23	7.07
10:36:57	3.7	23	7.07
10:37:17	3.7	23	7.07
10:37:37	3.7	23	7.07
10:37:57	3.7	23	7.07
10:38:17	3.7	23	7.07
10:38:37	3.7	23	7.07
10:38:57	3.7	23	7.07
10:39:17	3.7	23	7.07
10:39:37	3.7	23	7.07
10:39:57	3.7	23	7.07
10:40:17	3.7	23	7.07
10:40:37	3.6	23	6.78
10:40:57	3.7	23	7.07

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Booth**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13943/ 44**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
10:41:17	4.1	23	7.86
10:41:37	4.1	23	7.86
11:18:17	5.3	23	10.02
11:18:37	11.1	23	21.16
11:18:57	9.8	23	18.71
11:19:17	6.0	23	11.39
11:19:37	6.8	23	13.02
11:19:57	8.1	23	15.47
11:20:17	8.3	23	15.76
11:20:37	8.9	23	16.84
11:20:57	8.0	23	15.18
11:21:17	11.3	23	21.45
11:21:37	11.9	23	22.53
11:21:57	9.4	23	17.92
11:22:17	7.7	23	14.64
11:22:37	12.7	23	24.16
11:22:57	8.3	23	15.76
11:23:17	12.0	23	22.79
11:23:37	12.0	23	22.79
11:23:57	11.3	23	21.45
11:24:17	9.7	23	18.46
11:24:37	8.4	23	16.01
11:24:57	7.6	23	14.39
11:25:17	6.8	23	13.02
11:25:37	6.4	23	12.22
11:25:57	6.3	23	11.93
11:26:17	6.1	23	11.68
11:26:37	6.1	23	11.68
11:26:57	6.0	23	11.39
11:27:17	5.9	23	11.14
11:27:37	5.9	23	11.14
11:27:57	5.7	23	10.85
11:28:17	5.7	23	10.85
11:28:37	5.7	23	10.85
11:28:57	5.9	23	11.14
11:29:17	5.7	23	10.85
11:29:37	5.9	23	11.14
11:29:57	6.1	23	11.68
11:30:17	6.7	23	12.76
11:30:37	10.8	23	20.62
11:30:57	11.7	23	22.25
11:31:17	11.3	23	21.45
11:31:37	6.8	23	13.02

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Booth**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13943/ 44**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
11:31:57	10.6	23	20.08
11:32:17	9.7	23	18.46
11:32:37	10.0	23	19.00
11:32:57	10.7	23	20.37
11:33:17	12.0	23	22.79
11:33:37	11.6	23	21.99
11:33:57	12.3	23	23.33
11:34:17	9.6	23	18.17
11:34:37	12.3	23	23.33
11:34:57	9.1	23	17.38
11:35:17	7.0	23	13.30
11:35:37	6.4	23	12.22
11:35:57	6.3	23	11.93
11:36:17	6.3	23	11.93
11:36:37	6.1	23	11.68
11:36:57	5.9	23	11.14
11:37:17	5.7	23	10.85
11:37:37	5.9	23	11.14
11:37:57	5.7	23	10.85
11:38:17	5.6	23	10.60
11:38:37	5.6	23	10.60
11:38:57	5.7	23	10.85
11:39:17	5.6	23	10.60
11:39:37	5.6	23	10.60
11:39:57	5.6	23	10.60
11:40:17	5.4	23	10.31
11:40:37	6.8	23	13.02
11:40:57	11.3	23	21.45
11:41:17	10.4	23	19.79
11:41:37	7.6	23	14.39
11:41:57	10.1	23	19.25
11:42:17	10.3	23	19.54
11:42:37	11.0	23	20.91
11:42:57	11.1	23	21.16
11:43:17	9.0	23	17.09
11:43:37	8.0	23	15.18
11:43:57	6.7	23	12.76
11:44:17	6.1	23	11.68
11:44:37	6.0	23	11.39
11:44:57	6.0	23	11.39
11:45:17	5.7	23	10.85
11:45:37	5.7	23	10.85
11:45:57	5.7	23	10.85
11:46:17	5.6	23	10.60

VOC Emission Data

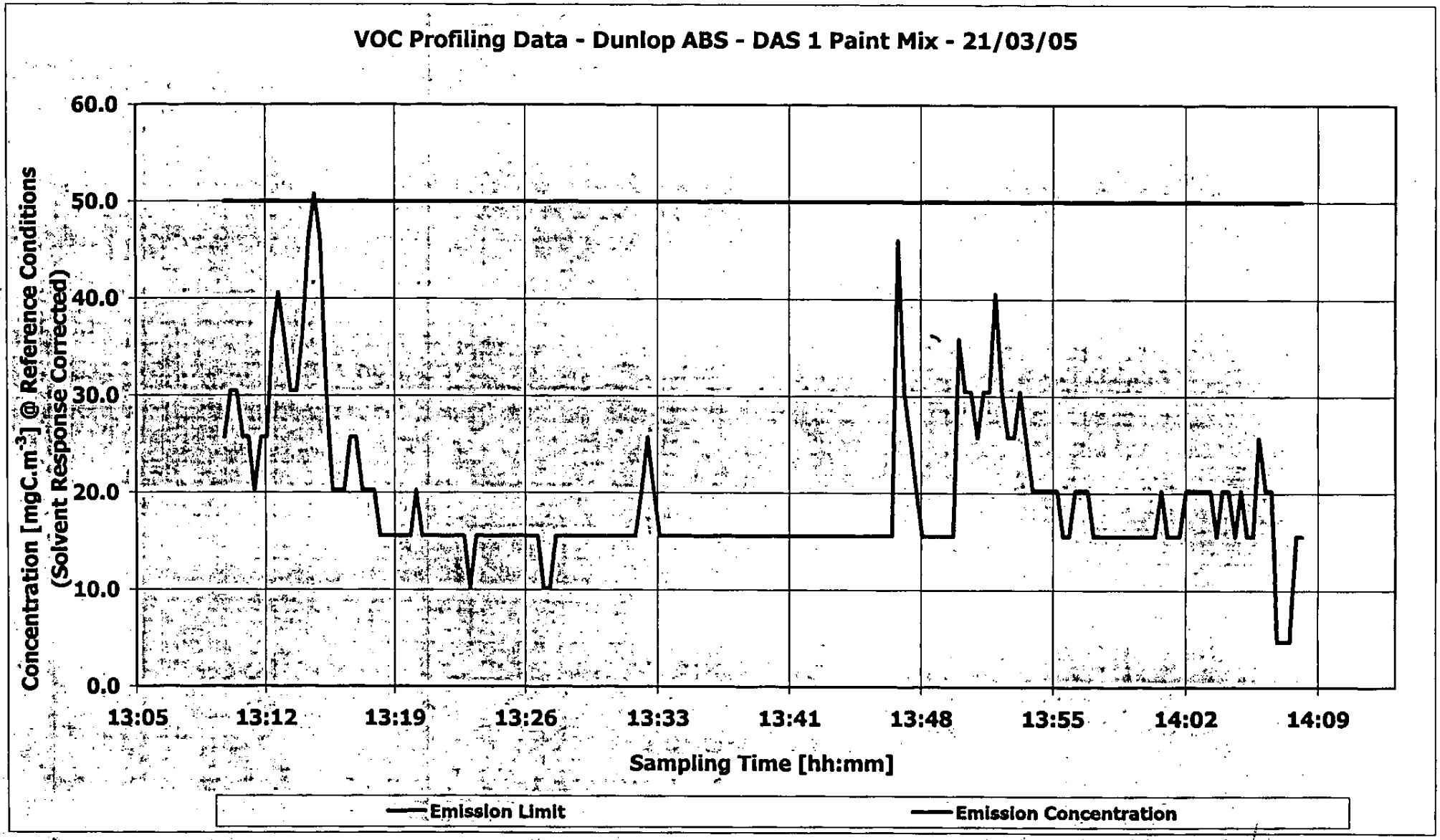
Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Booth**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13943/ 44**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
11:46:37	5.4	23	10.31
11:46:57	5.4	23	10.31
11:47:17	5.6	23	10.60
11:47:37	5.4	23	10.31
11:47:57	5.4	23	10.31
11:48:17	5.3	23	10.02
11:48:37	5.3	23	10.02
11:48:57	5.3	23	10.02
11:49:17	5.3	23	10.02
11:49:37	5.3	23	10.02
11:49:57	4.7	23	8.94
11:50:17	4.7	23	8.94
11:50:37	4.6	23	8.69
11:50:57	4.6	23	8.69
11:51:17	4.4	23	8.40
11:51:37	4.6	23	8.69
11:51:57	4.6	23	8.69
11:52:17	4.7	23	8.94
11:52:37	5.3	23	10.02
11:52:57	7.6	23	14.39
11:53:17	7.9	23	14.93
11:53:37	8.0	23	15.18
11:53:57	5.1	23	9.77
11:54:17	4.9	23	9.23
11:54:37	4.7	23	8.94
11:54:57	4.9	23	9.23
11:55:17	4.7	23	8.94
11:55:37	4.6	23	8.69
11:55:57	4.6	23	8.69
11:56:17	4.6	23	8.69
11:56:37	4.6	23	8.69
11:56:57	4.6	23	8.69
11:57:17	4.6	23	8.69
11:57:37	4.4	23	8.40
11:57:57	4.6	23	8.69
11:58:17	4.6	23	8.69
11:58:37	4.6	23	8.69
11:58:57	4.6	23	8.69
11:59:17	4.6	23	8.69
11:59:37	4.6	23	8.69
11:59:57	4.7	23	8.94
12:00:17	4.7	23	8.94
12:00:37	4.7	23	8.94
12:00:57	4.6	23	8.69

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Booth**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13943/ 44**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:01:17	4.7	23	8.94
12:01:37	4.7	23	8.94
12:01:57	4.6	23	8.69
Average	**6.1**	**Average**	**11.6**


VOC Profiling Data - Dunlop ABS - DAS 1 Paint Mix - 21/03/05
Concentration [mgC.m-3] @ Reference Conditions (Solvent Response Corrected)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
13:05
13:12
13:19
13:26
13:33
13:41
13:48
13:55
14:02
14:09
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

Job Ref:	**OEH 33551**
Client Name:	**Dunlop ABS**
Location:	**DAS 1 Paint Mix**
Date:	**21-Mar-05**
Scientist:	**AB/JL**

Technical Details

Instrument Type	**FID**
Calib Gas	**Methane**
% C:	**75**
Sample Number:	**SA 13921/ 22**
Instrument Range:	**3370**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:09:55	6.9	18	25.72
13:10:15	8.1	18	30.46
13:10:35	8.1	18	30.46
13:10:55	6.9	18	25.72
13:11:15	6.9	18	25.72
13:11:35	5.4	18	20.31
13:11:55	6.9	18	25.72
13:12:15	6.9	18	25.72
13:12:35	9.6	18	35.87
13:12:55	10.8	18	40.61
13:13:15	9.6	18	35.87
13:13:35	8.1	18	30.46
13:13:55	8.1	18	30.46
13:14:15	9.6	18	35.87
13:14:35	12.3	18	46.03
13:14:55	13.5	18	50.76
13:15:15	12.3	18	46.03
13:15:35	8.1	18	30.46
13:15:55	5.4	18	20.31
13:16:15	5.4	18	20.31
13:16:35	5.4	18	20.31
13:16:55	6.9	18	25.72
13:17:15	6.9	18	25.72
13:17:35	5.4	18	20.31
13:17:55	5.4	18	20.31
13:18:15	5.4	18	20.31
13:18:35	4.2	18	15.57
13:18:55	4.2	18	15.57
13:19:15	4.2	18	15.57
13:19:35	4.2	18	15.57
13:19:55	4.2	18	15.57
13:20:15	4.2	18	15.57
13:20:35	5.4	18	20.31
13:20:55	4.2	18	15.57
13:21:15	4.2	18	15.57
13:21:35	4.2	18	15.57
13:21:55	4.2	18	15.57
13:22:15	4.2	18	15.57
13:22:35	4.2	18	15.57
13:22:55	4.2	18	15.57
13:23:15	4.2	18	15.57
13:23:35	2.7	18	10.15
13:23:55	4.2	18	15.57
13:24:15	4.2	18	15.57

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Paint Mix**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13921/ 22**
		Instrument Range:	**3370**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
13:24:35	4.2	18	15.57
13:24:55	4.2	18	15.57
13:25:15	4.2	18	15.57
13:25:35	4.2	18	15.57
13:25:55	4.2	18	15.57
13:26:15	4.2	18	15.57
13:26:35	4.2	18	15.57
13:26:55	4.2	18	15.57
13:27:15	4.2	18	15.57
13:27:35	2.7	18	10.15
13:27:55	2.7	18	10.15
13:28:15	4.2	18	15.57
13:28:35	4.2	18	15.57
13:28:55	4.2	18	15.57
13:29:15	4.2	18	15.57
13:29:35	4.2	18	15.57
13:29:55	4.2	18	15.57
13:30:15	4.2	18	15.57
13:30:35	4.2	18	15.57
13:30:55	4.2	18	15.57
13:31:15	4.2	18	15.57
13:31:35	4.2	18	15.57
13:31:55	4.2	18	15.57
13:32:15	4.2	18	15.57
13:32:35	4.2	18	15.57
13:32:55	5.4	18	20.31
13:33:15	6.9	18	25.72
13:33:35	5.4	18	20.31
13:33:55	4.2	18	15.57
13:34:15	4.2	18	15.57
13:34:35	4.2	18	15.57
13:34:55	4.2	18	15.57
13:35:15	4.2	18	15.57
13:35:35	4.2	18	15.57
13:35:55	4.2	18	15.57
13:36:15	4.2	18	15.57
13:36:35	4.2	18	15.57
13:36:55	4.2	18	15.57
13:37:15	4.2	18	15.57
13:37:35	4.2	18	15.57
13:37:55	4.2	18	15.57
13:38:15	4.2	18	15.57
13:38:35	4.2	18	15.57
13:38:55	4.2	18	15.57

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Paint Mix**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13921/ 22**
		Instrument Range:	**3370**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:39:15	4.2	18	15.57
13:39:35	4.2	18	15.57
13:39:55	4.2	18	15.57
13:40:15	4.2	18	15.57
13:40:35	4.2	18	15.57
13:40:55	4.2	18	15.57
13:41:15	4.2	18	15.57
13:41:35	4.2	18	15.57
13:41:55	4.2	18	15.57
13:42:15	4.2	18	15.57
13:42:35	4.2	18	15.57
13:42:55	4.2	18	15.57
13:43:15	4.2	18	15.57
13:43:35	4.2	18	15.57
13:43:55	4.2	18	15.57
13:44:15	4.2	18	15.57
13:44:35	4.2	18	15.57
13:44:55	4.2	18	15.57
13:45:15	4.2	18	15.57
13:45:35	4.2	18	15.57
13:45:55	4.2	18	15.57
13:46:15	4.2	18	15.57
13:46:35	4.2	18	15.57
13:46:55	12.3	18	46.03
13:47:15	8.1	18	30.46
13:47:35	6.9	18	25.72
13:47:55	5.4	18	20.31
13:48:15	4.2	18	15.57
13:48:35	4.2	18	15.57
13:48:55	4.2	18	15.57
13:49:15	4.2	18	15.57
13:49:35	4.2	18	15.57
13:49:55	4.2	18	15.57
13:50:15	9.6	18	35.87
13:50:35	8.1	18	30.46
13:50:55	8.1	18	30.46
13:51:15	6.9	18	25.72
13:51:35	8.1	18	30.46
13:51:55	8.1	18	30.46
13:52:15	10.8	18	40.61
13:52:35	8.1	18	30.46
13:52:55	6.9	18	25.72
13:53:15	6.9	18	25.72
13:53:35	8.1	18	30.46

VOC Emission Data

		Technical Details	
Job Ref:	**OEH 33551**		
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Paint Mix**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13921/ 22**
		Instrument Range:	**3370**
		Emission Limit:	**50**

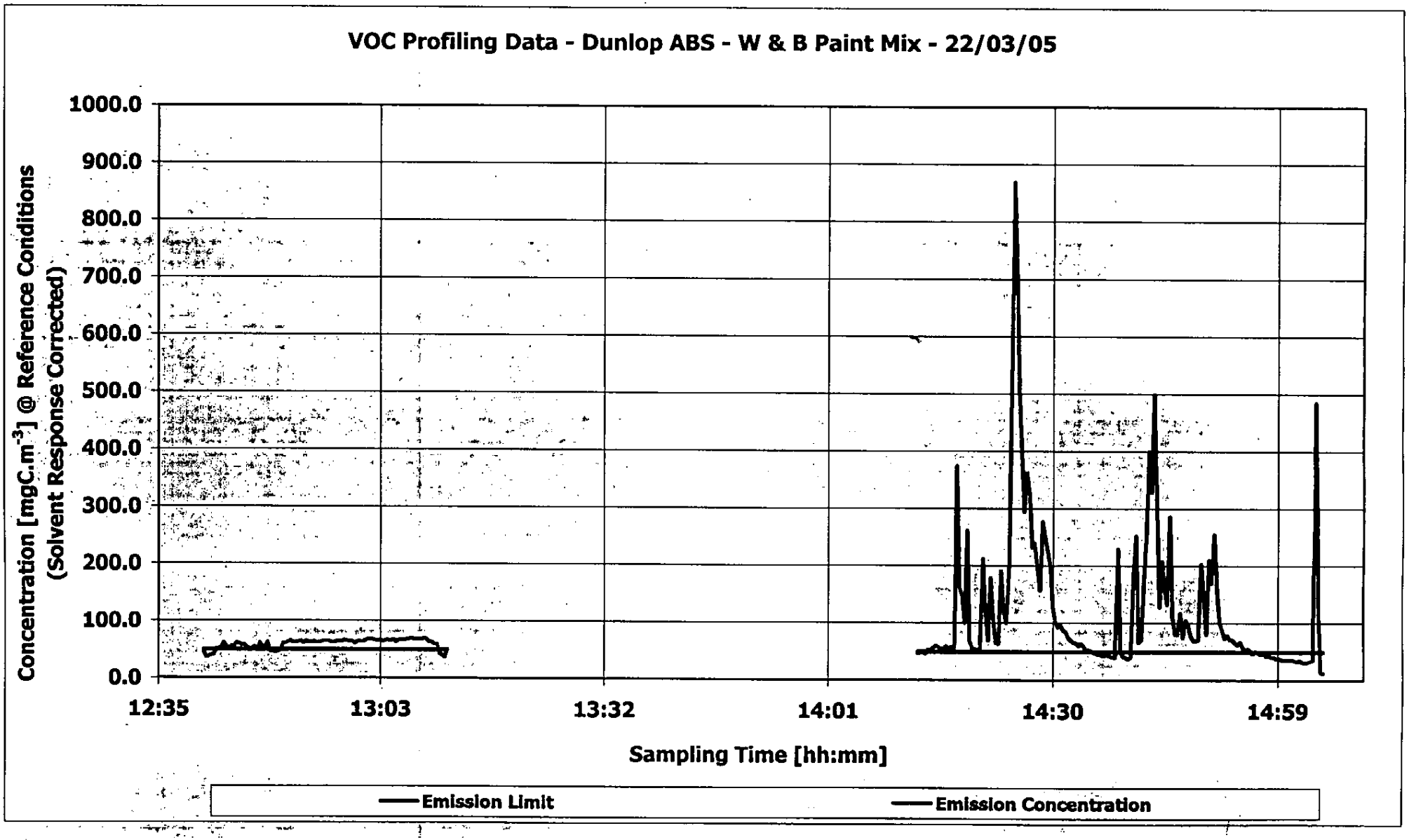
Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:53:55	6.9	18	25.72
13:54:15	5.4	18	20.31
13:54:35	5.4	18	20.31
13:54:55	5.4	18	20.31
13:55:15	5.4	18	20.31
13:55:35	5.4	18	20.31
13:55:55	4.2	18	15.57
13:56:15	4.2	18	15.57
13:56:35	5.4	18	20.31
13:56:55	5.4	18	20.31
13:57:15	5.4	18	20.31
13:57:35	4.2	18	15.57
13:57:55	4.2	18	15.57
13:58:15	4.2	18	15.57
13:58:35	4.2	18	15.57
13:58:55	4.2	18	15.57
13:59:15	4.2	18	15.57
13:59:35	4.2	18	15.57
13:59:55	4.2	18	15.57
14:00:15	4.2	18	15.57
14:00:35	4.2	18	15.57
14:00:55	4.2	18	15.57
14:01:15	5.4	18	20.31
14:01:35	4.2	18	15.57
14:01:55	4.2	18	15.57
14:02:15	4.2	18	15.57
14:02:35	5.4	18	20.31
14:02:55	5.4	18	20.31
14:03:15	5.4	18	20.31
14:03:35	5.4	18	20.31
14:03:55	5.4	18	20.31
14:04:15	4.2	18	15.57
14:04:35	5.4	18	20.31
14:04:55	5.4	18	20.31
14:05:15	4.2	18	15.57
14:05:35	5.4	18	20.31
14:05:55	4.2	18	15.57
14:06:15	4.2	18	15.57
14:06:35	6.9	18	25.72
14:06:55	5.4	18	20.31
14:07:15	5.4	18	20.31
14:07:35	1.3	18	4.74
14:07:55	1.3	18	4.74
14:08:15	1.3	18	4.74

VOC Emission Data

OEH Group Limited

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Paint Mix**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13921/ 22**
		Instrument Range:	**3370**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
14:08:35	4.2	18	15.57
14:08:55	4.2	18	15.57
Average	**5.2**	**Average**	**19.3**


VOC Profiling Data - Dunlop ABS - W & B Paint Mix - 22/03/05
Concentration [mgC.m-3] @ Reference Conditions
(Solvent Response Corrected)
1000.0
900.0
800.0
700.0
600.0
500.0
400.0
300.0
200.0
100.0
0.0
12:35
13:03
13:32
14:01
14:30
14:59
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Paint Mix**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13937/ 38**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:40:48	15.4	20	47.69
12:41:08	12.1	20	37.55
12:41:28	12.2	20	37.94
12:41:48	12.9	20	40.07
12:42:08	13.1	20	40.52
12:42:28	16.6	20	51.45
12:42:48	16.7	20	51.90
12:43:08	17.4	20	53.97
12:43:28	20.0	20	62.04
12:43:48	17.5	20	54.42
12:44:08	16.6	20	51.45
12:44:28	18.1	20	56.10
12:44:48	18.1	20	56.10
12:45:08	20.0	20	62.04
12:45:28	19.6	20	60.75
12:45:48	18.2	20	56.55
12:46:08	19.0	20	59.07
12:46:28	17.4	20	53.97
12:46:48	16.3	20	50.61
12:47:08	17.0	20	52.74
12:47:28	17.8	20	55.26
12:47:48	15.6	20	48.54
12:48:08	20.0	20	62.04
12:48:28	16.7	20	51.90
12:48:48	18.1	20	56.10
12:49:08	20.3	20	62.88
12:49:28	15.4	20	47.69
12:49:48	14.9	20	46.41
12:50:08	14.4	20	44.72
12:50:28	15.1	20	46.85
12:50:48	15.8	20	48.93
12:51:08	19.4	20	60.30
12:51:28	19.8	20	61.59
12:51:48	20.3	20	62.88
12:52:08	20.9	20	64.96
12:52:28	20.0	20	62.04
12:52:48	20.1	20	62.43
12:53:08	20.5	20	63.72
12:53:28	21.1	20	65.41
12:53:48	19.7	20	61.15
12:54:08	21.1	20	65.41
12:54:28	20.1	20	62.43
12:54:48	20.0	20	62.04
12:55:08	20.8	20	64.56

VOC Emission Data

Job Ref:	**OEH 33551**
Client Name:	**Dunlop ABS**
Location:	**W & B Paint Mix**
Date:	**22-Mar-05**
Scientist:	**AB/JL**

Technical Details

Instrument Type	**FID**
Calib Gas	**Methane**
% C:	**75**
Sample Number:	**SA 13937/ 38**
Instrument Range:	**337**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:55:28	20.1	20	62.43
12:55:48	20.1	20	62.43
12:56:08	20.5	20	63.72
12:56:28	20.9	20	64.96
12:56:48	20.7	20	64.12
12:57:08	20.8	20	64.56
12:57:28	20.0	20	62.04
12:57:48	20.1	20	62.43
12:58:08	20.8	20	64.56
12:58:28	20.9	20	64.96
12:58:48	20.7	20	64.12
12:59:08	21.5	20	66.64
12:59:28	21.1	20	65.41
12:59:48	20.7	20	64.12
13:00:08	20.7	20	64.12
13:00:28	19.6	20	60.75
13:00:48	20.7	20	64.12
13:01:08	20.7	20	64.12
13:01:28	20.4	20	63.28
13:01:48	21.2	20	65.80
13:02:08	22.0	20	68.32
13:02:28	21.7	20	67.48
13:02:48	21.7	20	67.48
13:03:08	21.5	20	66.64
13:03:28	21.3	20	66.25
13:03:48	21.6	20	67.09
13:04:08	20.8	20	64.56
13:04:28	21.6	20	67.09
13:04:48	21.6	20	67.09
13:05:08	21.2	20	65.80
13:05:28	22.0	20	68.32
13:05:48	20.5	20	63.72
13:06:08	21.6	20	67.09
13:06:28	21.7	20	67.48
13:06:48	21.5	20	66.64
13:07:08	21.9	20	67.93
13:07:28	22.2	20	68.77
13:07:48	22.7	20	70.45
13:08:08	21.9	20	67.93
13:08:28	22.3	20	69.16
13:08:48	21.9	20	67.93
13:09:08	21.9	20	67.93
13:09:28	22.7	20	70.45
13:09:48	21.9	20	67.93

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Paint Mix**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13937/ 38**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:10:08	20.5	20	63.72
13:10:28	20.4	20	63.28
13:10:48	19.2	20	59.46
13:11:08	19.2	20	59.46
13:11:28	14.0	20	43.44
13:11:48	13.3	20	41.36
13:12:08	12.1	20	37.55
13:12:28	16.4	20	51.06
14:12:48	15.4	20	47.69
14:13:08	15.4	20	47.69
14:13:28	15.6	20	48.54
14:13:48	15.1	20	46.85
14:14:08	17.3	20	53.58
14:14:28	17.0	20	52.74
14:14:48	18.6	20	57.78
14:15:08	19.6	20	60.75
14:15:28	18.8	20	58.23
14:15:48	17.7	20	54.87
14:16:08	18.2	20	56.55
14:16:28	19.2	20	59.46
14:16:48	17.7	20	54.87
14:17:08	19.0	20	59.07
14:17:28	18.2	20	56.55
14:17:48	120.8	20	375.06
14:18:08	52.3	20	162.42
14:18:28	47.6	20	147.68
14:18:48	32.2	20	99.99
14:19:08	84.5	20	262.41
14:19:28	22.2	20	68.77
14:19:48	18.1	20	56.10
14:20:08	17.7	20	54.87
14:20:28	17.3	20	53.58
14:20:48	17.3	20	53.58
14:21:08	68.4	20	212.19
14:21:28	38.6	20	119.83
14:21:48	22.4	20	69.61
14:22:08	57.6	20	178.90
14:22:28	33.8	20	105.03
14:22:48	21.2	20	65.80
14:23:08	20.4	20	63.28
14:23:28	61.4	20	190.67
14:23:48	39.4	20	122.35
14:24:08	32.2	20	99.99

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Paint Mix**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13937/ 38**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
14:24:28	62.9	20	195.32
14:24:48	153.2	20	475.49
14:25:08	280.0	20	869.10
14:25:28	228.3	20	708.75
14:25:48	160.5	20	498.24
14:26:08	124.9	20	387.72
14:26:28	94.9	20	294.46
14:26:48	116.9	20	362.84
14:27:08	104.4	20	324.00
14:27:28	74.6	20	231.64
14:27:48	77.3	20	240.04
14:28:08	63.7	20	197.84
14:28:28	50.4	20	156.54
14:28:48	89.6	20	278.04
14:29:08	81.9	20	254.39
14:29:28	73.0	20	226.54
14:29:48	64.1	20	199.13
14:30:08	40.6	20	126.16
14:30:28	32.9	20	102.11
14:30:48	29.6	20	91.97
14:31:08	30.7	20	95.33
14:31:28	28.1	20	87.32
14:31:48	26.9	20	83.51
14:32:08	23.9	20	74.26
14:32:28	22.4	20	69.61
14:32:48	21.2	20	65.80
14:33:08	20.9	20	64.96
14:33:28	19.2	20	59.46
14:33:48	20.7	20	64.12
14:34:08	19.0	20	59.07
14:34:28	16.3	20	50.61
14:34:48	17.3	20	53.58
14:35:08	16.4	20	51.06
14:35:28	15.5	20	48.09
14:35:48	15.1	20	46.85
14:36:08	14.8	20	45.96
14:36:28	14.3	20	44.28
14:36:48	14.0	20	43.44
14:37:08	14.4	20	44.72
14:37:28	13.9	20	43.04
14:37:48	13.3	20	41.36
14:38:08	12.6	20	39.23
14:38:28	73.9	20	229.51
14:38:48	17.1	20	53.13

VOC Emission Data

Job Ref:	**OEH 33551**
Client Name:	**Dunlop ABS**
Location:	**W & B Paint Mix**
Date:	**22-Mar-05**
Scientist:	**AB/JL**

Technical Details

Instrument Type	**FID**
Calib Gas	**Methane**
% C:	**75**
Sample Number:	**SA 13937/ 38**
Instrument Range:	**337**
Emission Limit:	**50**

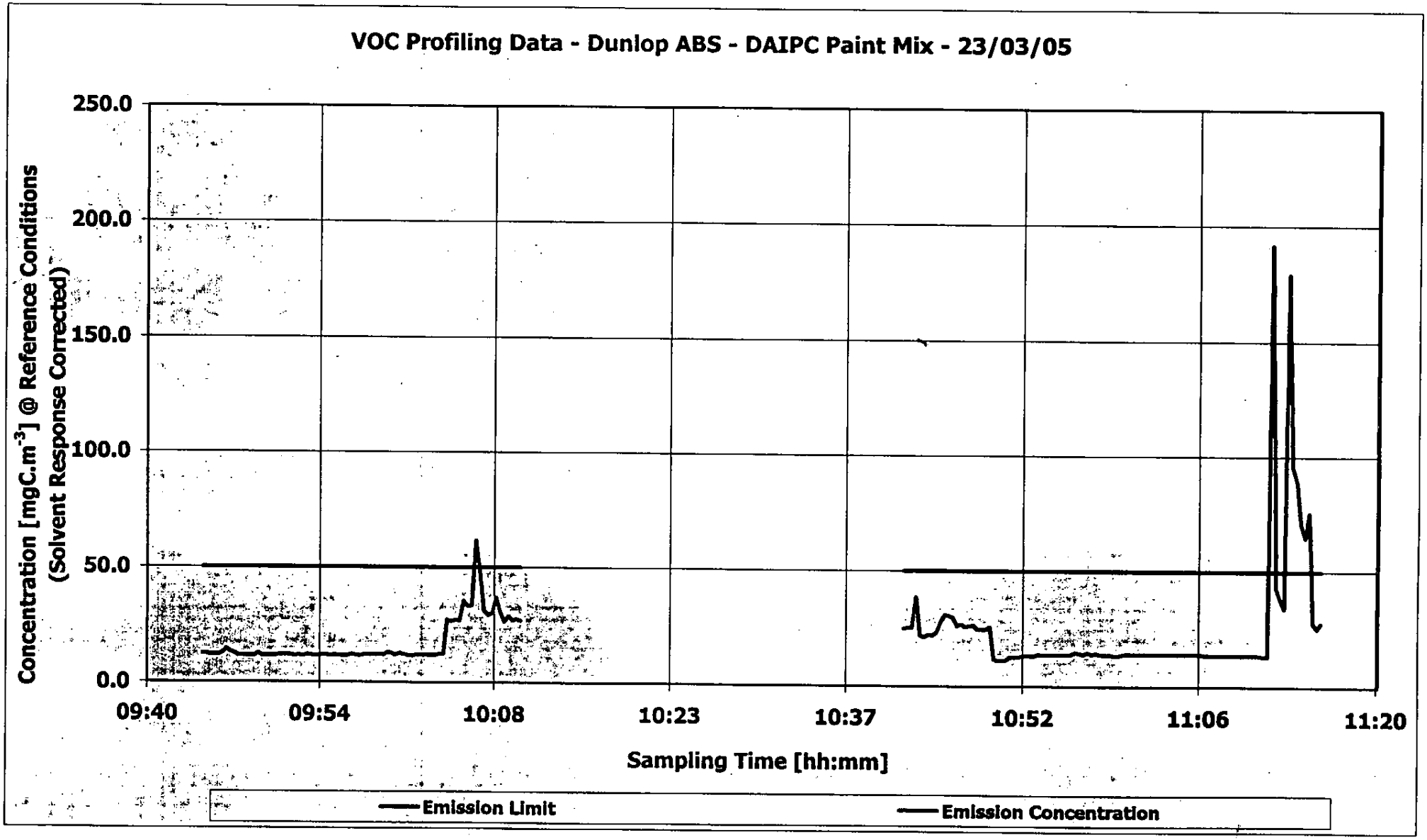
Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
14:39:08	13.4	20	41.75
14:39:28	13.1	20	40.52
14:39:48	12.1	20	37.55
14:40:08	13.3	20	41.36
14:40:28	57.4	20	178.06
14:40:48	81.5	20	253.16
14:41:08	21.5	20	66.64
14:41:28	22.7	20	70.45
14:41:48	55.2	20	171.28
14:42:08	81.7	20	253.55
14:42:28	129.0	20	400.39
14:42:48	105.9	20	328.65
14:43:08	160.8	20	499.09
14:43:28	100.4	20	311.78
14:43:48	41.2	20	127.84
14:44:08	66.9	20	207.59
14:44:28	49.6	20	154.01
14:44:48	42.7	20	132.49
14:45:08	92.3	20	286.45
14:45:28	35.3	20	109.68
14:45:48	26.0	20	80.59
14:46:08	25.8	20	80.15
14:46:28	37.6	20	116.85
14:46:48	23.9	20	74.26
14:47:08	33.8	20	105.03
14:47:28	31.4	20	97.46
14:47:48	25.1	20	78.07
14:48:08	22.6	20	70.06
14:48:28	22.2	20	68.77
14:48:48	23.1	20	71.74
14:49:08	65.6	20	203.78
14:49:28	47.6	20	147.68
14:49:48	26.0	20	80.59
14:50:08	67.7	20	210.11
14:50:28	54.6	20	169.59
14:50:48	82.2	20	255.23
14:51:08	52.3	20	162.42
14:51:28	32.5	20	100.83
14:51:48	29.1	20	90.29
14:52:08	23.8	20	73.81
14:52:28	25.5	20	79.30
14:52:48	23.1	20	71.74
14:53:08	23.0	20	71.29
14:53:28	21.3	20	66.25

VOC Emission Data

OEH Group Limited

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Paint Mix**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13937/ 38**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
14:53:48	20.1	20	62.43
14:54:08	21.7	20	67.48
14:54:28	18.8	20	58.23
14:54:48	17.3	20	53.58
14:55:08	18.1	20	56.10
14:55:28	16.3	20	50.61
14:55:48	15.2	20	47.25
14:56:08	16.4	20	51.06
14:56:28	15.6	20	48.54
14:56:48	14.8	20	45.96
14:57:08	16.2	20	50.22
14:57:28	13.9	20	43.04
14:57:48	14.3	20	44.28
14:58:08	13.3	20	41.36
14:58:28	13.2	20	40.91
14:58:48	12.2	20	37.94
14:59:08	12.5	20	38.78
14:59:28	11.7	20	36.26
14:59:48	12.0	20	37.10
15:00:08	11.6	20	35.87
15:00:28	12.1	20	37.55
15:00:48	11.7	20	36.26
15:01:08	11.1	20	34.58
15:01:28	10.9	20	33.74
15:01:48	11.4	20	35.42
15:02:08	10.6	20	32.90
15:02:28	9.9	20	30.77
15:02:48	10.5	20	32.51
15:03:08	11.0	20	34.19
15:03:28	11.4	20	35.42
15:03:48	156.3	20	485.19
15:04:08	41.6	20	129.07
15:04:28	4.7	20	14.74
15:04:48	4.2	20	13.06
Average	**32.0**	**Average**	**99.5**


VOC Profiling Data - Dunlop ABS - DAIPC Paint Mix - 23/03/05
Concentration [mgC.m-3] @ Reference Conditions
(Solvent Response Corrected)
250.0
200.0
150.0
100.0
50.0
0.0
09:40
09:54
10:08
10:23
10:37
10:52
11:06
11:20
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Paint Mix**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13941/ 42**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
09:44:37	4.7	23	12.32
09:44:57	4.7	23	12.32
09:45:17	4.6	23	11.98
09:45:37	4.6	23	11.98
09:45:57	4.6	23	11.98
09:46:17	5.0	23	13.07
09:46:37	5.6	23	14.61
09:46:57	5.1	23	13.47
09:47:17	4.9	23	12.72
09:47:37	4.4	23	11.58
09:47:57	4.4	23	11.58
09:48:17	4.4	23	11.58
09:48:37	4.4	23	11.58
09:48:57	4.4	23	11.58
09:49:17	4.9	23	12.72
09:49:37	4.4	23	11.58
09:49:57	4.4	23	11.58
09:50:17	4.4	23	11.58
09:50:37	4.4	23	11.58
09:50:57	4.6	23	11.98
09:51:17	4.6	23	11.98
09:51:37	4.6	23	11.98
09:51:57	4.6	23	11.98
09:52:17	4.4	23	11.58
09:52:37	4.6	23	11.98
09:52:57	4.4	23	11.58
09:53:17	4.6	23	11.98
09:53:37	4.6	23	11.98
09:53:57	4.4	23	11.58
09:54:17	4.4	23	11.58
09:54:37	4.6	23	11.98
09:54:57	4.6	23	11.98
09:55:17	4.4	23	11.58
09:55:37	4.6	23	11.98
09:55:57	4.4	23	11.58
09:56:17	4.4	23	11.58
09:56:37	4.4	23	11.58
09:56:57	4.7	23	12.32
09:57:17	4.6	23	11.98
09:57:37	4.4	23	11.58
09:57:57	4.6	23	11.98
09:58:17	4.7	23	12.32
09:58:37	4.6	23	11.98
09:58:57	4.6	23	11.98

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Paint Mix**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13941/ 42**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
09:59:17	4.7	23	12.32
09:59:37	4.6	23	11.98
09:59:57	5.0	23	13.07
10:00:17	5.0	23	13.07
10:00:37	4.6	23	11.98
10:00:57	4.9	23	12.72
10:01:17	4.7	23	12.32
10:01:37	4.6	23	11.98
10:01:57	4.4	23	11.58
10:02:17	4.6	23	11.98
10:02:37	4.6	23	11.98
10:02:57	4.6	23	11.98
10:03:17	4.6	23	11.98
10:03:37	4.6	23	11.98
10:03:57	4.6	23	11.98
10:04:17	4.7	23	12.32
10:04:37	4.7	23	12.32
10:04:57	10.4	23	27.28
10:05:17	10.1	23	26.54
10:05:37	10.4	23	27.28
10:05:57	10.3	23	26.94
10:06:17	13.6	23	35.53
10:06:37	12.7	23	33.30
10:06:57	12.8	23	33.65
10:07:17	23.6	23	61.72
10:07:37	18.1	23	47.51
10:07:57	12.0	23	31.41
10:08:17	11.3	23	29.57
10:08:37	11.6	23	30.32
10:08:57	14.1	23	37.02
10:09:17	11.7	23	30.66
10:09:37	10.1	23	26.54
10:09:57	11.1	23	29.17
10:10:17	10.3	23	26.94
10:10:37	10.6	23	27.68
10:10:57	10.3	23	26.94
10:42:17	9.6	23	25.05
10:42:37	9.7	23	25.45
10:42:57	9.7	23	25.45
10:43:17	14.7	23	38.52
10:43:37	8.4	23	22.07
10:43:57	8.1	23	21.32
10:44:17	8.6	23	22.46

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Paint Mix**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13941/ 42**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:44:37	8.4	23	22.07
10:44:57	9.0	23	23.56
10:45:17	10.7	23	28.08
10:45:37	11.9	23	31.06
10:45:57	11.7	23	30.66
10:46:17	11.4	23	29.92
10:46:37	10.0	23	26.19
10:46:57	10.3	23	26.94
10:47:17	9.8	23	25.79
10:47:37	10.0	23	26.19
10:47:57	10.1	23	26.54
10:48:17	9.4	23	24.70
10:48:37	9.4	23	24.70
10:48:57	9.4	23	24.70
10:49:17	9.8	23	25.79
10:49:37	4.6	23	11.98
10:49:57	4.3	23	11.23
10:50:17	4.3	23	11.23
10:50:37	4.4	23	11.58
10:50:57	5.0	23	13.07
10:51:17	4.9	23	12.72
10:51:37	4.9	23	12.72
10:51:57	5.1	23	13.47
10:52:17	5.1	23	13.47
10:52:37	5.1	23	13.47
10:52:57	5.1	23	13.47
10:53:17	5.4	23	14.21
10:53:37	5.3	23	13.82
10:53:57	5.3	23	13.82
10:54:17	5.3	23	13.82
10:54:37	5.3	23	13.82
10:54:57	5.3	23	13.82
10:55:17	5.3	23	13.82
10:55:37	5.3	23	13.82
10:55:57	5.4	23	14.21
10:56:17	5.7	23	14.96
10:56:37	5.6	23	14.61
10:56:57	5.4	23	14.21
10:57:17	5.7	23	14.96
10:57:37	5.4	23	14.21
10:57:57	5.6	23	14.61
10:58:17	5.4	23	14.21
10:58:37	5.3	23	13.82
10:58:57	5.3	23	13.82

VOC Emission Data

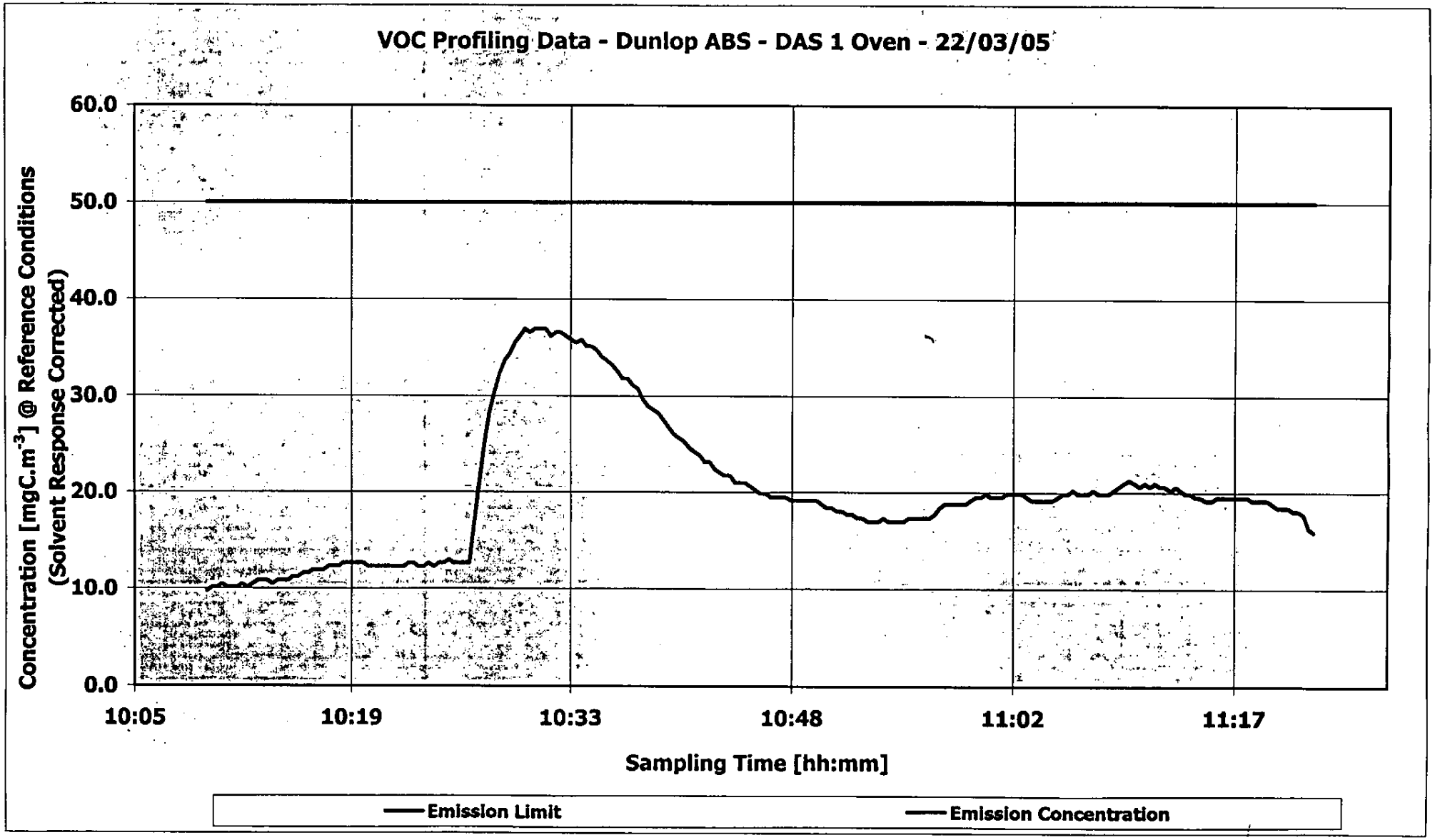
Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Paint Mix**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13941/ 42**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
10:59:17	5.3	23	13.82
10:59:37	5.1	23	13.47
10:59:57	5.3	23	13.82
11:00:17	5.4	23	14.21
11:00:37	5.4	23	14.21
11:00:57	5.4	23	14.21
11:01:17	5.4	23	14.21
11:01:37	5.4	23	14.21
11:01:57	5.4	23	14.21
11:02:17	5.4	23	14.21
11:02:37	5.4	23	14.21
11:02:57	5.4	23	14.21
11:03:17	5.4	23	14.21
11:03:37	5.4	23	14.21
11:03:57	5.4	23	14.21
11:04:17	5.4	23	14.21
11:04:37	5.4	23	14.21
11:04:57	5.4	23	14.21
11:05:17	5.4	23	14.21
11:05:37	5.4	23	14.21
11:05:57	5.4	23	14.21
11:06:17	5.4	23	14.21
11:06:37	5.4	23	14.21
11:06:57	5.3	23	13.82
11:07:17	5.3	23	13.82
11:07:37	5.3	23	13.82
11:07:57	5.3	23	13.82
11:08:17	5.3	23	13.82
11:08:37	5.3	23	13.82
11:08:57	5.3	23	13.82
11:09:17	5.3	23	13.82
11:09:37	5.3	23	13.82
11:09:57	5.3	23	13.82
11:10:17	5.3	23	13.82
11:10:37	5.3	23	13.82
11:10:57	5.3	23	13.82
11:11:17	5.3	23	13.82
11:11:37	5.1	23	13.47
11:11:57	5.1	23	13.47
11:12:17	73.1	23	191.53
11:12:37	16.4	23	43.04
11:12:57	14.6	23	38.17
11:13:17	13.0	23	34.04
11:13:37	68.4	23	179.21

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Paint Mix**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13941/ 42**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
11:13:57	36.4	23	95.37
11:14:17	34.1	23	89.41
11:14:37	27.0	23	70.72
11:14:57	24.7	23	64.71
11:15:17	28.8	23	75.59
11:15:37	10.6	23	27.68
11:15:57	9.7	23	25.45
11:16:17	10.6	23	27.68
Average	**8.0**	**Average**	**20.9**


VOC Profiling Data - Dunlop ABS - DAS 1 Oven - 22/03/05
Concentration [mgC.m-3] @ Reference Conditions (Solvent Response Corrected)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
10:05
10:19
10:33
10:48
11:02
11:17
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

Job Ref:	**OEH 33551**
Client Name:	**Dunlop ABS**
Location:	**DAS 1 Oven**
Date:	**22-Mar-05**
Scientist:	**AB/JL**

Technical Details

Instrument Type	**FID**
Calib Gas	**Methane**
% C:	**75**
Sample Number:	**SA 13931/ 32**
Instrument Range:	**337**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
10:09:48	3.7	85	9.76
10:10:08	3.8	85	10.14
10:10:28	3.8	85	10.14
10:10:48	3.9	85	10.48
10:11:08	3.8	85	10.14
10:11:28	3.8	85	10.14
10:11:48	3.8	85	10.14
10:12:08	3.9	85	10.48
10:12:28	3.8	85	10.14
10:12:48	3.9	85	10.48
10:13:08	4.1	85	10.86
10:13:28	4.1	85	10.86
10:13:48	4.1	85	10.86
10:14:08	3.9	85	10.48
10:14:28	4.1	85	10.86
10:14:48	4.1	85	10.86
10:15:08	4.1	85	10.86
10:15:28	4.2	85	11.20
10:15:48	4.2	85	11.20
10:16:08	4.4	85	11.58
10:16:28	4.4	85	11.58
10:16:48	4.5	85	11.92
10:17:08	4.5	85	11.92
10:17:28	4.5	85	11.92
10:17:48	4.6	85	12.30
10:18:08	4.6	85	12.30
10:18:28	4.6	85	12.30
10:18:48	4.7	85	12.64
10:19:08	4.7	85	12.64
10:19:28	4.7	85	12.64
10:19:48	4.7	85	12.64
10:20:08	4.7	85	12.64
10:20:28	4.6	85	12.30
10:20:48	4.6	85	12.30
10:21:08	4.6	85	12.30
10:21:28	4.6	85	12.30
10:21:48	4.6	85	12.30
10:22:08	4.6	85	12.30
10:22:28	4.6	85	12.30
10:22:48	4.6	85	12.30
10:23:08	4.7	85	12.64
10:23:28	4.7	85	12.64
10:23:48	4.6	85	12.30
10:24:08	4.6	85	12.30

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Oven**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13931/ 32**
		Instrument Range:	**337**
		Emission Limit:	**150**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:24:28	4.7	85	12.64
10:24:48	4.6	85	12.30
10:25:08	4.7	85	12.64
10:25:28	4.7	85	12.64
10:25:48	4.9	85	13.02
10:26:08	4.7	85	12.64
10:26:28	4.7	85	12.64
10:26:48	4.7	85	12.64
10:27:08	4.7	85	12.64
10:27:28	6.4	85	17.01
10:27:48	7.9	85	21.00
10:28:08	9.4	85	24.94
10:28:28	10.6	85	28.21
10:28:48	11.4	85	30.37
10:29:08	12.1	85	32.20
10:29:28	12.6	85	33.64
10:29:48	12.9	85	34.36
10:30:08	13.3	85	35.47
10:30:28	13.6	85	36.19
10:30:48	13.9	85	36.91
10:31:08	13.7	85	36.52
10:31:28	13.9	85	36.91
10:31:48	13.9	85	36.91
10:32:08	13.9	85	36.91
10:32:28	13.6	85	36.19
10:32:48	13.7	85	36.52
10:33:08	13.7	85	36.52
10:33:28	13.6	85	36.19
10:33:48	13.4	85	35.80
10:34:08	13.3	85	35.47
10:34:28	13.4	85	35.80
10:34:48	13.2	85	35.08
10:35:08	13.2	85	35.08
10:35:28	13.1	85	34.74
10:35:48	12.8	85	34.02
10:36:08	12.6	85	33.64
10:36:28	12.5	85	33.26
10:36:48	12.2	85	32.53
10:37:08	12.0	85	31.81
10:37:28	12.0	85	31.81
10:37:48	11.7	85	31.09
10:38:08	11.6	85	30.76
10:38:28	11.1	85	29.65
10:38:48	10.9	85	28.93

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Oven**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13931/ 32**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
10:39:08	10.7	85	28.59
10:39:28	10.6	85	28.21
10:39:48	10.3	85	27.49
10:40:08	10.1	85	26.77
10:40:28	9.8	85	26.05
10:40:48	9.6	85	25.66
10:41:08	9.5	85	25.33
10:41:28	9.2	85	24.60
10:41:48	9.1	85	24.22
10:42:08	9.0	85	23.88
10:42:28	8.7	85	23.16
10:42:48	8.7	85	23.16
10:43:08	8.4	85	22.44
10:43:28	8.3	85	22.06
10:43:48	8.2	85	21.72
10:44:08	8.2	85	21.72
10:44:28	7.9	85	21.00
10:44:48	7.9	85	21.00
10:45:08	7.9	85	21.00
10:45:28	7.7	85	20.62
10:45:48	7.6	85	20.23
10:46:08	7.5	85	19.90
10:46:28	7.5	85	19.90
10:46:48	7.3	85	19.51
10:47:08	7.3	85	19.51
10:47:28	7.3	85	19.51
10:47:48	7.3	85	19.51
10:48:08	7.2	85	19.17
10:48:28	7.2	85	19.17
10:48:48	7.2	85	19.17
10:49:08	7.2	85	19.17
10:49:28	7.2	85	19.17
10:49:48	7.2	85	19.17
10:50:08	7.1	85	18.79
10:50:28	6.9	85	18.45
10:50:48	6.9	85	18.45
10:51:08	6.8	85	18.07
10:51:28	6.8	85	18.07
10:51:48	6.7	85	17.73
10:52:08	6.7	85	17.73
10:52:28	6.5	85	17.35
10:52:48	6.5	85	17.35
10:53:08	6.4	85	17.01
10:53:28	6.4	85	17.01

VOC Emission Data

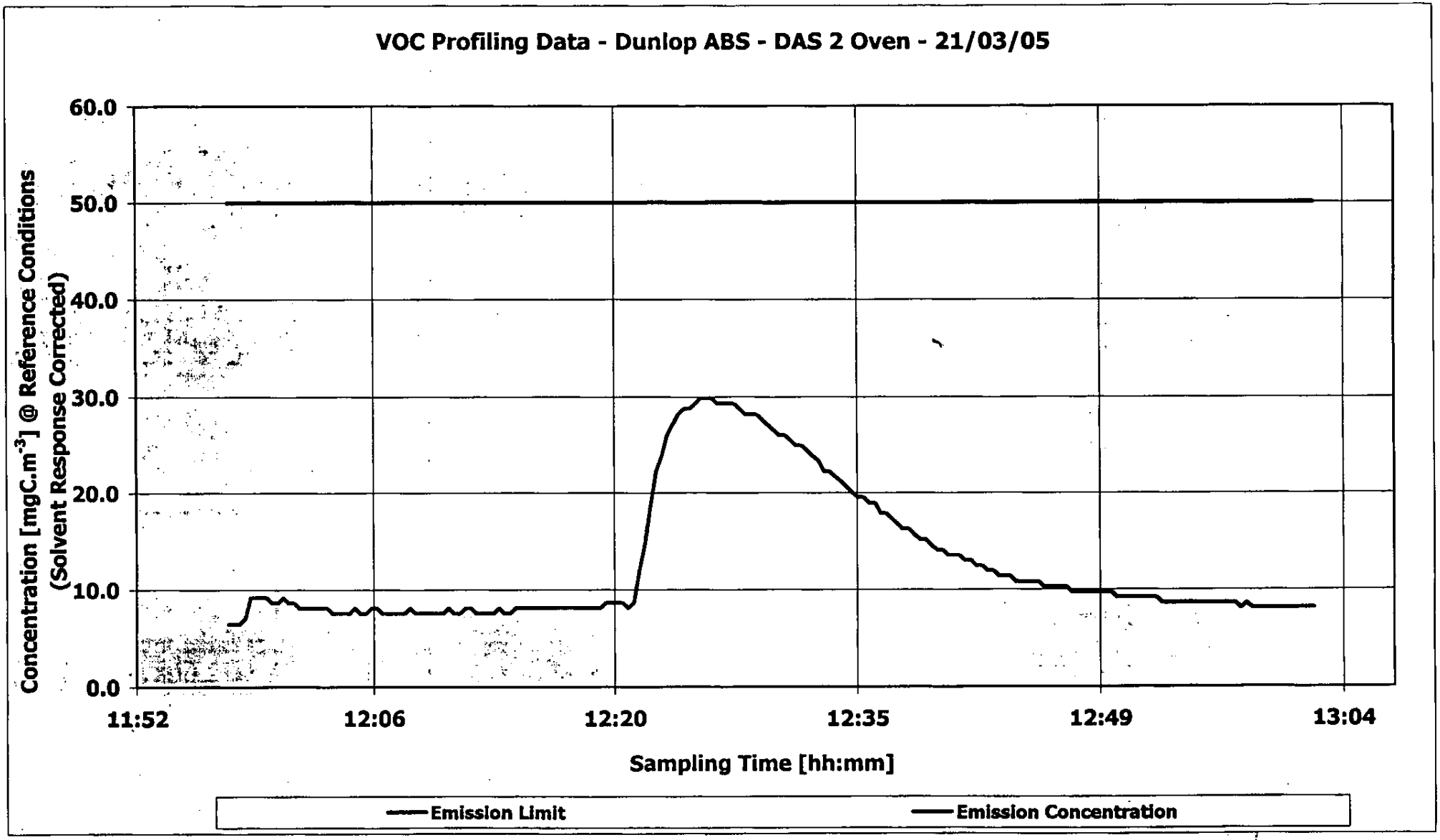
Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Oven**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13931/ 32**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:53:48	6.4	85	17.01
10:54:08	6.5	85	17.35
10:54:28	6.4	85	17.01
10:54:48	6.4	85	17.01
10:55:08	6.4	85	17.01
10:55:28	6.4	85	17.01
10:55:48	6.5	85	17.35
10:56:08	6.5	85	17.35
10:56:28	6.5	85	17.35
10:56:48	6.5	85	17.35
10:57:08	6.5	85	17.35
10:57:28	6.7	85	17.73
10:57:48	6.9	85	18.45
10:58:08	7.1	85	18.79
10:58:28	7.1	85	18.79
10:58:48	7.1	85	18.79
10:59:08	7.1	85	18.79
10:59:28	7.1	85	18.79
10:59:48	7.2	85	19.17
11:00:08	7.3	85	19.51
11:00:28	7.3	85	19.51
11:00:48	7.5	85	19.90
11:01:08	7.3	85	19.51
11:01:28	7.3	85	19.51
11:01:48	7.3	85	19.51
11:02:08	7.5	85	19.90
11:02:28	7.5	85	19.90
11:02:48	7.5	85	19.90
11:03:08	7.5	85	19.90
11:03:28	7.3	85	19.51
11:03:48	7.2	85	19.17
11:04:08	7.2	85	19.17
11:04:28	7.2	85	19.17
11:04:48	7.2	85	19.17
11:05:08	7.2	85	19.17
11:05:28	7.3	85	19.51
11:05:48	7.5	85	19.90
11:06:08	7.5	85	19.90
11:06:28	7.6	85	20.23
11:06:48	7.5	85	19.90
11:07:08	7.5	85	19.90
11:07:28	7.5	85	19.90
11:07:48	7.6	85	20.23
11:08:08	7.5	85	19.90

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 1 Oven**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13931/ 32**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
11:08:28	7.5	85	19.90
11:08:48	7.5	85	19.90
11:09:08	7.6	85	20.23
11:09:28	7.7	85	20.62
11:09:48	7.9	85	21.00
11:10:08	8.0	85	21.34
11:10:28	7.9	85	21.00
11:10:48	7.7	85	20.62
11:11:08	7.9	85	21.00
11:11:28	7.7	85	20.62
11:11:48	7.9	85	21.00
11:12:08	7.7	85	20.62
11:12:28	7.7	85	20.62
11:12:48	7.6	85	20.23
11:13:08	7.7	85	20.62
11:13:28	7.6	85	20.23
11:13:48	7.5	85	19.90
11:14:08	7.5	85	19.90
11:14:28	7.3	85	19.51
11:14:48	7.3	85	19.51
11:15:08	7.2	85	19.17
11:15:28	7.2	85	19.17
11:15:48	7.3	85	19.51
11:16:08	7.3	85	19.51
11:16:28	7.3	85	19.51
11:16:48	7.3	85	19.51
11:17:08	7.3	85	19.51
11:17:28	7.3	85	19.51
11:17:48	7.3	85	19.51
11:18:08	7.2	85	19.17
11:18:28	7.2	85	19.17
11:18:48	7.2	85	19.17
11:19:08	7.2	85	19.17
11:19:28	7.1	85	18.79
11:19:48	6.9	85	18.45
11:20:08	6.9	85	18.45
11:20:28	6.9	85	18.45
11:20:48	6.8	85	18.07
11:21:08	6.8	85	18.07
11:21:28	6.7	85	17.73
11:21:48	6.1	85	16.29
11:22:08	6.0	85	15.91
Average	**7.5**	**Average**	**20.0**


VOC Profiling Data - Dunlop ABS - DAS 2 Oven - 21/03/05
Concentration [mgC.m-3] @ Reference Conditions
(Solvent Response Corrected)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
11:52
12:06
12:20
12:35
12:49
13:04
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

Job Ref:	**OEH 33551**
Client Name:	**Dunlop ABS**
Location:	**DAS 2 Oven**
Date:	**21-Mar-05**
Scientist:	**AB/JL**

Technical Details

Instrument Type	**FID**
Calib Gas	**Methane**
% C:	**75**
Sample Number:	**SA 13917/ 18**
Instrument Range:	**337**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
11:57:35	1.6	95	6.49
11:57:55	1.6	95	6.49
11:58:15	1.6	95	6.49
11:58:35	1.8	95	7.06
11:58:55	2.3	95	9.22
11:59:15	2.3	95	9.22
11:59:35	2.3	95	9.22
11:59:55	2.3	95	9.22
12:00:15	2.2	95	8.65
12:00:35	2.2	95	8.65
12:00:55	2.3	95	9.22
12:01:15	2.2	95	8.65
12:01:35	2.2	95	8.65
12:01:55	2.0	95	8.14
12:02:15	2.0	95	8.14
12:02:35	2.0	95	8.14
12:02:55	2.0	95	8.14
12:03:15	2.0	95	8.14
12:03:35	2.0	95	8.14
12:03:55	1.9	95	7.57
12:04:15	1.9	95	7.57
12:04:35	1.9	95	7.57
12:04:55	1.9	95	7.57
12:05:15	2.0	95	8.14
12:05:35	1.9	95	7.57
12:05:55	1.9	95	7.57
12:06:15	2.0	95	8.14
12:06:35	2.0	95	8.14
12:06:55	1.9	95	7.57
12:07:15	1.9	95	7.57
12:07:35	1.9	95	7.57
12:07:55	1.9	95	7.57
12:08:15	1.9	95	7.57
12:08:35	2.0	95	8.14
12:08:55	1.9	95	7.57
12:09:15	1.9	95	7.57
12:09:35	1.9	95	7.57
12:09:55	1.9	95	7.57
12:10:15	1.9	95	7.57
12:10:35	1.9	95	7.57
12:10:55	2.0	95	8.14
12:11:15	1.9	95	7.57
12:11:35	1.9	95	7.57
12:11:55	2.0	95	8.14

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 2 Oven**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13917/ 18**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
12:12:15	2.0	95	8.14
12:12:35	1.9	95	7.57
12:12:55	1.9	95	7.57
12:13:15	1.9	95	7.57
12:13:35	1.9	95	7.57
12:13:55	2.0	95	8.14
12:14:15	1.9	95	7.57
12:14:35	1.9	95	7.57
12:14:55	2.0	95	8.14
12:15:15	2.0	95	8.14
12:15:35	2.0	95	8.14
12:15:55	2.0	95	8.14
12:16:15	2.0	95	8.14
12:16:35	2.0	95	8.14
12:16:55	2.0	95	8.14
12:17:15	2.0	95	8.14
12:17:35	2.0	95	8.14
12:17:55	2.0	95	8.14
12:18:15	2.0	95	8.14
12:18:35	2.0	95	8.14
12:18:55	2.0	95	8.14
12:19:15	2.0	95	8.14
12:19:35	2.0	95	8.14
12:19:55	2.0	95	8.14
12:20:15	2.2	95	8.65
12:20:35	2.2	95	8.65
12:20:55	2.2	95	8.65
12:21:15	2.2	95	8.65
12:21:35	2.0	95	8.14
12:21:55	2.2	95	8.65
12:22:15	3.0	95	11.96
12:22:35	3.7	95	14.63
12:22:55	4.6	95	18.45
12:23:15	5.6	95	22.27
12:23:35	6.0	95	23.85
12:23:55	6.5	95	26.01
12:24:15	6.8	95	27.10
12:24:35	7.1	95	28.18
12:24:55	7.2	95	28.75
12:25:15	7.2	95	28.75
12:25:35	7.3	95	29.26
12:25:55	7.5	95	29.83
12:26:15	7.5	95	29.83
12:26:35	7.5	95	29.83

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 2 Oven**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13917/ 18**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:26:55	7.3	95	29.26
12:27:15	7.3	95	29.26
12:27:35	7.3	95	29.26
12:27:55	7.3	95	29.26
12:28:15	7.2	95	28.75
12:28:35	7.1	95	28.18
12:28:55	7.1	95	28.18
12:29:15	7.1	95	28.18
12:29:35	6.9	95	27.67
12:29:55	6.8	95	27.10
12:30:15	6.7	95	26.59
12:30:35	6.5	95	26.01
12:30:55	6.5	95	26.01
12:31:15	6.4	95	25.51
12:31:35	6.2	95	24.93
12:31:55	6.2	95	24.93
12:32:15	6.1	95	24.43
12:32:35	6.0	95	23.85
12:32:55	5.8	95	23.35
12:33:15	5.6	95	22.27
12:33:35	5.6	95	22.27
12:33:55	5.4	95	21.69
12:34:15	5.3	95	21.19
12:34:35	5.2	95	20.61
12:34:55	5.0	95	20.03
12:35:15	4.9	95	19.53
12:35:35	4.9	95	19.53
12:35:55	4.7	95	18.95
12:36:15	4.7	95	18.95
12:36:35	4.5	95	17.87
12:36:55	4.5	95	17.87
12:37:15	4.4	95	17.37
12:37:35	4.2	95	16.79
12:37:55	4.1	95	16.29
12:38:15	4.1	95	16.29
12:38:35	3.9	95	15.71
12:38:55	3.8	95	15.21
12:39:15	3.8	95	15.21
12:39:35	3.7	95	14.63
12:39:55	3.5	95	14.12
12:40:15	3.5	95	14.12
12:40:35	3.4	95	13.55
12:40:55	3.4	95	13.55
12:41:15	3.4	95	13.55

VOC Emission Data

Job Ref:	**OEH 33551**
Client Name:	**Dunlop ABS**
Location:	**DAS 2 Oven**
Date:	**21-Mar-05**
Scientist:	**AB/JL**

Technical Details

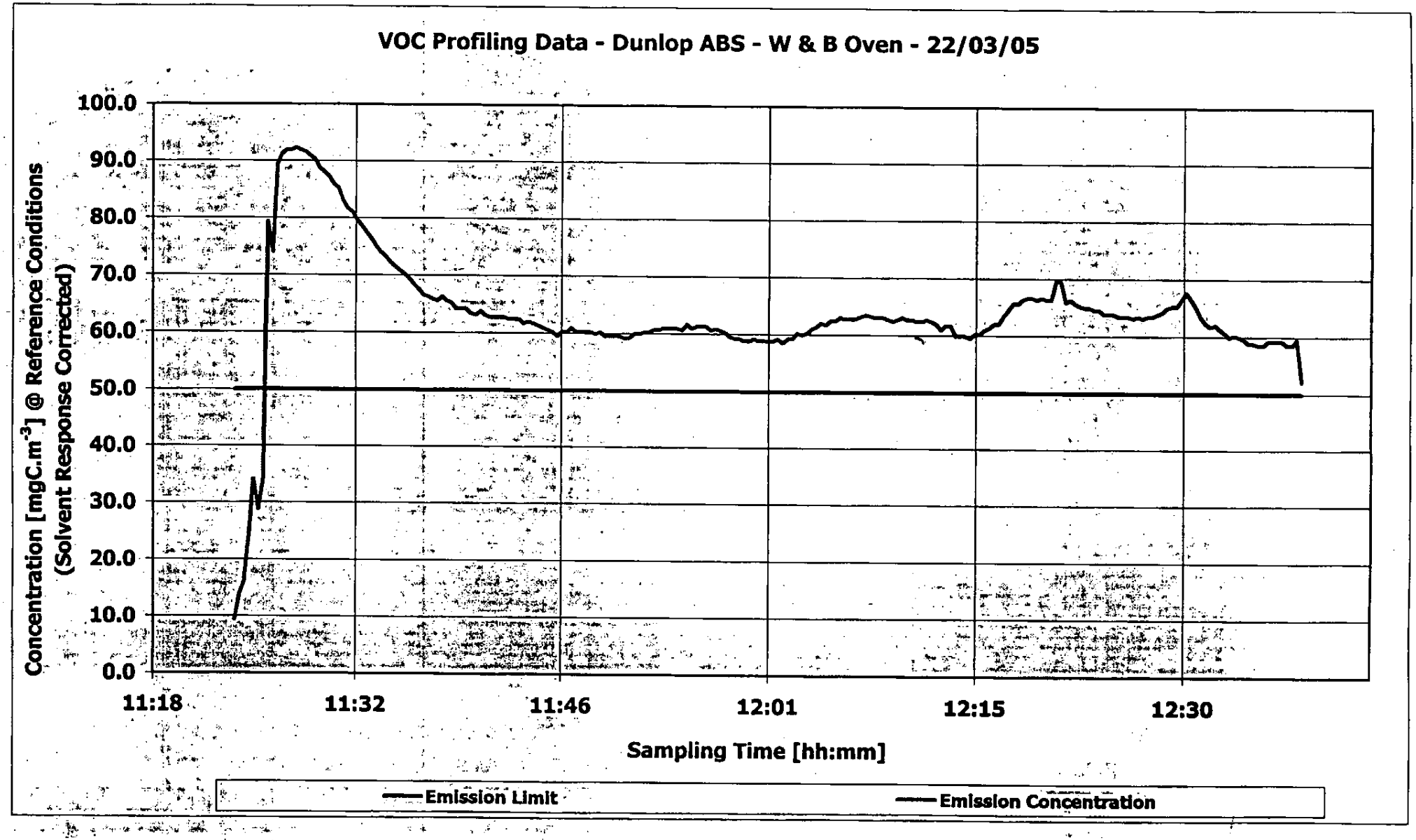
Instrument Type	**FID**
Calib Gas	**Methane**
% C:	**75**
Sample Number:	**SA 13917/ 18**
Instrument Range:	**337**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:41:35	3.3	95	13.04
12:41:55	3.3	95	13.04
12:42:15	3.1	95	12.47
12:42:35	3.1	95	12.47
12:42:55	3.0	95	11.96
12:43:15	3.0	95	11.96
12:43:35	2.9	95	11.39
12:43:55	2.9	95	11.39
12:44:15	2.9	95	11.39
12:44:35	2.7	95	10.81
12:44:55	2.7	95	10.81
12:45:15	2.7	95	10.81
12:45:35	2.7	95	10.81
12:45:55	2.7	95	10.81
12:46:15	2.6	95	10.31
12:46:35	2.6	95	10.31
12:46:55	2.6	95	10.31
12:47:15	2.6	95	10.31
12:47:35	2.6	95	10.31
12:47:55	2.4	95	9.73
12:48:15	2.4	95	9.73
12:48:35	2.4	95	9.73
12:48:55	2.4	95	9.73
12:49:15	2.4	95	9.73
12:49:35	2.4	95	9.73
12:49:55	2.4	95	9.73
12:50:15	2.4	95	9.73
12:50:35	2.3	95	9.22
12:50:55	2.3	95	9.22
12:51:15	2.3	95	9.22
12:51:35	2.3	95	9.22
12:51:55	2.3	95	9.22
12:52:15	2.3	95	9.22
12:52:35	2.3	95	9.22
12:52:55	2.3	95	9.22
12:53:15	2.2	95	8.65
12:53:35	2.2	95	8.65
12:53:55	2.2	95	8.65
12:54:15	2.2	95	8.65
12:54:35	2.2	95	8.65
12:54:55	2.2	95	8.65
12:55:15	2.2	95	8.65
12:55:35	2.2	95	8.65
12:55:55	2.2	95	8.65

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAS 2 Oven**	**Calib Gas**	**Methane**
Date:	**21-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13917/ 18**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:56:15	2.2	95	8.65
12:56:35	2.2	95	8.65
12:56:55	2.2	95	8.65
12:57:15	2.2	95	8.65
12:57:35	2.2	95	8.65
12:57:55	2.0	95	8.14
12:58:15	2.2	95	8.65
12:58:35	2.0	95	8.14
12:58:55	2.0	95	8.14
12:59:15	2.0	95	8.14
12:59:35	2.0	95	8.14
12:59:55	2.0	95	8.14
13:00:15	2.0	95	8.14
13:00:35	2.0	95	8.14
13:00:55	2.0	95	8.14
13:01:15	2.0	95	8.14
13:01:35	2.0	95	8.14
13:01:55	2.0	95	8.14
13:02:15	2.0	95	8.14
Average	**3.2**	**Average**	**12.8**


VOC Profiling Data - Dunlop ABS - W & B Oven - 22/03/05
Concentration [mgC.m-3] @ Reference Conditions
(Solvent Response Corrected)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
11:18
11:32
11:46
12:01
12:15
12:30
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Oven**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13933/ 34**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
11:23:48	3.7	60	9.50
11:24:08	5.4	60	13.99
11:24:28	6.2	60	16.15
11:24:48	9.5	60	24.67
11:25:08	13.2	60	34.17
11:25:28	11.1	60	28.88
11:25:48	13.2	60	34.17
11:26:08	30.6	60	79.28
11:26:28	28.5	60	74.00
11:26:48	34.5	60	89.49
11:27:08	35.2	60	91.27
11:27:28	35.5	60	91.97
11:27:48	35.5	60	91.97
11:28:08	35.6	60	92.30
11:28:28	35.5	60	91.97
11:28:48	35.3	60	91.59
11:29:08	35.1	60	90.89
11:29:28	34.8	60	90.19
11:29:48	34.2	60	88.79
11:30:08	34.0	60	88.08
11:30:28	33.7	60	87.38
11:30:48	33.2	60	85.98
11:31:08	32.9	60	85.28
11:31:28	32.1	60	83.12
11:31:48	31.5	60	81.72
11:32:08	31.3	60	81.02
11:32:28	30.7	60	79.61
11:32:48	30.3	60	78.58
11:33:08	29.9	60	77.51
11:33:28	29.5	60	76.43
11:33:48	28.9	60	75.03
11:34:08	28.5	60	74.00
11:34:28	28.3	60	73.29
11:34:48	27.9	60	72.22
11:35:08	27.6	60	71.52
11:35:28	27.3	60	70.81
11:35:48	27.0	60	70.11
11:36:08	26.8	60	69.41
11:36:28	26.4	60	68.33
11:36:48	26.1	60	67.63
11:37:08	25.7	60	66.60
11:37:28	25.5	60	66.23
11:37:48	25.4	60	65.90
11:38:08	25.3	60	65.52

VOC Emission Data

Job Ref:	**OEH 33551**
Client Name:	**Dunlop ABS**
Location:	**W & B Oven**
Date:	**22-Mar-05**
Scientist:	**AB/JL**

Technical Details

Instrument Type	**FID**
Calib Gas	**Methane**
% C:	**75**
Sample Number:	**SA 13933/ 34**
Instrument Range:	**337**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
11:38:28	25.5	60	66.23
11:38:48	25.3	60	65.52
11:39:08	25.1	60	65.20
11:39:28	24.7	60	64.12
11:39:48	24.7	60	64.12
11:40:08	24.7	60	64.12
11:40:28	24.5	60	63.42
11:40:48	24.3	60	63.04
11:41:08	24.6	60	63.75
11:41:28	24.3	60	63.04
11:41:48	24.2	60	62.72
11:42:08	24.2	60	62.72
11:42:28	24.2	60	62.72
11:42:48	24.2	60	62.72
11:43:08	24.0	60	62.34
11:43:28	24.0	60	62.34
11:43:48	24.0	60	62.34
11:44:08	23.8	60	61.64
11:44:28	23.9	60	62.01
11:44:48	23.8	60	61.64
11:45:08	23.7	60	61.31
11:45:28	23.5	60	60.94
11:45:48	23.4	60	60.61
11:46:08	23.2	60	60.24
11:46:28	23.0	60	59.53
11:46:48	23.2	60	60.24
11:47:08	23.2	60	60.24
11:47:28	23.5	60	60.94
11:47:48	23.2	60	60.24
11:48:08	23.2	60	60.24
11:48:28	23.2	60	60.24
11:48:48	23.2	60	60.24
11:49:08	23.1	60	59.91
11:49:28	23.2	60	60.24
11:49:48	23.0	60	59.53
11:50:08	23.0	60	59.53
11:50:28	23.0	60	59.53
11:50:48	23.0	60	59.53
11:51:08	22.8	60	59.21
11:51:28	22.8	60	59.21
11:51:48	23.1	60	59.91
11:52:08	23.1	60	59.91
11:52:28	23.2	60	60.24
11:52:48	23.2	60	60.24

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Oven**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13933/ 34**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
11:53:08	23.4	60	60.61
11:53:28	23.4	60	60.61
11:53:48	23.5	60	60.94
11:54:08	23.5	60	60.94
11:54:28	23.5	60	60.94
11:54:48	23.5	60	60.94
11:55:08	23.4	60	60.61
11:55:28	23.8	60	61.64
11:55:48	23.5	60	60.94
11:56:08	23.7	60	61.31
11:56:28	23.7	60	61.31
11:56:48	23.7	60	61.31
11:57:08	23.4	60	60.61
11:57:28	23.5	60	60.94
11:57:48	23.4	60	60.61
11:58:08	23.2	60	60.24
11:58:28	23.0	60	59.53
11:58:48	22.8	60	59.21
11:59:08	22.8	60	59.21
11:59:28	22.7	60	58.83
11:59:48	22.7	60	58.83
12:00:08	22.8	60	59.21
12:00:28	22.7	60	58.83
12:00:48	22.7	60	58.83
12:01:08	22.7	60	58.83
12:01:28	22.7	60	58.83
12:01:48	22.8	60	59.21
12:02:08	22.6	60	58.50
12:02:28	22.8	60	59.21
12:02:48	22.8	60	59.21
12:03:08	23.2	60	60.24
12:03:28	23.1	60	59.91
12:03:48	23.2	60	60.24
12:04:08	23.5	60	60.94
12:04:28	23.7	60	61.31
12:04:48	23.9	60	62.01
12:05:08	23.8	60	61.64
12:05:28	24.0	60	62.34
12:05:48	24.0	60	62.34
12:06:08	24.3	60	63.04
12:06:28	24.2	60	62.72
12:06:48	24.2	60	62.72
12:07:08	24.2	60	62.72
12:07:28	24.3	60	63.04

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**W & B Oven**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13933/ 34**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:07:48	24.5	60	63.42
12:08:08	24.5	60	63.42
12:08:28	24.3	60	63.04
12:08:48	24.3	60	63.04
12:09:08	24.3	60	63.04
12:09:28	24.2	60	62.72
12:09:48	24.0	60	62.34
12:10:08	24.2	60	62.72
12:10:28	24.3	60	63.04
12:10:48	24.2	60	62.72
12:11:08	24.2	60	62.72
12:11:28	24.0	60	62.34
12:11:48	24.0	60	62.34
12:12:08	24.2	60	62.72
12:12:28	24.0	60	62.34
12:12:48	23.9	60	62.01
12:13:08	23.5	60	60.94
12:13:28	23.8	60	61.64
12:13:48	23.8	60	61.64
12:14:08	23.1	60	59.91
12:14:28	23.1	60	59.91
12:14:48	23.1	60	59.91
12:15:08	23.0	60	59.53
12:15:28	23.2	60	60.24
12:15:48	23.2	60	60.24
12:16:08	23.5	60	60.94
12:16:28	23.7	60	61.31
12:16:48	23.9	60	62.01
12:17:08	23.9	60	62.01
12:17:28	24.5	60	63.42
12:17:48	24.9	60	64.49
12:18:08	25.3	60	65.52
12:18:28	25.3	60	65.52
12:18:48	25.5	60	66.23
12:19:08	25.7	60	66.60
12:19:28	25.7	60	66.60
12:19:48	25.5	60	66.23
12:20:08	25.7	60	66.60
12:20:28	25.5	60	66.23
12:20:48	25.5	60	66.23
12:21:08	26.9	60	69.74
12:21:28	26.8	60	69.41
12:21:48	25.4	60	65.90
12:22:08	25.5	60	66.23

VOC Emission Data

Job Ref:	**OEH 33551**
Client Name:	**Dunlop ABS**
Location:	**W & B Oven**
Date:	**22-Mar-05**
Scientist:	**AB/JL**

Technical Details

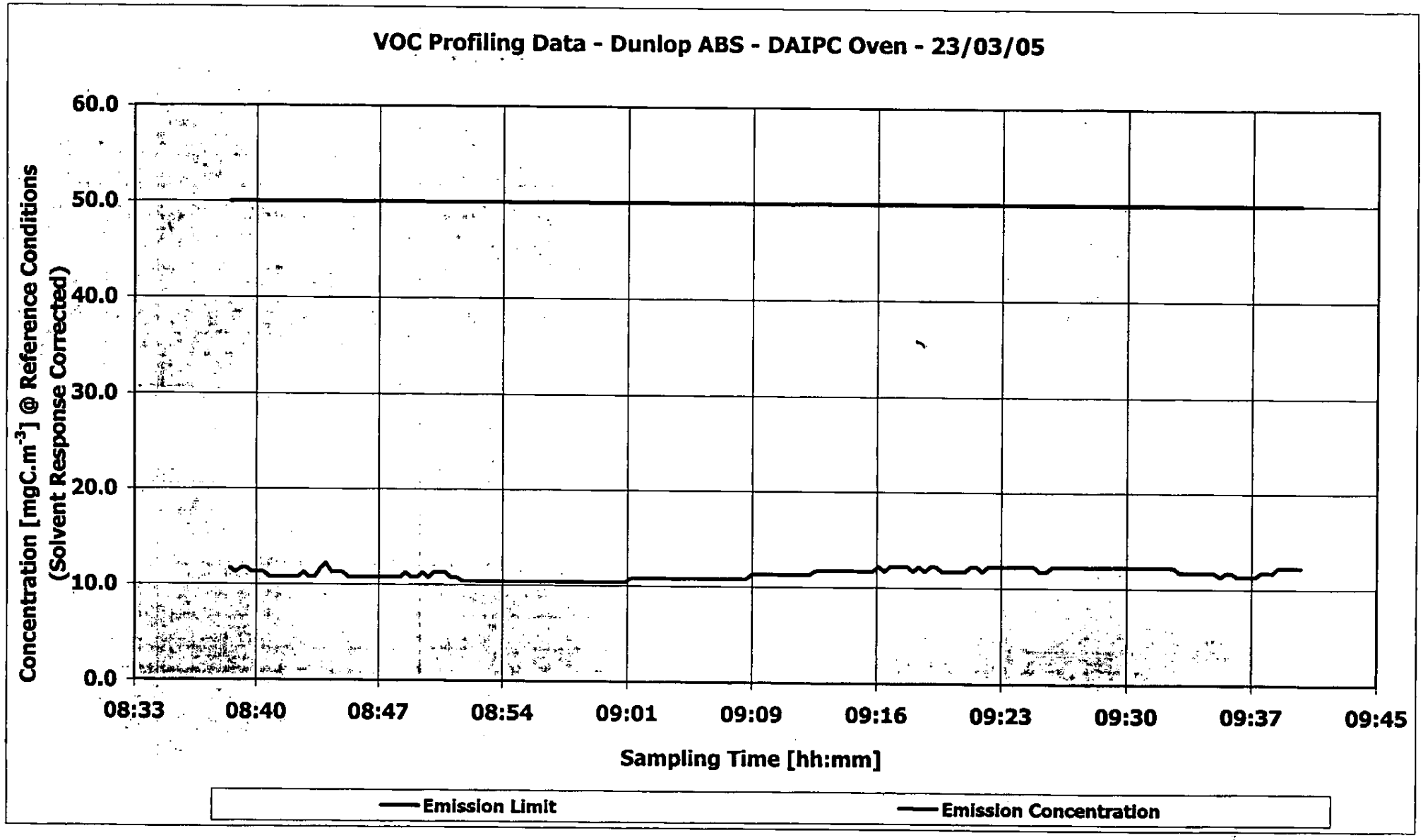
Instrument Type	**FID**
Calib Gas	**Methane**
% C:	**75**
Sample Number:	**SA 13933/ 34**
Instrument Range:	**337**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
12:22:28	25.3	60	65.52
12:22:48	25.1	60	65.20
12:23:08	25.0	60	64.82
12:23:28	25.0	60	64.82
12:23:48	24.9	60	64.49
12:24:08	24.9	60	64.49
12:24:28	24.6	60	63.75
12:24:48	24.6	60	63.75
12:25:08	24.6	60	63.75
12:25:28	24.5	60	63.42
12:25:48	24.5	60	63.42
12:26:08	24.5	60	63.42
12:26:28	24.3	60	63.04
12:26:48	24.5	60	63.42
12:27:08	24.3	60	63.04
12:27:28	24.5	60	63.42
12:27:48	24.5	60	63.42
12:28:08	24.6	60	63.75
12:28:28	24.7	60	64.12
12:28:48	25.0	60	64.82
12:29:08	25.1	60	65.20
12:29:28	25.1	60	65.20
12:29:48	25.5	60	66.23
12:30:08	26.1	60	67.63
12:30:28	25.7	60	66.60
12:30:48	25.1	60	65.20
12:31:08	24.5	60	63.42
12:31:28	24.0	60	62.34
12:31:48	23.8	60	61.64
12:32:08	23.9	60	62.01
12:32:28	23.7	60	61.31
12:32:48	23.4	60	60.61
12:33:08	23.1	60	59.91
12:33:28	23.2	60	60.24
12:33:48	23.1	60	59.91
12:34:08	23.0	60	59.53
12:34:28	22.7	60	58.83
12:34:48	22.7	60	58.83
12:35:08	22.6	60	58.50
12:35:28	22.6	60	58.50
12:35:48	22.8	60	59.21
12:36:08	22.8	60	59.21
12:36:28	22.8	60	59.21
12:36:48	22.8	60	59.21

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type:**	**FID**
Location:	**W & B Oven**	**Calib Gas**	**Methane**
Date:	**22-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13933/ 34**
		Instrument Range:	**337**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:37:08	22.6	60	58.50
12:37:28	22.6	60	58.50
12:37:48	23.0	60	59.53
12:38:08	20.1	60	52.14
Average	**24.5**	**Average**	**63.6**


VOC Profiling Data - Dunlop ABS - DAIPC Oven - 23/03/05
Concentration [mgC.m-3] @ Reference Conditions (Solvent Response Corrected)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
08:33
08:40
08:47
08:54
09:01
09:09
09:16
09:23
09:30
09:37
09:45
Sampling Time [hh:mm]
Emission Limit
Emission Concentration

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Oven**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13939/ 40**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
08:38:37	3.6	70	11.75
08:38:57	3.4	70	11.32
08:39:17	3.6	70	11.75
08:39:37	3.6	70	11.75
08:39:57	3.4	70	11.32
08:40:17	3.4	70	11.32
08:40:37	3.4	70	11.32
08:40:57	3.3	70	10.81
08:41:17	3.3	70	10.81
08:41:37	3.3	70	10.81
08:41:57	3.3	70	10.81
08:42:17	3.3	70	10.81
08:42:37	3.3	70	10.81
08:42:57	3.4	70	11.32
08:43:17	3.3	70	10.81
08:43:37	3.3	70	10.81
08:43:57	3.6	70	11.75
08:44:17	3.7	70	12.25
08:44:37	3.4	70	11.32
08:44:57	3.4	70	11.32
08:45:17	3.4	70	11.32
08:45:37	3.3	70	10.81
08:45:57	3.3	70	10.81
08:46:17	3.3	70	10.81
08:46:37	3.3	70	10.81
08:46:57	3.3	70	10.81
08:47:17	3.3	70	10.81
08:47:37	3.3	70	10.81
08:47:57	3.3	70	10.81
08:48:17	3.3	70	10.81
08:48:37	3.3	70	10.81
08:48:57	3.4	70	11.32
08:49:17	3.3	70	10.81
08:49:37	3.3	70	10.81
08:49:57	3.4	70	11.32
08:50:17	3.3	70	10.81
08:50:37	3.4	70	11.32
08:50:57	3.4	70	11.32
08:51:17	3.4	70	11.32
08:51:37	3.3	70	10.81
08:51:57	3.3	70	10.81
08:52:17	3.1	70	10.38
08:52:37	3.1	70	10.38
08:52:57	3.1	70	10.38

VOC Emission Data

Job Ref:	**OEH 33551**
Client Name:	**Dunlop ABS**
Location:	**DAIPC Oven**
Date:	**23-Mar-05**
Scientist:	**AB/JL**

Technical Details

Instrument Type	**FID**
Calib Gas	**Methane**
% C:	**75**
Sample Number:	**SA 13939/ 40**
Instrument Range:	**354**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
08:53:17	3.1	70	10.38
08:53:37	3.1	70	10.38
08:53:57	3.1	70	10.38
08:54:17	3.1	70	10.38
08:54:37	3.1	70	10.38
08:54:57	3.1	70	10.38
08:55:17	3.1	70	10.38
08:55:37	3.1	70	10.38
08:55:57	3.1	70	10.38
08:56:17	3.1	70	10.38
08:56:37	3.1	70	10.38
08:56:57	3.1	70	10.38
08:57:17	3.1	70	10.38
08:57:37	3.1	70	10.38
08:57:57	3.1	70	10.38
08:58:17	3.1	70	10.38
08:58:37	3.1	70	10.38
08:58:57	3.1	70	10.38
08:59:17	3.1	70	10.38
08:59:37	3.1	70	10.38
08:59:57	3.1	70	10.38
09:00:17	3.1	70	10.38
09:00:37	3.1	70	10.38
09:00:57	3.1	70	10.38
09:01:17	3.1	70	10.38
09:01:37	3.1	70	10.38
09:01:57	3.3	70	10.81
09:02:17	3.3	70	10.81
09:02:37	3.3	70	10.81
09:02:57	3.3	70	10.81
09:03:17	3.3	70	10.81
09:03:37	3.3	70	10.81
09:03:57	3.3	70	10.81
09:04:17	3.3	70	10.81
09:04:37	3.3	70	10.81
09:04:57	3.3	70	10.81
09:05:17	3.3	70	10.81
09:05:37	3.3	70	10.81
09:05:57	3.3	70	10.81
09:06:17	3.3	70	10.81
09:06:37	3.3	70	10.81
09:06:57	3.3	70	10.81
09:07:17	3.3	70	10.81
09:07:37	3.3	70	10.81

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Oven**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13939/ 40**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
09:07:57	3.3	70	10.81
09:08:17	3.3	70	10.81
09:08:37	3.3	70	10.81
09:08:57	3.4	70	11.32
09:09:17	3.4	70	11.32
09:09:37	3.4	70	11.32
09:09:57	3.4	70	11.32
09:10:17	3.4	70	11.32
09:10:37	3.4	70	11.32
09:10:57	3.4	70	11.32
09:11:17	3.4	70	11.32
09:11:37	3.4	70	11.32
09:11:57	3.4	70	11.32
09:12:17	3.4	70	11.32
09:12:37	3.6	70	11.75
09:12:57	3.6	70	11.75
09:13:17	3.6	70	11.75
09:13:37	3.6	70	11.75
09:13:57	3.6	70	11.75
09:14:17	3.6	70	11.75
09:14:37	3.6	70	11.75
09:14:57	3.6	70	11.75
09:15:17	3.6	70	11.75
09:15:37	3.6	70	11.75
09:15:57	3.6	70	11.75
09:16:17	3.7	70	12.25
09:16:37	3.6	70	11.75
09:16:57	3.7	70	12.25
09:17:17	3.7	70	12.25
09:17:37	3.7	70	12.25
09:17:57	3.7	70	12.25
09:18:17	3.6	70	11.75
09:18:37	3.7	70	12.25
09:18:57	3.6	70	11.75
09:19:17	3.7	70	12.25
09:19:37	3.7	70	12.25
09:19:57	3.6	70	11.75
09:20:17	3.6	70	11.75
09:20:37	3.6	70	11.75
09:20:57	3.6	70	11.75
09:21:17	3.6	70	11.75
09:21:37	3.7	70	12.25
09:21:57	3.7	70	12.25
09:22:17	3.6	70	11.75

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Oven**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13939/ 40**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
09:22:37	3.7	70	12.25
09:22:57	3.7	70	12.25
09:23:17	3.7	70	12.25
09:23:37	3.7	70	12.25
09:23:57	3.7	70	12.25
09:24:17	3.7	70	12.25
09:24:37	3.7	70	12.25
09:24:57	3.7	70	12.25
09:25:17	3.7	70	12.25
09:25:37	3.6	70	11.75
09:25:57	3.6	70	11.75
09:26:17	3.7	70	12.25
09:26:37	3.7	70	12.25
09:26:57	3.7	70	12.25
09:27:17	3.7	70	12.25
09:27:37	3.7	70	12.25
09:27:57	3.7	70	12.25
09:28:17	3.7	70	12.25
09:28:37	3.7	70	12.25
09:28:57	3.7	70	12.25
09:29:17	3.7	70	12.25
09:29:37	3.7	70	12.25
09:29:57	3.7	70	12.25
09:30:17	3.7	70	12.25
09:30:37	3.7	70	12.25
09:30:57	3.7	70	12.25
09:31:17	3.7	70	12.25
09:31:37	3.7	70	12.25
09:31:57	3.7	70	12.25
09:32:17	3.7	70	12.25
09:32:37	3.7	70	12.25
09:32:57	3.7	70	12.25
09:33:17	3.7	70	12.25
09:33:37	3.6	70	11.75
09:33:57	3.6	70	11.75
09:34:17	3.6	70	11.75
09:34:37	3.6	70	11.75
09:34:57	3.6	70	11.75
09:35:17	3.6	70	11.75
09:35:37	3.6	70	11.75
09:35:57	3.4	70	11.32
09:36:17	3.6	70	11.75
09:36:37	3.6	70	11.75
09:36:57	3.4	70	11.32

VOC Emission Data

Job Ref:	**OEH 33551**	**Technical Details**	
Client Name:	**Dunlop ABS**	**Instrument Type**	**FID**
Location:	**DAIPC Oven**	**Calib Gas**	**Methane**
Date:	**23-Mar-05**	**% C:**	**75**
Scientist:	**AB/JL**	**Sample Number:**	**SA 13939/ 40**
		Instrument Range:	**354**
		Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
09:37:17	3.4	70	11.32
09:37:37	3.4	70	11.32
09:37:57	3.4	70	11.32
09:38:17	3.6	70	11.75
09:38:37	3.6	70	11.75
09:38:57	3.6	70	11.75
09:39:17	3.7	70	12.25
09:39:37	3.7	70	12.25
09:39:57	3.7	70	12.25
09:40:17	3.7	70	12.25
09:40:37	3.7	70	12.25
Average	**3.5**	**Average**	**11.4**