CHILLAIRE LTD.

AIR CONDITIONING - HEATING - VENTILATION

Registered in England No. 2686557

Head Office Coventry Established 1992

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Trelleborg Ltd
Coventry Plant
Holbrook Lane
Coventry
West Midlands
CV6 4AA

10th August 2005

For the attention of John Davenport

Dear John

Further to a site visit on 5th August 2005, to carry out airflow velocity readings on the 2 No. recently modified Extraction Systems in the Microvaon Area, please find enclosed the full report for you information/records.

Systems LEV 002 & 003 are now fully compliant with the required Exhaust Velocity of over 10.0 metres per second.

We trust the above and enclosed meets with your approval.

Assuring you of our continued best attention at all times.

Yours sincerely
For and behalf of Chillaire Ltd

[redacted]

Susan Carpenter
Senior Operations Coordinator
024 7632 4656

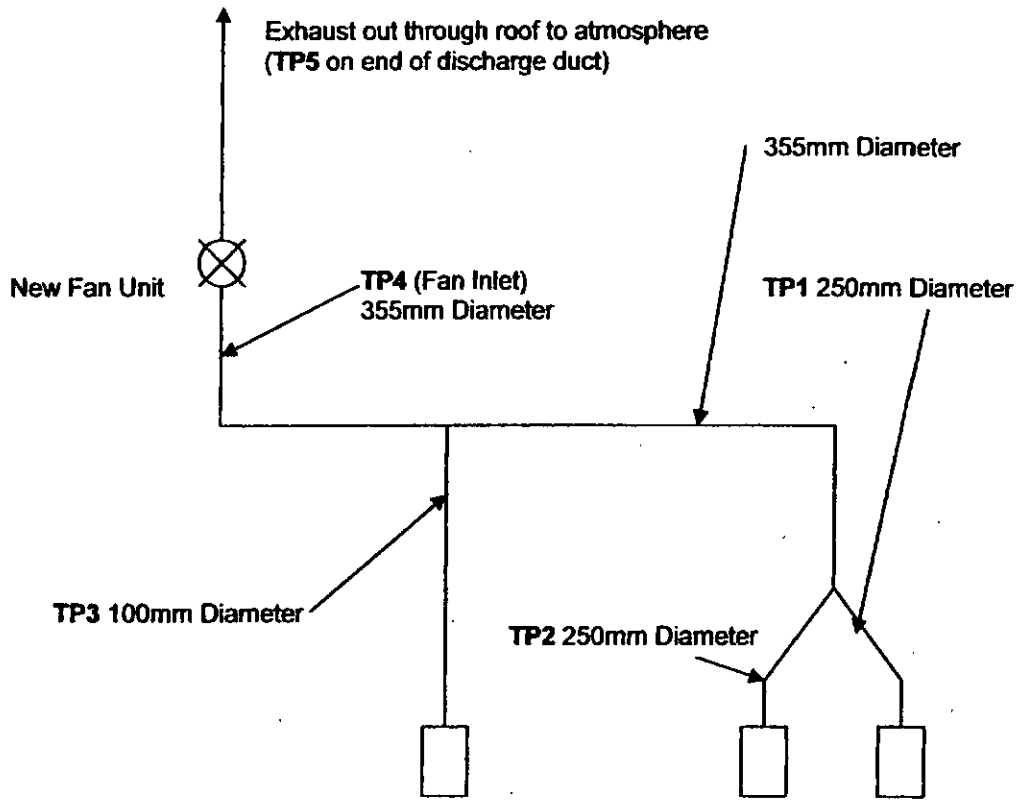
s.carpenter@chillaire.co.uk

Enc

LEV SYSTEM RECORD

Site/Location	Area	LEV Ref.
Chillaire Limited Ref: Trelleborg Ltd, Holbrooks Lane, Coventry	Microvon Department	LEV 002
System Description	**Manufacturer**	**Serial No.**
Ducted Fume Extraction System (Axial Fan) serving the DESMA No.3 Machine	Unknown	Unknown

System Schematic



Method of test	Rotating Vane & Hot Wire Probe Anemometers (TSI-8322-M-GB & Airflow TA-45)
Position of measurements	At various points within the system ductwork (as shown above).
Intended performance	10.0 + m/s within the ductwork
Hazardous substances controlled	Diphenylmethane / Diisocyanate Fumes

LEV PERFORMANCE TEST RESULTS

Site/Location	Area	LEV Ref.
Chillaire Limited Ref: Trelleborg Ltd, Holbrooks Lane, Coventry	Microvon Department	LEV 002

Performance test results

Test pt	Duct vel	Face vel	Intended performance met
TP1	25.6 m/s	N/a	Yes
TP2	29.0 m/s	N/a	Yes
TP3	10.1 m/s	N/a	Yes
TP4	16.26 m/s	N/a	N/a
TP5	19.76 m/s	N/a	Yes

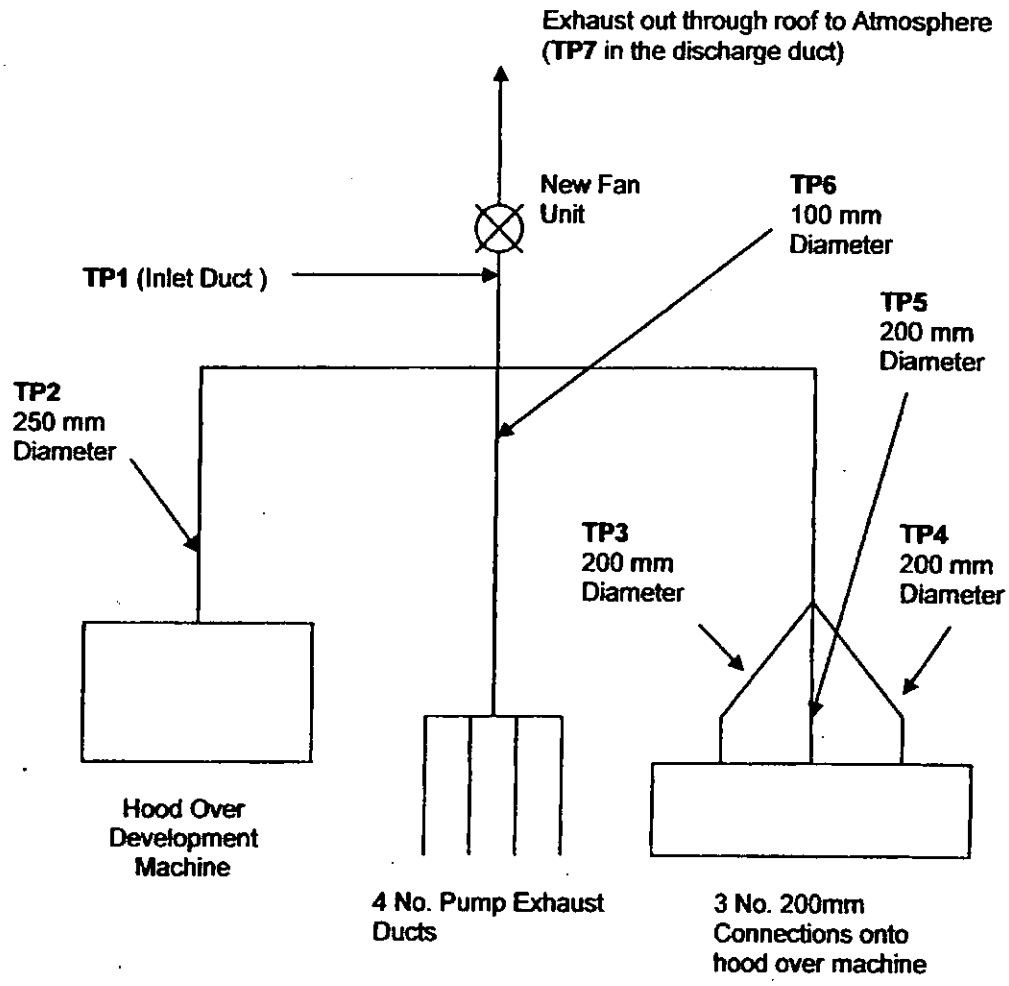
Plant conditions at time of test	Normal Operation, all points of extraction were fully open at the time of testing, therefore it is operating on maximum potential.
Visual inspection results	The system has been modified to incorporate the new fan unit, all ducting is in good condition and is sealed correctly
Comparison with previous test results	N/a – These figures are commissioning figures, however this is a vast improvement on the previous system.
Details of repairs carried out	New fan unit installed and ductwork modified to suit.
Details of further repairs required	None

Date of test	5th August 2005	**Tested by**
Date of last test	6th May 2005	Andrew Hearn (Encon Air Systems Limited) On behalf of Chillaire Limited
Next test due	August 2006	

LEV SYSTEM RECORD

Site/Location	Area	LEV Ref.
Chillaire Limited Ref: Trelleborg Ltd, Holbrooks Lane, Coventry	Microvon Department	LEV 003
System Description	**Manufacturer**	**Serial No.**
Ducted Fume Extraction System (Bifurcated Fan) serving the DESMA No.1 & Development Machine	Unknown	Unknown

System Schematic



Method of test	Rotating Vane & Hot Wire Probe Anemometers (TSI-8322-M-GB & Airflow TA-45)
Position of measurements	At various points within the system ductwork (as shown above).
Intended performance	10.0 + m/s within the ductwork
Hazardous substances controlled	Diphenylmethane / Diisocyanate Fumes

LEV PERFORMANCE TEST RESULTS

Site/Location	Area	LEV Ref.
Chillaire Limited Ref: Trelleborg Ltd, Holbrooks Lane, Coventry	Microvon Department	LEV 003

Performance test results

Test pt	Duct vel	Face vel	Intended performance met
TP1	16.3 m/s	N/a	Yes
TP2	30.6 m/s	N/a	Yes
TP3	30.0 + m/s	N/a	N/a
TP4	3.2 m/s	N/a	N/a
TP5	9.8 m/s	N/a	N/a
TP6	5.71 m/s	N/a	N/a
TP7	18.38 m/s	N/a	Yes (Fan Exhaust)

Average of TP3/TP4 & TP5 = 14.33 m/s – which does comply with current regulations.

Plant conditions at time of test	Normal Operation, all volume control dampers were fully open at the time of testing, therefore the system is running on maximum potential.
Visual inspection results	The system has been modified to incorporate the new fan unit, all ducting is in good condition and is sealed correctly.
Comparison with previous test results	N/a – These figures are commissioning figures, however this is a vast improvement on the previous system.
Details of repairs carried out	New fan unit installed and ductwork modified.
Details of further repairs required	None

Date of test	5th August 2005	**Tested by**
Date of last test	6th May 2005	Andrew Hearn (Encon Air Systems Limited) On behalf of Chillaire Limited
Next test due	August 2006	

SITE SPECIFIC PROTOCOL FOR THE PERIODIC MONITORING

OF

EMISSIONS TO AIR

at

TRELLEBORG AUTOMOTIVE UK LTD
MICROVON PROCESSES
HOLBROOK LANE
COVENTRY
WARWICKSHIRE
CV6 4QX

SITE CONTACT: JOHN DAVENPORT

TELEPHONE NUMBER: 02476 293314

FAX NUMBER: 02476 293387

E-MAIL: john.davenport@telleborg.com

PLANNED SAMPLING DATE(S): 24TH AUGUST 2005

SITE SPECIFIC PROTOCOL PREPARED BY: ANDY BARNES

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1 SAMPLING TEAM

The sampling team will be selected as appropriate from the following list, depending upon staff availability.

Name	MCERTS Registration No:	MCERTS Qualifications	Function
Andrew Barnes	MM 03235	Level 2, TE1, TE3 & TE4	[Team Leader/ Assistant]
Paul Calland	MM 03212	Level 2 & TE1	[Team Leader/ Assistant]
Jonathan Litterick	MM 03236	Level 2 & TE1	[Team Leader/ Assistant]

The team leader for the monitoring exercise will in all cases hold MCERTS Level 2 certification.

2 TYPE OF PROCESS AND DESCRIPTION OF SITE

The Microvon processes are used for the manufacture of microcellular polyurethane foam components.

The applicable process guidance note is PG6/29(2004) – Di-isocyanate Processes.

The processes are covered by Authorisation Reference 050, issued by Coventry City Council.

The operating hours are not known at the time of compiling this protocol, sampling is envisaged to be made during the hours 08:00 – 17:00.

3 IDENTITY OF THE STACKS TO BE SAMPLED AND PARAMETERS REQUIRED

The substances required for monitoring at each emission point are listed in the table below.

Substances to be monitored	Emission Point Identification		
	Microvon 1	Microvon 2	Microvon 3
Total VOC	√	√	√
Isocyanates	√	√	√
Special Requirements	N/A.		

4 UNUSUAL OCCURRENCES THAT MAY OCCUR IN THE PROCESS

None known.

5 PROCESS OR OPERATING DETAILS THAT NEED TO BE COLLECTED

Operating parameters need to be collected or made available by Trelleborg Automotive personnel over the test period if either the client or Local Authority requires any such information to be included in the report.

6 EMISSION LIMIT VALUES

The emission limit values for the stacks to be tested are detailed below.

Substances to be monitored	Emissions Limit Value (Including Units)	Expected Concentration (Including Units)	Required Averaging Period	Reference Conditions	Special Conditions
VOC	50 $mg.m^{-3}$	<50 $mg.m^{-3}$	30 minutes	NTP	n/a
Isocyanates	0.1 $mg.m^{-3}$	<0.1 $mg.m^{-3}$	2 hours*	NTP	*

* The authorisation requires that isocyanate results should be averaged over any 2-hour period whilst the plant is in operation. This may not be possible if plant does not run for 2 continuous hours and as such results may need to be expressed over shorter time periods.

7 MONITORING METHODS TO BE USED

7.1 Stack Velocity & Temperature Measurements

Stack velocity will be measured using a pitot tube, conforming to the design specifications of ISO 3966-1977, coupled to an electronic manometer.

Temperature measurements will be taken using a K-type thermocouple connected to an electronic thermometer.

Measurements will be made using OEH technical procedure AQSOP 200, which is designed to fulfil the requirements of ISO10780:1994.

7.2 Total Gaseous Organic Compounds by FID

Continuous extractive sampling for Total VOCs will be conducted using an Autofim, ambient (non heated line) Flame Ionisation Detector.

Measurements will be made using OEH technical procedure AQSOP 202, which is designed to fulfil the main requirements of BS EN 13526:2002. (However as the FID is not heated, the procedure as given in 7.3 below is required to provide a correction factor for the FID results).

Sampling duration is expected to be a minimum of 60 minutes per stack.

The proposed span gas concentration is 100ppm propane.

The measurement concentration range is up to 10,000 $mg.m^{-3}$.

The measurement limit of detection is 0.5 $mg.m^{-3}$.

7.3 Total Gaseous Organic Compounds by Sorbent Tube

Non-continuous extractive sampling for total VOCs will be carried out using charcoal adsorbent tubes connected to calibrated metered sampling pumps.

Measurements will be made using OEH technical procedure AQSOP 203, which is designed to fulfil the requirements of BS EN 13649:2002.

A total of 2 will be taken per stack, concurrent with the FID sample above. A blank sample will be taken for every ten samples.

Sampling duration will be 30 minutes per sample.

The sampling flowrate is expected to be in the region of 5 - 10 litres per hour.

The measurement concentration range is up to 1,000 $mg.m^{-3}$.

The measurement limit of detection is 0.5 $mg.m^{-3}$.

7.4 Isocyanates

Non-continuous extractive sampling for isocyanates will be carried out non-isokinetically, using 2-(1-methoxyphenyl) piperazine impingers connected to calibrated sampling pumps.

Measurements will be made using OEH technical procedure AQSOP 205, which is designed to fulfil the requirements of BS ISO 16702:2001.

A total of 2 will be taken per stack. A blank sample will be taken for every ten samples.

Sampling duration is expected to be a minimum of 60 minutes per sample.

The sampling flowrate is expected to be in the region of 1 - 2 litres per minute.

The measurement concentration range is up to 100 $mg.m^{-3}$.

The measurement limit of detection is 0.001 $mg.m^{-3}$.

8 ANY PROPOSED MODIFICATIONS TO THE ABOVE AQSOP

None

9 DESCRIPTION OF THE LOCATION OF THE SAMPLING PLANES

At the time of compiling this protocol, the sampling locations have not been assessed, descriptions will be included in the final report.

10 SUMMARY OF SEPARATE LABORATORY ANALYSIS

Isocyanate and Sorbent Tube analysis will be carried out by OEH internal laboratory.

Chain of custody sheets will be completed.

The samples are not time sensitive and will usually be analysed within 5 working days of completing the sampling.

Upon completion of analysis samples will be stored for a minimum of four years.

11 REPORT FORMAT

The report will conform to the requirements of Annex H of Environment Agency Manual Stack Emissions Monitoring Performance Standard for Organisations.

The report will be written by any of the people listed below, depending upon staff availability:

Name	MCERTS Registration No:	MCERTS Qualifications	Job Title
Andrew Barnes	MM 03235	Level 2, TE1, TE3 & TE4	Air Quality Divisional Manager
Paul Calland	MM 03212	Level 2 & TE1	Air Quality Senior Scientist
Jonathan Litterick	MM 03236	Level 2 & TE1	Air Quality Scientist

The report will be verified by either of the people listed below, depending upon staff availability. The report verifier will always be different to the report writer.

Name	MCERTS Registration No:	MCERTS Qualifications	Job Title
Andrew Barnes	MM 03235	Level 2, TE1, TE3 & TE4	Air Quality Divisional Manager
Paul Calland	MM 03212	Level 2 & TE1	Air Quality Senior Scientist

The report will be issued within three weeks of completing the site work.

MEASUREMENT OF ENVIRONMENTAL EMISSIONS

FROM

MANUFACTURE OF MICROCELLULAR POLYURETHANE FOAM

for

MR PHIL SHEPHERD
HEALTH & SAFETY CONSULTANCY
OAK TREE COTTAGE
NR EVESHAM
WORCESTERSHIRE
WR11 4TG

at

TRELLEBORG AUTOMOTIVE EUROPE
HOLBROOK LANE
COVENTRY
CV6 4QX

REPORT NO:	OEH/34279/STAK/SM183	**CLIENT REF:**	Mr Phil Shepherd
DATE OF VISIT:	24 August, 2005	**CONTACT ON SITE:**	Mr Phil Shepherd
DATE OF REPORT:	19 September, 2005	**DISK REFERENCE:**	N:\GenAdmin$\Divisional Reports\2005\Air Quality\Reports\Trelleborg\34279 Telleborg\OEH34279 CS F.doc

DATA PROTECTION ACT REGISTRATION NO: B0479 03 4

CONFIDENTIALITY UNDERTAKING

We undertake that we will not knowingly make use or disclose any confidential information or photographs relating to your business which may have come to our knowledge or attention as a result of our visit on site or otherwise as a result of the work carried out by us in connection with the preparation of this report. If you have any queries or comments regarding this report, please contact the Customer Services, OEH Group Limited Tel: 0121 359 5361.

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EXECUTIVE SUMMARY

Date Of Test &

Test Areas

Emissions sampling of volatile organic compounds and isocyanates from the stacks serving the three microvon units was conducted on 24th August 2005. The units are referenced as follows:

1. COV Ralph No.5 m/c
2. Desma m/c No.3
3. Desma m/c No.1 & Development m/c

Test Conditions

The processes were being operated under normal conditions throughout the sampling period.

Compliance

The emissions have been compared to the limits as set out in process authorisation 050, issued by Coventry City Council. All results were well below these limits.

Surveyed and Reported by:

[redacted]

Jonathan Litterick *BSc (Hons)*
Environmental Scientist

Verified by:

[redacted]

Andy Barnes *BSc (Hons)*
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.

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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 Process Authorisation, reference number 050, issued by Coventry City Council.

1.2 Terms of Reference

Mr Phil Shepherd, Health & Safety Consultancy, Oak Tree Cottage, Nr Evesham, Worcestershire, WR11 4TG has commissioned OEH Group Limited to carry out the work described in this report. Monitoring was undertaken at Trelleborg Automotive Europe, Holbrook Lane, Coventry, CV6 4QX. Monitoring was carried out on 24th August 2005, by Jonathan Litterick, at the request of Mr Phil Shepherd.

The work was carried out in accordance with OEH Proposal ref: SK-11580, dated 26th April 2005, and with the client's instructions.

OEH Group is accredited under ISO-9001(2000) for the provision of health, safety and environmental consultancy services. The work described in this report was carried out in accord with our ISO-9001(2000) 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 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 METHODS

2.1 Stack Sampling

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

2.1.2 Volatile Organic Compounds

Continuous extractive sampling for VOCs was conducted using a Research Engineers Flame Ionisation Detector. The instrument was calibrated on site using standard methane span gas traceable to an NPL standard. Results are expressed as methane equivalent values. The sampling protocol was in accordance with the main procedural requirements of BS EN 13526:2002. Continuous extractive sampling was backed up by periodic extractive sampling for VOCs using a calibrated pump connected to charcoal adsorption tubes. The method is based on, and intended to satisfy the main procedural requirements of BS EN 13649:2002. The results of this tube sampling were used to provide a correction factor for the FID sampling.

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2.1.3 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 BS ISO 16702.

2.2 Analysis

2.2.1 Techniques & Detection Limits

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

2.2.2 Accreditation

Service Category	ISO-9002	UKAS[1]
Consultancy	Yes	No
Analysis		
- 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); Lab Method LSOP 502.	Yes	No
[1]UKAS lab number 1821		
Stack sampling team is a member of the Source Testing Association		

3 PRESENTATION OF RESULTS

The following table gives summary details of the mean emission concentrations measured over the entire sampling periods for each stack.

Sampling Position	Mean Isocyanate Emission ($mg.m^{-3}$)	Mean VOC Emission ($mgC.m^{-3}$)
COV Ralph No.5 m/c	<0.001	3.4
Desma m/c No.3	<0.001	6.5
Desma m/c No.1 & Development m/c	<0.001	4.0

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

Appendix I lists in tabular form further details of the pitot traverses.

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

Detailed Isocyanate results tables are given in Appendix III.

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4 DISCUSSION

The processes are covered by the process authorisation Reference Number 050, issued by Coventry City Council, which specifies the following release limits

Parameter	Emissions Limit
Di-isocyanates (expressed as total NCO group)	0.1 $mg.m^{-3}$ (averaged over any 2hr period while the process is in operation)
Volatile Organic Compounds (as total carbon excluding total particulate matter)	50 $mg.m^{-3}$

4.1 Volatile Organic Compounds

All average VOC emissions were well below the emissions limit.

4.2 Di-isocyanates

Di-isocyanate emissions were less than the 0.001 $mg.m^{-3}$ analytical limit of detection, and therefore well below the 0.1 $mg.m^{-3}$ emissions limit.

5 SAMPLING LOCATIONS

The sampling locations used were all in straight sections of ductwork before the fans. In all cases the flow was found to be even across the duct at the sample planes, which means that the locations were acceptable.

6 APPENDICES

Appendix I: Detailed Flow Rate Results Tables

Appendix II: VOC Profiling Data

Appendix III: Detailed Isocyanate Results Tables

Appendix IV: Equipment Calibration Certificates

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APPENDIX I : DETAILED FLOW RATE RESULTS TABLES

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Plant Type	**Desma m/c No 3**	Stack Area (m^2)	0.102
Job Number	**OEH 34279**	Ambient Temp (C)	19
Client Name	**Trelleborg**	Stack Diameter (cm)	36
Date	**24th August 2005**	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	-626
		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)	*221*	*200*	*211*	*222*	*231*	*241*	*221*	*200*	*199*	*200*
Temperature (°C)	*21*	*21*	*21*	*21*	*21*	*21*	*21*	*21*	*21*	*21*
Duct Velocity (m/s)	19.2	18.3	18.8	19.2	19.6	20.0	19.2	18.3	18.2	18.3
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)	*191*	*200*	*214*	*211*	*209*	*210*	*231*	*222*	*201*	*200*
Temperature (°C)	*21*	*21*	*21*	*21*	*21*	*21*	*21*	*21*	*21*	*21*
Duct Velocity (m/s)	17.8	18.3	18.9	18.8	18.7	18.7	19.6	19.2	18.3	18.3

Absolute Mean Duct Velocity (m/s)	**18.8**
Absolute Flow Rate (m^3/hr)	**6884**
Normalised Flow Rate (Nm^3/hr)	**6353**

Plant Type	**Desma m/c No 1**	Stack Area (m²)	0.159
Job Number	**OEH 34279**	Ambient Temp (C)	19
Client Name	**Trelleborg**	Stack Diameter (cm)	45
Date	**24th August 2005**	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	-1700
		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)	*159*	*160*	*179*	*184*	*200*	*221*	*204*	*209*	*211*	*209*
Temperature (°C)	*21*	*21*	*21*	*21*	*21*	*21*	*21*	*21*	*21*	*21*
Duct Velocity (m/s)	16.3	16.3	17.3	17.5	18.3	19.2	18.4	18.7	18.8	18.7

Absolute Mean Duct Velocity (m/s)	**17.9**
Absolute Flow Rate (m³/hr)	**10275**
Normalised Flow Rate (Nm³/hr)	**9381**

Plant Type	**Cov Ralph m/c No 5**	Stack Area (m^2)	0.196
Job Number	**OEH 34279**	Ambient Temp (C)	18
Client Name	**Trelleborg**	Stack Diameter (cm)	50
Date	**24th August 2005**	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	-1600
		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)	*14*	*15*	*16*	*19*	*19*	*18*	*15*	*16*	*14*	*15*
Temperature (°C)	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*	*19*
Duct Velocity (m/s)	4.8	5.0	5.1	5.6	5.6	5.5	5.0	5.1	4.8	5.0

Absolute Mean Duct Velocity (m/s)	**5.2**
Absolute Flow Rate (m^3/hr)	**3645**
Normalised Flow Rate (Nm^3/hr)	**3354**

APPENDIX II : VOC PROFILING DATA

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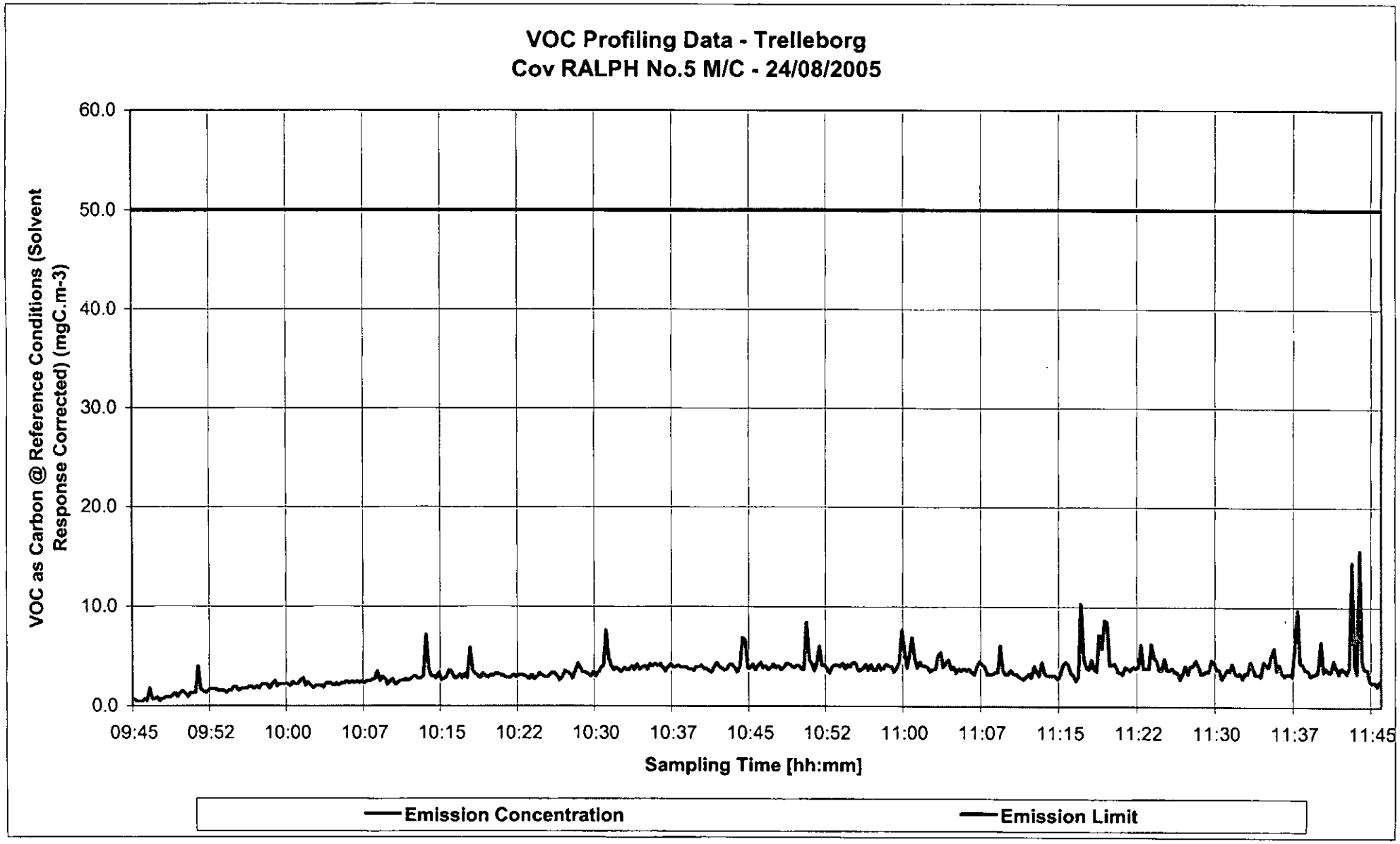

VOC Profiling Data - Trelleborg
Cov RALPH No.5 M/C - 24/08/2005
VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m-3)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
09:45
09:52
10:00
10:07
10:15
10:22
10:30
10:37
10:45
10:52
11:00
11:07
11:15
11:22
11:30
11:37
11:45
Sampling Time [hh:mm]
Emission Concentration
Emission Limit

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**COV RALPH No 5 M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**AB0121/2**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
9:45:00	0.1	19	0.6
9:45:15	0.1	19	0.4
9:45:30	0.1	19	0.4
9:45:45	0.1	19	0.4
9:46:00	0.1	19	0.7
9:46:15	0.1	19	0.5
9:46:30	0.4	19	1.8
9:46:45	0.1	19	0.7
9:47:00	0.1	19	0.7
9:47:15	0.2	19	0.9
9:47:30	0.1	19	0.5
9:47:45	0.1	19	0.7
9:48:00	0.2	19	0.9
9:48:15	0.2	19	0.9
9:48:30	0.2	19	0.9
9:48:45	0.2	19	1.1
9:49:00	0.3	19	1.3
9:49:15	0.2	19	0.9
9:49:30	0.3	19	1.3
9:49:45	0.3	19	1.5
9:50:00	0.3	19	1.3
9:50:15	0.2	19	0.9
9:50:30	0.3	19	1.3
9:50:45	0.3	19	1.3
9:51:00	0.3	19	1.3
9:51:15	0.8	19	3.9
9:51:30	0.3	19	1.7
9:51:45	0.3	19	1.5
9:52:00	0.3	19	1.3
9:52:15	0.3	19	1.5
9:52:30	0.3	19	1.7
9:52:45	0.3	19	1.7
9:53:00	0.3	19	1.7
9:53:15	0.3	19	1.5
9:53:30	0.3	19	1.5
9:53:45	0.3	19	1.5
9:54:00	0.3	19	1.3
9:54:15	0.3	19	1.5

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**COV RALPH No 5 M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**AB0121/2**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
9:54:30	0.3	19	1.5
9:54:45	0.4	19	1.9
9:55:00	0.4	19	1.9
9:55:15	0.3	19	1.5
9:55:30	0.4	19	1.7
9:55:45	0.4	19	1.7
9:56:00	0.4	19	1.7
9:56:15	0.4	19	1.9
9:56:30	0.4	19	1.9
9:56:45	0.4	19	1.7
9:57:00	0.4	19	1.9
9:57:15	0.4	19	1.8
9:57:30	0.4	19	2.1
9:57:45	0.4	19	2.1
9:58:00	0.4	19	2.2
9:58:15	0.4	19	1.8
9:58:30	0.4	19	2.2
9:58:45	0.5	19	2.5
9:59:00	0.4	19	2.0
9:59:15	0.4	19	2.2
9:59:30	0.4	19	2.2
9:59:45	0.4	19	2.2
10:00:00	0.4	19	2.2
10:00:15	0.4	19	2.0
10:00:30	0.5	19	2.4
10:00:45	0.4	19	2.2
10:01:00	0.4	19	2.2
10:01:15	0.5	19	2.6
10:01:30	0.6	19	2.8
10:01:45	0.4	19	2.0
10:02:00	0.5	19	2.4
10:02:15	0.4	19	2.0
10:02:30	0.4	19	1.8
10:02:45	0.4	19	2.0
10:03:00	0.4	19	2.0
10:03:15	0.4	19	2.0
10:03:30	0.4	19	1.8
10:03:45	0.5	19	2.2

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**COV RALPH No 5 M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**AB0121/2**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:04:00	0.5	19	2.2
10:04:15	0.5	19	2.2
10:04:30	0.4	19	2.0
10:04:45	0.5	19	2.3
10:05:00	0.4	19	2.0
10:05:15	0.5	19	2.3
10:05:30	0.5	19	2.3
10:05:45	0.5	19	2.4
10:06:00	0.5	19	2.3
10:06:15	0.5	19	2.5
10:06:30	0.5	19	2.3
10:06:45	0.5	19	2.5
10:07:00	0.5	19	2.3
10:07:15	0.5	19	2.5
10:07:30	0.5	19	2.3
10:07:45	0.5	19	2.5
10:08:00	0.5	19	2.5
10:08:15	0.5	19	2.7
10:08:30	0.5	19	2.7
10:08:45	0.7	19	3.5
10:09:00	0.5	19	2.5
10:09:15	0.6	19	2.9
10:09:30	0.5	19	2.7
10:09:45	0.4	19	2.1
10:10:00	0.5	19	2.5
10:10:15	0.6	19	2.7
10:10:30	0.4	19	2.1
10:10:45	0.5	19	2.3
10:11:00	0.5	19	2.5
10:11:15	0.5	19	2.5
10:11:30	0.6	19	2.7
10:11:45	0.5	19	2.5
10:12:00	0.6	19	2.7
10:12:15	0.6	19	2.9
10:12:30	0.6	19	2.9
10:12:45	0.6	19	2.7
10:13:00	0.6	19	2.7
10:13:15	0.6	19	2.9

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**COV RALPH No 5 M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**AB0121/2**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:13:30	1.4	19	7.1
10:13:45	0.8	19	3.7
10:14:00	0.6	19	3.0
10:14:15	0.6	19	3.0
10:14:30	0.6	19	2.8
10:14:45	0.7	19	3.3
10:15:00	0.5	19	2.6
10:15:15	0.6	19	2.8
10:15:30	0.6	19	3.0
10:15:45	0.7	19	3.6
10:16:00	0.7	19	3.3
10:16:15	0.6	19	2.8
10:16:30	0.6	19	2.8
10:16:45	0.6	19	3.2
10:17:00	0.6	19	2.8
10:17:15	0.7	19	3.2
10:17:30	0.6	19	2.8
10:17:45	1.2	19	5.8
10:18:00	0.7	19	3.6
10:18:15	0.7	19	3.2
10:18:30	0.6	19	3.0
10:18:45	0.6	19	2.8
10:19:00	0.7	19	3.2
10:19:15	0.6	19	3.0
10:19:30	0.6	19	2.8
10:19:45	0.6	19	3.0
10:20:00	0.6	19	3.0
10:20:15	0.7	19	3.2
10:20:30	0.7	19	3.2
10:20:45	0.6	19	3.1
10:21:00	0.6	19	3.1
10:21:15	0.6	19	2.9
10:21:30	0.6	19	2.9
10:21:45	0.6	19	2.9
10:22:00	0.6	19	3.1
10:22:15	0.6	19	2.9
10:22:30	0.6	19	3.1
10:22:45	0.6	19	3.1

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**COV RALPH No 5 M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**AB0121/2**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:23:00	0.6	19	3.1
10:23:15	0.6	19	2.9
10:23:30	0.6	19	2.7
10:23:45	0.6	19	3.1
10:24:00	0.6	19	2.7
10:24:15	0.6	19	2.9
10:24:30	0.7	19	3.3
10:24:45	0.6	19	3.1
10:25:00	0.6	19	2.9
10:25:15	0.6	19	2.9
10:25:30	0.6	19	3.1
10:25:45	0.7	19	3.3
10:26:00	0.7	19	3.3
10:26:15	0.6	19	2.9
10:26:30	0.5	19	2.6
10:26:45	0.6	19	2.9
10:27:00	0.7	19	3.5
10:27:15	0.7	19	3.3
10:27:30	0.6	19	3.2
10:27:45	0.6	19	2.8
10:28:00	0.7	19	3.5
10:28:15	0.9	19	4.3
10:28:30	0.8	19	3.7
10:28:45	0.7	19	3.4
10:29:00	0.7	19	3.4
10:29:15	0.7	19	3.2
10:29:30	0.6	19	3.0
10:29:45	0.7	19	3.4
10:30:00	0.6	19	3.0
10:30:15	0.7	19	3.4
10:30:30	0.8	19	3.8
10:30:45	0.8	19	4.1
10:31:00	1.5	19	7.6
10:31:15	1.0	19	4.7
10:31:30	0.8	19	4.0
10:31:45	0.7	19	3.6
10:32:00	0.8	19	3.8
10:32:15	0.7	19	3.6

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: COV RALPH No 5 M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: AB0121/2
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:32:30	0.7	19	3.4
10:32:45	0.8	19	3.8
10:33:00	0.7	19	3.6
10:33:15	0.7	19	3.6
10:33:30	0.8	19	4.0
10:33:45	0.7	19	3.6
10:34:00	0.9	19	4.2
10:34:15	0.7	19	3.6
10:34:30	0.8	19	3.8
10:34:45	0.8	19	4.0
10:35:00	0.7	19	3.6
10:35:15	0.9	19	4.2
10:35:30	0.8	19	4.0
10:35:45	0.9	19	4.2
10:36:00	0.8	19	4.0
10:36:15	0.9	19	4.2
10:36:30	0.8	19	3.9
10:36:45	0.7	19	3.5
10:37:00	0.8	19	3.9
10:37:15	0.9	19	4.2
10:37:30	0.8	19	3.9
10:37:45	0.8	19	3.9
10:38:00	0.8	19	4.1
10:38:15	0.8	19	3.9
10:38:30	0.8	19	3.9
10:38:45	0.8	19	3.9
10:39:00	0.8	19	3.7
10:39:15	0.8	19	3.7
10:39:30	0.7	19	3.5
10:39:45	0.8	19	3.9
10:40:00	0.8	19	3.9
10:40:15	0.8	19	4.1
10:40:30	0.8	19	3.7
10:40:45	0.8	19	3.7
10:41:00	0.7	19	3.5
10:41:15	0.7	19	3.4
10:41:30	0.8	19	3.9
10:41:45	0.9	19	4.3

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**COV RALPH No 5 M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**AB0121/2**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:42:00	0.8	19	3.9
10:42:15	0.8	19	3.7
10:42:30	0.7	19	3.6
10:42:45	0.8	19	3.7
10:43:00	0.8	19	4.1
10:43:15	0.8	19	4.1
10:43:30	0.8	19	3.8
10:43:45	0.7	19	3.4
10:44:00	0.8	19	4.0
10:44:15	1.4	19	6.8
10:44:30	1.4	19	6.6
10:44:45	0.8	19	3.8
10:45:00	0.8	19	3.8
10:45:15	0.9	19	4.2
10:45:30	0.7	19	3.6
10:45:45	0.8	19	4.0
10:46:00	0.9	19	4.4
10:46:15	0.8	19	3.8
10:46:30	0.8	19	4.0
10:46:45	0.7	19	3.6
10:47:00	0.8	19	3.8
10:47:15	0.9	19	4.2
10:47:30	0.8	19	3.8
10:47:45	0.8	19	4.0
10:48:00	0.7	19	3.6
10:48:15	0.8	19	3.8
10:48:30	0.9	19	4.2
10:48:45	0.9	19	4.2
10:49:00	0.8	19	4.0
10:49:15	0.8	19	3.8
10:49:30	0.8	19	4.0
10:49:45	0.8	19	4.1
10:50:00	0.7	19	3.7
10:50:15	0.8	19	3.7
10:50:30	1.7	19	8.4
10:50:45	0.9	19	4.6
10:51:00	0.9	19	4.3
10:51:15	0.7	19	3.5

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: COV RALPH No 5 M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: AB0121/2
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
10:51:30	0.9	19	4.3
10:51:45	1.2	19	6.0
10:52:00	0.8	19	4.1
10:52:15	0.8	19	4.1
10:52:30	0.8	19	3.7
10:52:45	0.7	19	3.3
10:53:00	0.8	19	3.9
10:53:15	0.8	19	4.1
10:53:30	0.8	19	4.1
10:53:45	0.8	19	3.9
10:54:00	0.9	19	4.3
10:54:15	0.8	19	3.7
10:54:30	0.8	19	4.1
10:54:45	0.8	19	3.9
10:55:00	0.9	19	4.3
10:55:15	0.9	19	4.3
10:55:30	0.7	19	3.6
10:55:45	0.7	19	3.6
10:56:00	0.8	19	3.8
10:56:15	0.8	19	4.1
10:56:30	0.7	19	3.6
10:56:45	0.8	19	4.2
10:57:00	0.7	19	3.6
10:57:15	0.7	19	3.6
10:57:30	0.9	19	4.2
10:57:45	0.7	19	3.6
10:58:00	0.8	19	3.8
10:58:15	0.9	19	4.2
10:58:30	0.8	19	4.0
10:58:45	0.8	19	4.0
10:59:00	0.7	19	3.4
10:59:15	0.8	19	3.8
10:59:30	0.9	19	4.4
10:59:45	1.6	19	7.6
11:00:00	1.1	19	5.5
11:00:15	0.8	19	3.8
11:00:30	1.1	19	5.1
11:00:45	1.4	19	6.9

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**COV RALPH No 5 M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**AB0121/2**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
11:01:00	1.0	19	4.8
11:01:15	0.8	19	3.8
11:01:30	0.9	19	4.4
11:01:45	0.8	19	4.0
11:02:00	0.8	19	4.0
11:02:15	0.8	19	3.8
11:02:30	0.7	19	3.5
11:02:45	0.8	19	3.7
11:03:00	0.8	19	3.7
11:03:15	1.0	19	5.0
11:03:30	1.1	19	5.4
11:03:45	0.8	19	3.9
11:04:00	0.9	19	4.3
11:04:15	0.9	19	4.6
11:04:30	0.8	19	3.7
11:04:45	0.8	19	3.9
11:05:00	0.7	19	3.3
11:05:15	0.8	19	3.7
11:05:30	0.7	19	3.5
11:05:45	0.8	19	3.7
11:06:00	0.7	19	3.5
11:06:15	0.8	19	3.7
11:06:30	0.7	19	3.3
11:06:45	0.6	19	3.2
11:07:00	0.8	19	3.9
11:07:15	0.9	19	4.5
11:07:30	0.8	19	4.1
11:07:45	0.8	19	3.9
11:08:00	0.7	19	3.2
11:08:15	0.7	19	3.2
11:08:30	0.7	19	3.2
11:08:45	0.7	19	3.4
11:09:00	0.7	19	3.4
11:09:15	1.2	19	6.0
11:09:30	0.7	19	3.6
11:09:45	0.7	19	3.2
11:10:00	0.7	19	3.2
11:10:15	0.7	19	3.6

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**COV RALPH No 5 M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**AB0121/2**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
11:10:30	0.7	19	3.2
11:10:45	0.7	19	3.2
11:11:00	0.6	19	3.0
11:11:15	0.6	19	2.8
11:11:30	0.5	19	2.7
11:11:45	0.6	19	3.0
11:12:00	0.7	19	3.2
11:12:15	0.6	19	2.9
11:12:30	0.8	19	4.0
11:12:45	0.7	19	3.4
11:13:00	0.6	19	3.0
11:13:15	0.9	19	4.4
11:13:30	0.7	19	3.3
11:13:45	0.6	19	3.1
11:14:00	0.6	19	3.1
11:14:15	0.6	19	3.1
11:14:30	0.6	19	3.1
11:14:45	0.6	19	2.7
11:15:00	0.6	19	3.1
11:15:15	0.8	19	4.0
11:15:30	0.9	19	4.4
11:15:45	0.9	19	4.2
11:16:00	0.7	19	3.3
11:16:15	0.6	19	3.1
11:16:30	0.5	19	2.6
11:16:45	0.6	19	2.9
11:17:00	2.1	19	10.3
11:17:15	1.0	19	4.8
11:17:30	0.8	19	3.9
11:17:45	0.8	19	3.7
11:18:00	1.0	19	4.6
11:18:15	0.8	19	3.7
11:18:30	0.7	19	3.5
11:18:45	1.5	19	7.1
11:19:00	1.2	19	5.8
11:19:15	1.8	19	8.6
11:19:30	1.7	19	8.4
11:19:45	0.8	19	4.1

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**COV RALPH No 5 M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**AB0121/2**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
11:20:00	0.8	19	4.1
11:20:15	0.9	19	4.3
11:20:30	0.7	19	3.5
11:20:45	0.7	19	3.4
11:21:00	0.6	19	3.2
11:21:15	0.8	19	3.9
11:21:30	0.8	19	3.7
11:21:45	0.7	19	3.6
11:22:00	0.8	19	4.0
11:22:15	0.8	19	3.8
11:22:30	0.8	19	4.0
11:22:45	1.3	19	6.2
11:23:00	0.8	19	3.8
11:23:15	0.8	19	3.8
11:23:30	0.8	19	3.8
11:23:45	1.3	19	6.2
11:24:00	1.0	19	4.9
11:24:15	0.9	19	4.6
11:24:30	0.7	19	3.6
11:24:45	0.7	19	3.6
11:25:00	1.0	19	4.8
11:25:15	0.7	19	3.6
11:25:30	0.7	19	3.6
11:25:45	0.8	19	3.8
11:26:00	0.7	19	3.4
11:26:15	0.7	19	3.4
11:26:30	0.6	19	2.7
11:26:45	0.7	19	3.2
11:27:00	0.8	19	4.0
11:27:15	0.7	19	3.3
11:27:30	0.8	19	4.0
11:27:45	0.8	19	4.0
11:28:00	0.9	19	4.6
11:28:15	0.8	19	4.0
11:28:30	0.7	19	3.3
11:28:45	0.7	19	3.3
11:29:00	0.7	19	3.5
11:29:15	0.7	19	3.5

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: COV RALPH No 5 M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: AB0121/2
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
11:29:30	0.9	19	4.6
11:29:45	0.9	19	4.4
11:30:00	0.8	19	3.7
11:30:15	0.8	19	3.7
11:30:30	0.6	19	2.8
11:30:45	0.6	19	3.1
11:31:00	0.8	19	3.7
11:31:15	0.7	19	3.5
11:31:30	0.9	19	4.3
11:31:45	0.7	19	3.3
11:32:00	0.6	19	3.1
11:32:15	0.7	19	3.3
11:32:30	0.6	19	2.8
11:32:45	0.7	19	3.3
11:33:00	0.7	19	3.3
11:33:15	0.9	19	4.5
11:33:30	0.8	19	3.7
11:33:45	0.6	19	3.2
11:34:00	0.6	19	3.2
11:34:15	0.6	19	3.0
11:34:30	0.9	19	4.5
11:34:45	0.8	19	4.1
11:35:00	0.8	19	3.9
11:35:15	1.0	19	5.1
11:35:30	1.2	19	5.8
11:35:45	0.7	19	3.6
11:36:00	0.9	19	4.2
11:36:15	0.7	19	3.4
11:36:30	0.6	19	3.0
11:36:45	0.7	19	3.2
11:37:00	0.7	19	3.2
11:37:15	0.6	19	3.0
11:37:30	1.2	19	6.1
11:37:45	2.0	19	9.6
11:38:00	0.9	19	4.4
11:38:15	0.9	19	4.2
11:38:30	0.7	19	3.6
11:38:45	0.7	19	3.6

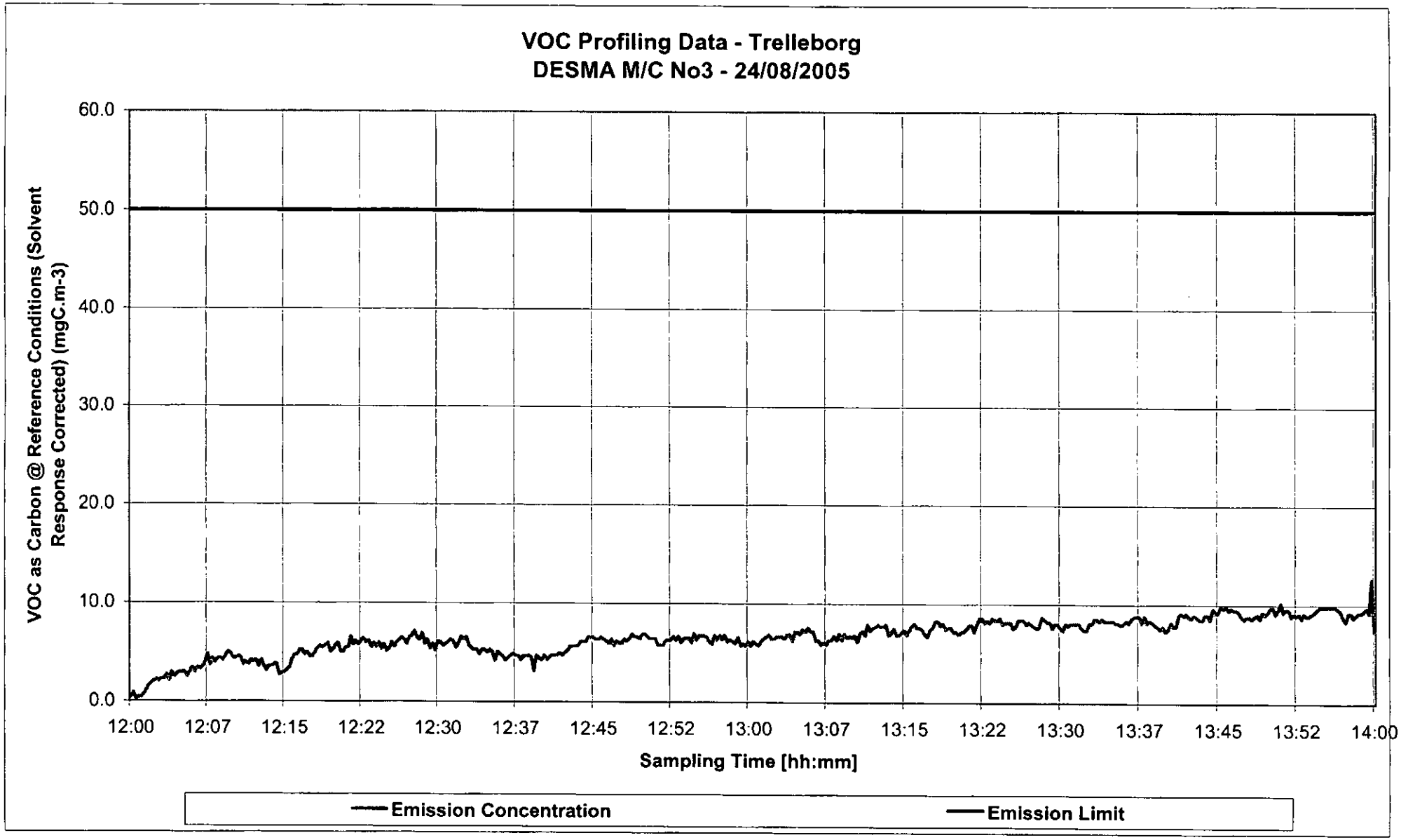
VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**COV RALPH No 5 M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**AB0121/2**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
11:39:00	0.6	19	3.1
11:39:15	0.7	19	3.3
11:39:30	0.7	19	3.3
11:39:45	0.7	19	3.4
11:40:00	1.3	19	6.5
11:40:15	0.7	19	3.4
11:40:30	0.8	19	3.8
11:40:45	0.7	19	3.5
11:41:00	0.7	19	3.5
11:41:15	0.9	19	4.6
11:41:30	0.8	19	3.9
11:41:45	0.7	19	3.3
11:42:00	0.8	19	3.9
11:42:15	0.8	19	3.7
11:42:30	0.7	19	3.3
11:42:45	0.8	19	3.9
11:43:00	3.0	19	14.5
11:43:15	0.9	19	4.3
11:43:30	0.7	19	3.3
11:43:45	3.2	19	15.6
11:44:00	0.9	19	4.5
11:44:15	0.8	19	3.7
11:44:30	0.8	19	3.7
11:44:45	0.5	19	2.6
11:45:00	0.5	19	2.4
11:45:15	0.5	19	2.4
11:45:30	0.4	19	2.0
11:45:45	0.5	19	2.6
Average	**0.7**		**3.4**


VOC Profiling Data - Trelleborg
DESMA M/C No3 - 24/08/2005
VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m-3)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
12:00
12:07
12:15
12:22
12:30
12:37
12:45
12:52
13:00
13:07
13:15
13:22
13:30
13:37
13:45
13:52
14:00
Sampling Time [hh:mm]
Emission Concentration
Emission Limit

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:00:00	0.1	21	0.4
12:00:15	0.2	21	0.9
12:00:30	0.0	21	0.2
12:00:45	0.1	21	0.4
12:01:00	0.1	21	0.4
12:01:15	0.1	21	0.6
12:01:30	0.2	21	1.1
12:01:45	0.3	21	1.5
12:02:00	0.3	21	1.8
12:02:15	0.3	21	2.0
12:02:30	0.4	21	2.2
12:02:45	0.3	21	2.0
12:03:00	0.4	21	2.2
12:03:15	0.4	21	2.2
12:03:30	0.5	21	2.7
12:03:45	0.4	21	2.0
12:04:00	0.5	21	2.9
12:04:15	0.4	21	2.5
12:04:30	0.5	21	2.7
12:04:45	0.5	21	2.9
12:05:00	0.5	21	2.9
12:05:15	0.5	21	2.9
12:05:30	0.4	21	2.5
12:05:45	0.5	21	2.9
12:06:00	0.6	21	3.4
12:06:15	0.5	21	3.0
12:06:30	0.6	21	3.4
12:06:45	0.6	21	3.2
12:07:00	0.6	21	3.4
12:07:15	0.7	21	3.9
12:07:30	0.8	21	4.8
12:07:45	0.6	21	3.7
12:08:00	0.8	21	4.3
12:08:15	0.7	21	3.9
12:08:30	0.8	21	4.3
12:08:45	0.8	21	4.3
12:09:00	0.7	21	4.1

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:09:15	0.8	21	4.6
12:09:30	0.9	21	5.0
12:09:45	0.8	21	4.8
12:10:00	0.8	21	4.4
12:10:15	0.8	21	4.4
12:10:30	0.8	21	4.6
12:10:45	0.8	21	4.4
12:11:00	0.6	21	3.7
12:11:15	0.7	21	4.0
12:11:30	0.6	21	3.7
12:11:45	0.7	21	4.2
12:12:00	0.7	21	4.0
12:12:15	0.7	21	4.2
12:12:30	0.6	21	3.5
12:12:45	0.7	21	4.2
12:13:00	0.6	21	3.5
12:13:15	0.5	21	3.1
12:13:30	0.6	21	3.5
12:13:45	0.6	21	3.5
12:14:00	0.7	21	3.8
12:14:15	0.7	21	3.8
12:14:30	0.5	21	2.7
12:14:45	0.5	21	2.9
12:15:00	0.5	21	2.9
12:15:15	0.5	21	3.1
12:15:30	0.6	21	3.4
12:15:45	0.7	21	4.3
12:16:00	0.8	21	4.7
12:16:15	0.8	21	4.7
12:16:30	0.9	21	5.1
12:16:45	0.9	21	5.2
12:17:00	0.8	21	4.7
12:17:15	0.9	21	4.9
12:17:30	0.8	21	4.5
12:17:45	0.8	21	4.5
12:18:00	0.9	21	5.0
12:18:15	0.9	21	5.4

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:18:30	1.0	21	5.6
12:18:45	0.9	21	5.4
12:19:00	1.0	21	5.7
12:19:15	1.0	21	5.9
12:19:30	0.9	21	5.0
12:19:45	0.9	21	5.2
12:20:00	1.0	21	5.7
12:20:15	1.0	21	5.9
12:20:30	0.9	21	5.0
12:20:45	0.9	21	5.0
12:21:00	0.9	21	5.4
12:21:15	0.9	21	5.4
12:21:30	1.1	21	6.6
12:21:45	1.0	21	5.7
12:22:00	1.1	21	6.1
12:22:15	1.0	21	5.7
12:22:30	1.1	21	6.1
12:22:45	1.1	21	6.4
12:23:00	1.0	21	5.9
12:23:15	1.1	21	6.2
12:23:30	1.0	21	5.5
12:23:45	1.0	21	5.9
12:24:00	1.0	21	5.5
12:24:15	1.0	21	6.0
12:24:30	0.9	21	5.3
12:24:45	1.0	21	5.8
12:25:00	0.9	21	5.1
12:25:15	0.9	21	5.3
12:25:30	1.0	21	6.0
12:25:45	1.0	21	5.5
12:26:00	1.0	21	6.0
12:26:15	1.1	21	6.2
12:26:30	1.1	21	6.5
12:26:45	1.1	21	6.2
12:27:00	1.0	21	5.8
12:27:15	1.1	21	6.5
12:27:30	1.2	21	6.7

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:27:45	1.2	21	7.1
12:28:00	1.1	21	6.5
12:28:15	1.1	21	6.2
12:28:30	1.2	21	6.9
12:28:45	1.0	21	5.8
12:29:00	1.1	21	6.2
12:29:15	0.9	21	5.4
12:29:30	1.0	21	5.8
12:29:45	0.9	21	5.2
12:30:00	1.0	21	6.1
12:30:15	1.1	21	6.1
12:30:30	1.0	21	5.6
12:30:45	1.0	21	5.9
12:31:00	1.1	21	6.1
12:31:15	1.1	21	6.3
12:31:30	1.1	21	6.1
12:31:45	0.9	21	5.4
12:32:00	1.0	21	5.9
12:32:15	1.1	21	6.6
12:32:30	1.1	21	6.3
12:32:45	1.1	21	6.6
12:33:00	1.0	21	5.6
12:33:15	0.9	21	5.4
12:33:30	0.9	21	5.2
12:33:45	0.9	21	5.2
12:34:00	0.8	21	4.8
12:34:15	0.9	21	5.2
12:34:30	0.9	21	5.2
12:34:45	0.9	21	5.0
12:35:00	0.9	21	5.3
12:35:15	0.9	21	5.0
12:35:30	0.7	21	4.1
12:35:45	0.9	21	5.0
12:36:00	0.8	21	4.8
12:36:15	0.8	21	4.6
12:36:30	0.7	21	4.2
12:36:45	0.8	21	4.4

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:37:00	0.8	21	4.6
12:37:15	0.8	21	4.8
12:37:30	0.8	21	4.6
12:37:45	0.8	21	4.6
12:38:00	0.7	21	4.2
12:38:15	0.8	21	4.6
12:38:30	0.8	21	4.6
12:38:45	0.8	21	4.7
12:39:00	0.8	21	4.4
12:39:15	0.5	21	3.1
12:39:30	0.8	21	4.7
12:39:45	0.8	21	4.5
12:40:00	0.7	21	4.2
12:40:15	0.8	21	4.7
12:40:30	0.7	21	4.2
12:40:45	0.8	21	4.5
12:41:00	0.8	21	4.7
12:41:15	0.8	21	4.7
12:41:30	0.8	21	4.7
12:41:45	0.9	21	4.9
12:42:00	0.8	21	4.7
12:42:15	0.9	21	4.9
12:42:30	0.9	21	5.1
12:42:45	1.0	21	5.6
12:43:00	1.0	21	5.6
12:43:15	1.0	21	5.6
12:43:30	1.0	21	5.6
12:43:45	1.1	21	6.1
12:44:00	1.1	21	6.1
12:44:15	1.1	21	6.1
12:44:30	1.1	21	6.5
12:44:45	1.1	21	6.5
12:45:00	1.1	21	6.5
12:45:15	1.1	21	6.3
12:45:30	1.1	21	6.3
12:45:45	1.1	21	6.5
12:46:00	1.1	21	6.3

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:46:15	1.1	21	6.1
12:46:30	1.0	21	5.9
12:46:45	1.1	21	6.3
12:47:00	1.0	21	5.7
12:47:15	1.1	21	6.1
12:47:30	1.0	21	5.9
12:47:45	1.0	21	5.9
12:48:00	1.1	21	6.4
12:48:15	1.1	21	6.2
12:48:30	1.1	21	6.4
12:48:45	1.2	21	6.8
12:49:00	1.1	21	6.6
12:49:15	1.1	21	6.6
12:49:30	1.1	21	6.4
12:49:45	1.2	21	6.9
12:50:00	1.2	21	6.9
12:50:15	1.1	21	6.6
12:50:30	1.1	21	6.4
12:50:45	1.1	21	6.4
12:51:00	1.1	21	6.4
12:51:15	1.0	21	5.8
12:51:30	1.0	21	5.8
12:51:45	1.0	21	5.8
12:52:00	1.1	21	6.2
12:52:15	1.1	21	6.2
12:52:30	1.1	21	6.2
12:52:45	1.2	21	6.7
12:53:00	1.1	21	6.2
12:53:15	1.2	21	6.7
12:53:30	1.0	21	6.0
12:53:45	1.1	21	6.5
12:54:00	1.1	21	6.5
12:54:15	1.1	21	6.5
12:54:30	1.0	21	6.0
12:54:45	1.2	21	6.9
12:55:00	1.1	21	6.3
12:55:15	1.2	21	6.7

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
12:55:30	1.2	21	6.7
12:55:45	1.2	21	6.7
12:56:00	1.1	21	6.5
12:56:15	1.0	21	6.1
12:56:30	1.0	21	5.8
12:56:45	1.2	21	6.7
12:57:00	1.1	21	6.3
12:57:15	1.2	21	6.7
12:57:30	1.1	21	6.3
12:57:45	1.2	21	6.7
12:58:00	1.1	21	6.1
12:58:15	1.1	21	6.3
12:58:30	1.1	21	6.1
12:58:45	1.0	21	5.9
12:59:00	1.1	21	6.6
12:59:15	1.0	21	5.7
12:59:30	1.0	21	5.9
12:59:45	1.0	21	5.7
13:00:00	1.1	21	6.1
13:00:15	1.0	21	5.7
13:00:30	1.1	21	6.1
13:00:45	1.0	21	5.9
13:01:00	1.0	21	5.7
13:01:15	1.1	21	6.1
13:01:30	1.1	21	6.4
13:01:45	1.1	21	6.6
13:02:00	1.2	21	6.8
13:02:15	1.1	21	6.4
13:02:30	1.1	21	6.4
13:02:45	1.1	21	6.6
13:03:00	1.1	21	6.6
13:03:15	1.1	21	6.6
13:03:30	1.1	21	6.4
13:03:45	1.2	21	6.9
13:04:00	1.2	21	6.9
13:04:15	1.1	21	6.2
13:04:30	1.2	21	7.1

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:04:45	1.2	21	7.1
13:05:00	1.2	21	6.9
13:05:15	1.3	21	7.3
13:05:30	1.2	21	7.1
13:05:45	1.3	21	7.6
13:06:00	1.2	21	7.1
13:06:15	1.2	21	7.1
13:06:30	1.1	21	6.2
13:06:45	1.1	21	6.2
13:07:00	1.0	21	5.8
13:07:15	1.0	21	6.0
13:07:30	1.0	21	5.8
13:07:45	1.1	21	6.2
13:08:00	1.1	21	6.3
13:08:15	1.2	21	6.7
13:08:30	1.1	21	6.3
13:08:45	1.2	21	6.9
13:09:00	1.1	21	6.3
13:09:15	1.2	21	6.9
13:09:30	1.1	21	6.5
13:09:45	1.2	21	6.7
13:10:00	1.1	21	6.5
13:10:15	1.2	21	6.8
13:10:30	1.1	21	6.1
13:10:45	1.2	21	7.0
13:11:00	1.3	21	7.2
13:11:15	1.2	21	6.8
13:11:30	1.4	21	7.9
13:11:45	1.3	21	7.2
13:12:00	1.3	21	7.5
13:12:15	1.3	21	7.7
13:12:30	1.4	21	7.9
13:12:45	1.3	21	7.7
13:13:00	1.3	21	7.7
13:13:15	1.4	21	7.9
13:13:30	1.2	21	6.8
13:13:45	1.2	21	7.0

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:14:00	1.3	21	7.5
13:14:15	1.2	21	6.8
13:14:30	1.2	21	6.8
13:14:45	1.2	21	7.0
13:15:00	1.3	21	7.3
13:15:15	1.2	21	6.8
13:15:30	1.3	21	7.3
13:15:45	1.3	21	7.7
13:16:00	1.4	21	7.9
13:16:15	1.3	21	7.5
13:16:30	1.3	21	7.5
13:16:45	1.3	21	7.3
13:17:00	1.2	21	6.9
13:17:15	1.2	21	6.7
13:17:30	1.3	21	7.3
13:17:45	1.3	21	7.6
13:18:00	1.4	21	8.2
13:18:15	1.4	21	8.2
13:18:30	1.3	21	7.8
13:18:45	1.4	21	8.0
13:19:00	1.3	21	7.4
13:19:15	1.3	21	7.6
13:19:30	1.3	21	7.6
13:19:45	1.2	21	7.1
13:20:00	1.2	21	7.1
13:20:15	1.2	21	6.9
13:20:30	1.2	21	7.1
13:20:45	1.2	21	7.1
13:21:00	1.3	21	7.4
13:21:15	1.4	21	7.8
13:21:30	1.4	21	7.8
13:21:45	1.2	21	7.2
13:22:00	1.4	21	7.8
13:22:15	1.5	21	8.5
13:22:30	1.5	21	8.5
13:22:45	1.4	21	8.1
13:23:00	1.4	21	8.3

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:23:15	1.4	21	8.1
13:23:30	1.5	21	8.5
13:23:45	1.4	21	8.3
13:24:00	1.4	21	8.3
13:24:15	1.5	21	8.6
13:24:30	1.4	21	7.9
13:24:45	1.4	21	8.1
13:25:00	1.4	21	8.1
13:25:15	1.4	21	8.1
13:25:30	1.3	21	7.5
13:25:45	1.3	21	7.7
13:26:00	1.5	21	8.4
13:26:15	1.5	21	8.4
13:26:30	1.5	21	8.4
13:26:45	1.4	21	7.9
13:27:00	1.4	21	8.1
13:27:15	1.4	21	7.9
13:27:30	1.3	21	7.7
13:27:45	1.3	21	7.5
13:28:00	1.3	21	7.7
13:28:15	1.5	21	8.6
13:28:30	1.5	21	8.4
13:28:45	1.4	21	8.2
13:29:00	1.4	21	8.2
13:29:15	1.3	21	7.5
13:29:30	1.4	21	8.0
13:29:45	1.4	21	8.0
13:30:00	1.3	21	7.6
13:30:15	1.3	21	7.3
13:30:30	1.4	21	8.0
13:30:45	1.3	21	7.8
13:31:00	1.4	21	8.0
13:31:15	1.4	21	8.0
13:31:30	1.4	21	8.0
13:31:45	1.4	21	8.0
13:32:00	1.3	21	7.6
13:32:15	1.3	21	7.3

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:32:30	1.3	21	7.4
13:32:45	1.4	21	8.0
13:33:00	1.4	21	8.0
13:33:15	1.5	21	8.5
13:33:30	1.5	21	8.5
13:33:45	1.4	21	8.3
13:34:00	1.5	21	8.5
13:34:15	1.4	21	8.3
13:34:30	1.4	21	8.3
13:34:45	1.4	21	8.3
13:35:00	1.4	21	8.3
13:35:15	1.4	21	8.1
13:35:30	1.4	21	8.1
13:35:45	1.4	21	7.9
13:36:00	1.4	21	8.1
13:36:15	1.4	21	8.3
13:36:30	1.4	21	8.1
13:36:45	1.5	21	8.6
13:37:00	1.5	21	8.8
13:37:15	1.5	21	8.8
13:37:30	1.5	21	8.8
13:37:45	1.4	21	8.1
13:38:00	1.5	21	8.8
13:38:15	1.4	21	8.1
13:38:30	1.4	21	8.3
13:38:45	1.4	21	8.1
13:39:00	1.4	21	7.9
13:39:15	1.3	21	7.7
13:39:30	1.3	21	7.5
13:39:45	1.3	21	7.7
13:40:00	1.3	21	7.3
13:40:15	1.3	21	7.5
13:40:30	1.4	21	8.2
13:40:45	1.3	21	7.7
13:41:00	1.3	21	7.7
13:41:15	1.5	21	8.8
13:41:30	1.6	21	9.1

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:41:45	1.5	21	8.9
13:42:00	1.6	21	9.1
13:42:15	1.5	21	8.7
13:42:30	1.5	21	8.7
13:42:45	1.5	21	8.9
13:43:00	1.5	21	8.7
13:43:15	1.5	21	8.4
13:43:30	1.5	21	8.4
13:43:45	1.5	21	8.9
13:44:00	1.5	21	8.9
13:44:15	1.5	21	8.4
13:44:30	1.7	21	9.6
13:44:45	1.6	21	9.1
13:45:00	1.6	21	9.1
13:45:15	1.7	21	9.8
13:45:30	1.7	21	9.6
13:45:45	1.7	21	9.8
13:46:00	1.6	21	9.4
13:46:15	1.7	21	9.6
13:46:30	1.6	21	9.4
13:46:45	1.6	21	9.4
13:47:00	1.6	21	9.2
13:47:15	1.5	21	8.7
13:47:30	1.5	21	8.5
13:47:45	1.5	21	8.7
13:48:00	1.5	21	8.8
13:48:15	1.5	21	8.5
13:48:30	1.5	21	8.8
13:48:45	1.6	21	9.0
13:49:00	1.5	21	8.5
13:49:15	1.6	21	9.2
13:49:30	1.6	21	9.0
13:49:45	1.6	21	9.2
13:50:00	1.7	21	9.7
13:50:15	1.7	21	9.7
13:50:30	1.6	21	9.0
13:50:45	1.6	21	9.5

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
13:51:00	1.8	21	10.1
13:51:15	1.6	21	9.2
13:51:30	1.6	21	9.5
13:51:45	1.6	21	9.5
13:52:00	1.5	21	8.8
13:52:15	1.6	21	9.0
13:52:30	1.5	21	8.8
13:52:45	1.6	21	9.0
13:53:00	1.5	21	8.6
13:53:15	1.6	21	9.1
13:53:30	1.5	21	8.8
13:53:45	1.5	21	8.9
13:54:00	1.6	21	9.1
13:54:15	1.6	21	9.3
13:54:30	1.7	21	9.5
13:54:45	1.7	21	9.8
13:55:00	1.7	21	9.8
13:55:15	1.7	21	9.8
13:55:30	1.7	21	9.8
13:55:45	1.7	21	9.8
13:56:00	1.7	21	9.8
13:56:15	1.7	21	9.8
13:56:30	1.7	21	9.6
13:56:45	1.6	21	9.3
13:57:00	1.5	21	8.7
13:57:15	1.4	21	8.2
13:57:30	1.6	21	9.1
13:57:45	1.6	21	9.1
13:58:00	1.5	21	8.7
13:58:15	1.5	21	8.9
13:58:30	1.6	21	9.1
13:58:45	1.6	21	9.1
13:59:00	1.6	21	9.4
13:59:15	1.7	21	9.6
13:59:30	1.6	21	9.2
13:59:45	2.2	21	12.5
14:00:00	1.3	21	7.4

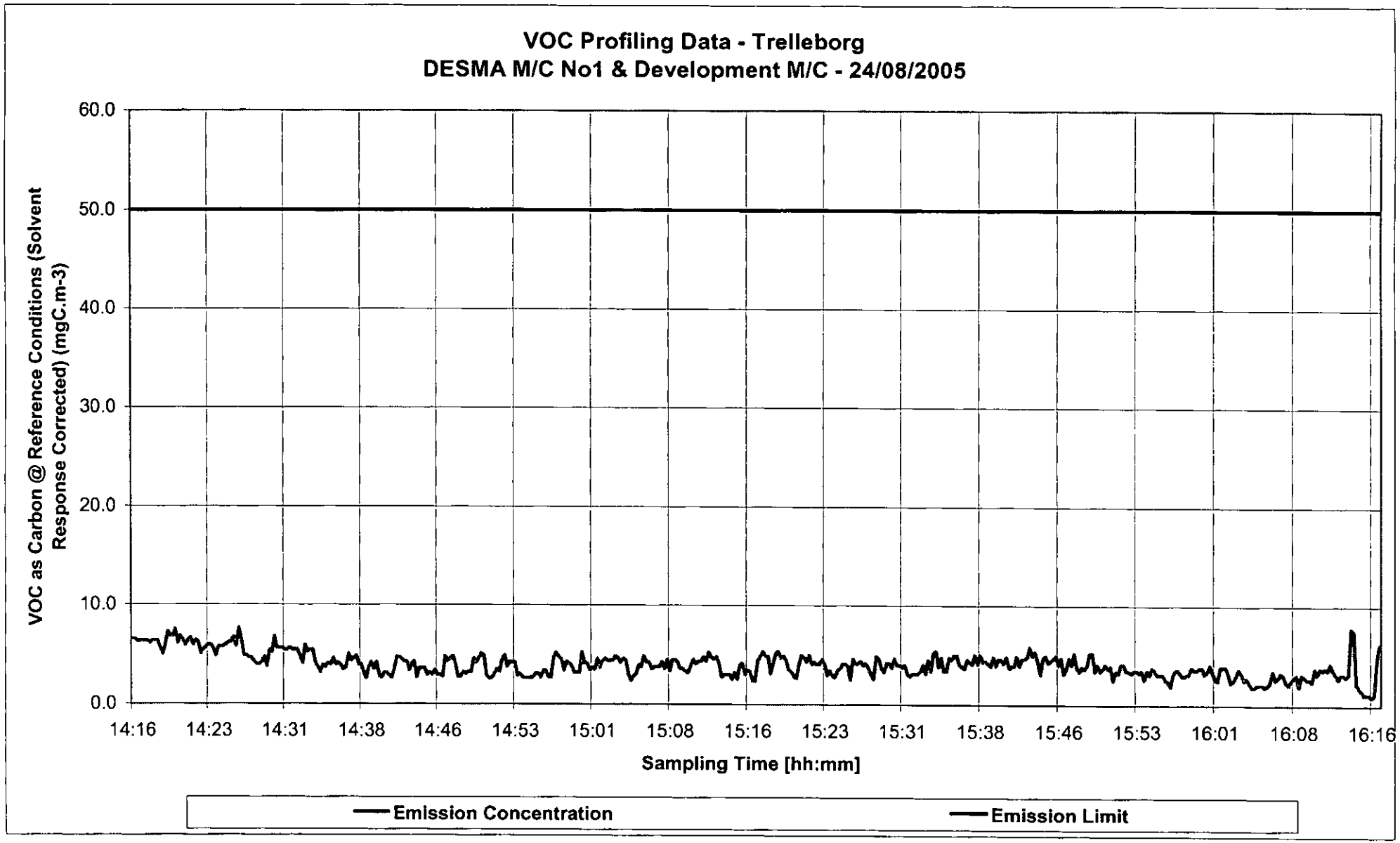
VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA M/C No3**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH 1849/50**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions ($mgC.m^{-3}$)	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) ($mgC.m^{-3}$)
Average	**1.1**		**6.5**


VOC Profiling Data - Trelleborg
DESMA M/C No1 & Development M/C - 24/08/2005
VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m-3)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
14:16
14:23
14:31
14:38
14:46
14:53
15:01
15:08
15:16
15:23
15:31
15:38
15:46
15:53
16:01
16:08
16:16
Sampling Time [hh:mm]
Emission Concentration
Emission Limit

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: DESMA No1 & DEV M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: OH01853/4
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
14:16:00	1.1	21	6.5
14:16:15	1.1	21	6.5
14:16:30	1.1	21	6.3
14:16:45	1.1	21	6.3
14:17:00	1.1	21	6.3
14:17:15	1.1	21	6.3
14:17:30	1.1	21	6.3
14:17:45	1.0	21	6.1
14:18:00	1.1	21	6.3
14:18:15	1.1	21	6.3
14:18:30	1.1	21	6.3
14:18:45	1.0	21	5.7
14:19:00	0.8	21	5.0
14:19:15	1.0	21	5.9
14:19:30	1.2	21	7.3
14:19:45	1.1	21	6.8
14:20:00	1.1	21	6.8
14:20:15	1.3	21	7.5
14:20:30	1.0	21	6.1
14:20:45	1.2	21	6.8
14:21:00	1.1	21	6.4
14:21:15	1.0	21	5.9
14:21:30	1.1	21	6.4
14:21:45	1.1	21	6.6
14:22:00	1.0	21	5.9
14:22:15	1.1	21	6.4
14:22:30	1.0	21	6.2
14:22:45	0.9	21	5.0
14:23:00	0.9	21	5.5
14:23:15	1.0	21	5.7
14:23:30	1.0	21	6.0
14:23:45	1.0	21	6.0
14:24:00	0.9	21	5.5
14:24:15	0.8	21	4.8
14:24:30	1.0	21	5.8
14:24:45	1.0	21	5.8
14:25:00	1.0	21	5.8
14:25:15	1.0	21	6.0

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: DESMA No1 & DEV M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: OH01853/4
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
14:25:30	1.0	21	6.2
14:25:45	1.0	21	6.2
14:26:00	1.1	21	6.7
14:26:15	1.0	21	5.8
14:26:30	1.3	21	7.6
14:26:45	1.1	21	6.5
14:27:00	0.8	21	4.9
14:27:15	0.8	21	4.9
14:27:30	0.8	21	4.7
14:27:45	0.8	21	4.7
14:28:00	0.7	21	4.2
14:28:15	0.7	21	4.0
14:28:30	0.7	21	4.0
14:28:45	0.7	21	4.2
14:29:00	0.8	21	4.7
14:29:15	0.6	21	3.8
14:29:30	0.9	21	5.4
14:29:45	0.9	21	5.2
14:30:00	1.1	21	6.8
14:30:15	0.9	21	5.6
14:30:30	0.9	21	5.6
14:30:45	0.9	21	5.6
14:31:00	0.9	21	5.4
14:31:15	0.9	21	5.4
14:31:30	1.0	21	5.6
14:31:45	0.9	21	5.4
14:32:00	0.9	21	5.4
14:32:15	0.9	21	5.4
14:32:30	0.8	21	4.7
14:32:45	0.7	21	4.1
14:33:00	1.0	21	5.9
14:33:15	0.9	21	5.2
14:33:30	0.9	21	5.5
14:33:45	0.9	21	5.5
14:34:00	0.7	21	4.1
14:34:15	0.6	21	3.6
14:34:30	0.5	21	3.2
14:34:45	0.7	21	3.9

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: DESMA No1 & DEV M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: OH01853/4
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
14:35:00	0.6	21	3.7
14:35:15	0.7	21	4.1
14:35:30	0.7	21	3.9
14:35:45	0.8	21	4.6
14:36:00	0.7	21	3.9
14:36:15	0.7	21	4.1
14:36:30	0.7	21	3.9
14:36:45	0.6	21	3.4
14:37:00	0.6	21	3.7
14:37:15	0.9	21	5.0
14:37:30	0.7	21	4.4
14:37:45	0.8	21	4.6
14:38:00	0.8	21	4.8
14:38:15	0.7	21	3.9
14:38:30	0.7	21	3.9
14:38:45	0.5	21	3.0
14:39:00	0.4	21	2.6
14:39:15	0.6	21	3.7
14:39:30	0.7	21	4.2
14:39:45	0.6	21	3.5
14:40:00	0.7	21	4.2
14:40:15	0.5	21	2.8
14:40:30	0.4	21	2.6
14:40:45	0.5	21	3.1
14:41:00	0.5	21	3.1
14:41:15	0.5	21	2.8
14:41:30	0.4	21	2.6
14:41:45	0.6	21	3.5
14:42:00	0.8	21	4.7
14:42:15	0.8	21	4.7
14:42:30	0.8	21	4.4
14:42:45	0.7	21	4.2
14:43:00	0.7	21	4.2
14:43:15	0.6	21	3.3
14:43:30	0.7	21	4.0
14:43:45	0.7	21	4.3
14:44:00	0.4	21	2.7
14:44:15	0.6	21	3.6

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: DESMA No1 & DEV M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: OH01853/4
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
14:44:30	0.6	21	3.6
14:44:45	0.6	21	3.6
14:45:00	0.5	21	2.9
14:45:15	0.5	21	3.2
14:45:30	0.5	21	2.9
14:45:45	0.6	21	3.4
14:46:00	0.5	21	2.9
14:46:15	0.5	21	2.9
14:46:30	0.5	21	2.7
14:46:45	0.8	21	4.8
14:47:00	0.7	21	4.3
14:47:15	0.8	21	4.5
14:47:30	0.8	21	4.8
14:47:45	0.7	21	3.9
14:48:00	0.5	21	2.7
14:48:15	0.5	21	2.7
14:48:30	0.5	21	3.2
14:48:45	0.5	21	3.0
14:49:00	0.5	21	3.2
14:49:15	0.5	21	3.2
14:49:30	0.8	21	4.6
14:49:45	0.7	21	4.1
14:50:00	0.8	21	4.6
14:50:15	0.9	21	5.1
14:50:30	0.8	21	4.8
14:50:45	0.5	21	2.8
14:51:00	0.4	21	2.6
14:51:15	0.4	21	2.6
14:51:30	0.5	21	3.0
14:51:45	0.6	21	3.5
14:52:00	0.6	21	3.3
14:52:15	0.7	21	4.4
14:52:30	0.8	21	4.9
14:52:45	0.6	21	3.7
14:53:00	0.7	21	4.2
14:53:15	0.7	21	4.2
14:53:30	0.7	21	4.2
14:53:45	0.5	21	2.8

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: DESMA No1 & DEV M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: OH01853/4
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
14:54:00	0.5	21	3.1
14:54:15	0.4	21	2.6
14:54:30	0.4	21	2.6
14:54:45	0.4	21	2.6
14:55:00	0.4	21	2.6
14:55:15	0.4	21	2.6
14:55:30	0.5	21	3.1
14:55:45	0.5	21	3.1
14:56:00	0.4	21	2.7
14:56:15	0.6	21	3.3
14:56:30	0.6	21	3.4
14:56:45	0.4	21	2.7
14:57:00	0.5	21	2.7
14:57:15	0.8	21	4.7
14:57:30	0.9	21	5.2
14:57:45	0.8	21	4.7
14:58:00	0.8	21	4.5
14:58:15	0.6	21	3.4
14:58:30	0.7	21	4.3
14:58:45	0.7	21	4.1
14:59:00	0.6	21	3.8
14:59:15	0.5	21	3.1
14:59:30	0.5	21	3.2
14:59:45	0.5	21	3.2
15:00:00	0.9	21	5.2
15:00:15	0.7	21	4.1
15:00:30	0.7	21	4.1
15:00:45	0.6	21	3.4
15:01:00	0.6	21	3.7
15:01:15	0.6	21	3.4
15:01:30	0.8	21	4.6
15:01:45	0.6	21	3.7
15:02:00	0.7	21	4.4
15:02:15	0.8	21	4.6
15:02:30	0.7	21	4.4
15:02:45	0.7	21	4.4
15:03:00	0.7	21	4.4
15:03:15	0.8	21	4.8

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: DESMA No1 & DEV M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: OH01853/4
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
15:03:30	0.8	21	4.6
15:03:45	0.7	21	4.2
15:04:00	0.8	21	4.6
15:04:15	0.7	21	4.4
15:04:30	0.5	21	3.0
15:04:45	0.4	21	2.3
15:05:00	0.5	21	2.8
15:05:15	0.5	21	3.0
15:05:30	0.7	21	3.9
15:05:45	0.6	21	3.7
15:06:00	0.8	21	4.9
15:06:15	0.7	21	4.2
15:06:30	0.7	21	4.2
15:06:45	0.6	21	3.5
15:07:00	0.6	21	3.8
15:07:15	0.6	21	3.8
15:07:30	0.6	21	3.8
15:07:45	0.7	21	4.2
15:08:00	0.6	21	3.6
15:08:15	0.8	21	4.5
15:08:30	0.6	21	3.3
15:08:45	0.8	21	4.5
15:09:00	0.8	21	4.5
15:09:15	0.7	21	4.3
15:09:30	0.6	21	3.6
15:09:45	0.6	21	3.6
15:10:00	0.6	21	3.3
15:10:15	0.5	21	3.1
15:10:30	0.6	21	3.8
15:10:45	0.8	21	4.5
15:11:00	0.7	21	4.0
15:11:15	0.7	21	4.3
15:11:30	0.7	21	4.3
15:11:45	0.8	21	4.8
15:12:00	0.7	21	4.3
15:12:15	0.9	21	5.2
15:12:30	0.8	21	4.8
15:12:45	0.8	21	4.6

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA No1 & DEV M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH01853/4**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
15:13:00	0.8	21	4.8
15:13:15	0.7	21	4.1
15:13:30	0.5	21	2.7
15:13:45	0.5	21	3.0
15:14:00	0.5	21	3.0
15:14:15	0.5	21	3.0
15:14:30	0.4	21	2.5
15:14:45	0.5	21	3.2
15:15:00	0.4	21	2.5
15:15:15	0.7	21	3.9
15:15:30	0.7	21	4.1
15:15:45	0.5	21	3.0
15:16:00	0.6	21	3.4
15:16:15	0.5	21	3.2
15:16:30	0.4	21	2.3
15:16:45	0.4	21	2.3
15:17:00	0.7	21	4.4
15:17:15	0.8	21	4.8
15:17:30	0.9	21	5.3
15:17:45	0.8	21	4.9
15:18:00	0.8	21	4.9
15:18:15	0.5	21	3.0
15:18:30	0.7	21	4.2
15:18:45	0.9	21	5.1
15:19:00	0.9	21	5.4
15:19:15	0.8	21	4.7
15:19:30	0.8	21	4.9
15:19:45	0.8	21	4.5
15:20:00	0.6	21	3.5
15:20:15	0.6	21	3.3
15:20:30	0.5	21	2.8
15:20:45	0.4	21	2.6
15:21:00	0.7	21	4.0
15:21:15	0.8	21	4.9
15:21:30	0.8	21	4.7
15:21:45	0.7	21	4.2
15:22:00	0.8	21	4.9
15:22:15	0.7	21	4.0

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA No1 & DEV M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH01853/4**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
15:22:30	0.7	21	4.3
15:22:45	0.7	21	4.0
15:23:00	0.7	21	4.0
15:23:15	0.8	21	4.5
15:23:30	0.7	21	4.1
15:23:45	0.5	21	2.9
15:24:00	0.6	21	3.4
15:24:15	0.5	21	2.9
15:24:30	0.5	21	2.7
15:24:45	0.6	21	3.4
15:25:00	0.6	21	3.6
15:25:15	0.7	21	4.1
15:25:30	0.7	21	4.1
15:25:45	0.7	21	3.9
15:26:00	0.4	21	2.5
15:26:15	0.8	21	4.6
15:26:30	0.7	21	4.1
15:26:45	0.7	21	4.1
15:27:00	0.7	21	4.3
15:27:15	0.7	21	3.9
15:27:30	0.7	21	4.1
15:27:45	0.6	21	3.7
15:28:00	0.5	21	3.0
15:28:15	0.4	21	2.5
15:28:30	0.8	21	4.8
15:28:45	0.8	21	4.6
15:29:00	0.6	21	3.7
15:29:15	0.5	21	3.2
15:29:30	0.7	21	4.2
15:29:45	0.7	21	4.2
15:30:00	0.6	21	3.7
15:30:15	0.8	21	4.6
15:30:30	0.7	21	4.0
15:30:45	0.7	21	4.0
15:31:00	0.6	21	3.7
15:31:15	0.7	21	4.0
15:31:30	0.5	21	3.0
15:31:45	0.5	21	2.8

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA No1 & DEV M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH01853/4**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
15:32:00	0.5	21	3.0
15:32:15	0.5	21	3.0
15:32:30	0.5	21	3.0
15:32:45	0.6	21	3.3
15:33:00	0.7	21	4.0
15:33:15	0.5	21	3.1
15:33:30	0.8	21	4.4
15:33:45	0.6	21	3.3
15:34:00	0.9	21	5.1
15:34:15	0.9	21	5.4
15:34:30	0.6	21	3.8
15:34:45	0.8	21	4.7
15:35:00	0.6	21	3.3
15:35:15	0.6	21	3.4
15:35:30	0.8	21	4.7
15:35:45	0.8	21	4.5
15:36:00	0.8	21	5.0
15:36:15	0.8	21	5.0
15:36:30	0.7	21	4.1
15:36:45	0.6	21	3.8
15:37:00	0.6	21	3.6
15:37:15	0.8	21	4.5
15:37:30	0.7	21	4.3
15:37:45	0.7	21	4.1
15:38:00	0.8	21	5.0
15:38:15	0.7	21	4.1
15:38:30	0.8	21	5.0
15:38:45	0.7	21	4.3
15:39:00	0.7	21	4.3
15:39:15	0.7	21	4.1
15:39:30	0.7	21	3.9
15:39:45	0.8	21	4.8
15:40:00	0.7	21	3.9
15:40:15	0.8	21	4.6
15:40:30	0.8	21	4.6
15:40:45	0.7	21	4.1
15:41:00	0.8	21	4.8
15:41:15	0.6	21	3.7

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA No1 & DEV M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH01853/4**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
15:41:30	0.7	21	3.9
15:41:45	0.7	21	3.9
15:42:00	0.8	21	4.9
15:42:15	0.7	21	3.9
15:42:30	0.8	21	4.6
15:42:45	0.8	21	4.6
15:43:00	0.8	21	4.9
15:43:15	1.0	21	5.8
15:43:30	0.8	21	4.9
15:43:45	0.9	21	5.3
15:44:00	0.7	21	4.4
15:44:15	0.5	21	3.0
15:44:30	0.8	21	4.6
15:44:45	0.8	21	4.9
15:45:00	0.7	21	4.2
15:45:15	0.7	21	4.4
15:45:30	0.8	21	4.7
15:45:45	0.8	21	4.9
15:46:00	0.7	21	4.0
15:46:15	0.8	21	4.7
15:46:30	0.5	21	3.1
15:46:45	0.6	21	3.6
15:47:00	0.8	21	4.7
15:47:15	0.7	21	4.0
15:47:30	0.9	21	5.2
15:47:45	0.6	21	3.8
15:48:00	0.6	21	3.3
15:48:15	0.6	21	3.8
15:48:30	0.6	21	3.6
15:48:45	0.7	21	4.0
15:49:00	0.9	21	5.2
15:49:15	0.9	21	5.2
15:49:30	0.6	21	3.4
15:49:45	0.7	21	4.0
15:50:00	0.6	21	3.4
15:50:15	0.6	21	3.6
15:50:30	0.7	21	4.1
15:50:45	0.6	21	3.6

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: DESMA No1 & DEV M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: OH01853/4
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
15:51:00	0.6	21	3.9
15:51:15	0.4	21	2.5
15:51:30	0.6	21	3.4
15:51:45	0.5	21	3.2
15:52:00	0.7	21	4.1
15:52:15	0.7	21	4.1
15:52:30	0.6	21	3.4
15:52:45	0.6	21	3.4
15:53:00	0.5	21	3.2
15:53:15	0.6	21	3.4
15:53:30	0.6	21	3.4
15:53:45	0.5	21	3.2
15:54:00	0.6	21	3.4
15:54:15	0.4	21	2.5
15:54:30	0.6	21	3.4
15:54:45	0.5	21	3.0
15:55:00	0.6	21	3.7
15:55:15	0.6	21	3.5
15:55:30	0.5	21	3.0
15:55:45	0.5	21	3.0
15:56:00	0.5	21	3.0
15:56:15	0.4	21	2.6
15:56:30	0.4	21	2.3
15:56:45	0.3	21	1.9
15:57:00	0.5	21	3.0
15:57:15	0.6	21	3.5
15:57:30	0.6	21	3.5
15:57:45	0.5	21	3.1
15:58:00	0.5	21	2.8
15:58:15	0.5	21	3.1
15:58:30	0.5	21	3.1
15:58:45	0.6	21	3.8
15:59:00	0.6	21	3.5
15:59:15	0.6	21	3.5
15:59:30	0.6	21	3.8
15:59:45	0.6	21	3.8
16:00:00	0.5	21	3.1
16:00:15	0.6	21	3.3

VOC Emission Data

Job Ref: OEH 34279
Client Name: Trelleborg
Location: DESMA No1 & DEV M/C
Date: 24-Aug-05
Scientist: JL

Technical Details

Instrument Type FID
Calibration Gas Methane
% Carbon: 75%
Sample Number: OH01853/4
Instrument Range: 1
Emission Limit: 50

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
16:00:30	0.7	21	4.0
16:00:45	0.6	21	3.3
16:01:00	0.4	21	2.6
16:01:15	0.4	21	2.4
16:01:30	0.6	21	3.8
16:01:45	0.6	21	3.8
16:02:00	0.6	21	3.8
16:02:15	0.5	21	3.1
16:02:30	0.4	21	2.2
16:02:45	0.4	21	2.5
16:03:00	0.5	21	2.9
16:03:15	0.6	21	3.6
16:03:30	0.5	21	3.2
16:03:45	0.4	21	2.5
16:04:00	0.5	21	2.7
16:04:15	0.4	21	2.3
16:04:30	0.3	21	1.8
16:04:45	0.3	21	1.8
16:05:00	0.3	21	2.0
16:05:15	0.3	21	2.0
16:05:30	0.3	21	2.0
16:05:45	0.3	21	1.8
16:06:00	0.3	21	2.0
16:06:15	0.4	21	2.3
16:06:30	0.6	21	3.4
16:06:45	0.4	21	2.5
16:07:00	0.5	21	2.8
16:07:15	0.5	21	3.2
16:07:30	0.5	21	3.0
16:07:45	0.4	21	2.3
16:08:00	0.4	21	2.1
16:08:15	0.4	21	2.6
16:08:30	0.5	21	2.8
16:08:45	0.5	21	3.0
16:09:00	0.3	21	1.9
16:09:15	0.5	21	3.0
16:09:30	0.5	21	2.8
16:09:45	0.4	21	2.6

VOC Emission Data

Job Ref:	**OEH 34279**
Client Name:	**Trelleborg**
Location:	**DESMA No1 & DEV M/C**
Date:	**24-Aug-05**
Scientist:	**JL**

Technical Details

Instrument Type	**FID**
Calibration Gas	**Methane**
% Carbon:	**75%**
Sample Number:	**OH01853/4**
Instrument Range:	**1**
Emission Limit:	**50**

Sampling Time	VOC as Methane Equivalent@ Reference Conditions (mgC.m^{-3})	Average Stack Temp (°C)	VOC as Carbon @ Reference Conditions (Solvent Response Corrected) (mgC.m^{-3})
16:10:00	0.4	21	2.6
16:10:15	0.4	21	2.4
16:10:30	0.6	21	3.7
16:10:45	0.5	21	3.1
16:11:00	0.6	21	3.7
16:11:15	0.6	21	3.5
16:11:30	0.6	21	3.7
16:11:45	0.6	21	3.5
16:12:00	0.7	21	4.2
16:12:15	0.6	21	3.5
16:12:30	0.5	21	3.1
16:12:45	0.4	21	2.6
16:13:00	0.5	21	3.1
16:13:15	0.5	21	3.1
16:13:30	0.5	21	2.9
16:13:45	0.5	21	3.1
16:14:00	1.3	21	7.7
16:14:15	1.3	21	7.5
16:14:30	0.4	21	2.2
16:14:45	0.3	21	1.8
16:15:00	0.3	21	1.5
16:15:15	0.2	21	1.1
16:15:30	0.2	21	1.1
16:15:45	0.2	21	1.1
16:16:00	0.1	21	0.9
16:16:15	0.2	21	1.1
16:16:30	0.8	21	4.5
16:16:45	1.0	21	6.1
Average	**0.7**		**4.0**

APPENDIX III : DETAILED ISOCYANATE RESULTS TABLES

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ENVIRONMENTAL RELEASE DATA FOR TRELLEBORG AUTOMOTIVE EUROPE

			ENVIRONMENTAL RELEASE LEVELS[1]	
	STACK REFERENCE AND ACTIVITY MONITORED		COV Ralph No.5 m/c	
	TIME OF SAMPLING		9:45 – 10:45	10:45 – 11:45
	DATE OF SAMPLING		24th August 2005	
ANALYTE(S)	UNITS	RELEASE LIMIT		
Isocyanates	$mg.m^{-3}$	0.1	<0.001	<0.001

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

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ENVIRONMENTAL RELEASE DATA FOR TRELLEBORG AUTOMOTIVE EUROPE

			ENVIRONMENTAL RELEASE LEVELS[1]	
	STACK REFERENCE AND ACTIVITY MONITORED		Desma m/c No.3	
	TIME OF SAMPLING		12:00 – 13:00	13:00 – 14:00
	DATE OF SAMPLING		24th August 2005	
ANALYTE(S)	**UNITS**	**RELEASE LIMIT**		
Isocyanates	**$mg.m^{-3}$**	0.1	<0.001	<0.001

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

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ENVIRONMENTAL RELEASE DATA FOR TRELLEBORG AUTOMOTIVE EUROPE

			ENVIRONMENTAL RELEASE LEVELS[1]	
	STACK REFERENCE AND ACTIVITY MONITORED		Desma m/c No.1 & Development m/c	
	TIME OF SAMPLING		14:16 – 15:16	15:16 – 16:16
	DATE OF SAMPLING		24th August 2005	
ANALYTE(S)	UNITS	RELEASE LIMIT		
Isocyanates	$mg.m^{-3}$	0.1	<0.001	<0.001

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

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APPENDIX IV

EQUIPMENT CALIBRATION CERTIFICATES

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EQUIPMENT CALIBRATION
MEASURING TAPES

OEH Group Limited

Test Tape Reference:	AQ 49	**Reference Ruler No:**	AQ 45
Calibration Date:	28/04/2005	**Calibration Date:**	18/04/2005
		Reference Ruler Certificate No:	113111

Test Tape Interval, mm	Test Tape Nominal Length, mm	Reference Ruler Reading, mm	% Difference (Test:Ref) (Maximum Allowed +/- 0.5%)	Pass/Fail
0 - 10	10	10	0.00	Pass
0 - 50	50	50	0.00	Pass
0 - 100	100	100	0.00	Pass
0 - 250	250	250	0.00	Pass
0 - 500	500	500	0.00	Pass
0 - 750	750	750	0.00	Pass
0 - 1000	1000	1000	0.00	Pass
1000 - 1010	10	10	0.00	Pass
1000 - 1050	50	50	0.00	Pass
1000 - 1100	100	100	0.00	Pass
1000 - 1250	250	250	0.00	Pass
1000 - 1500	500	500	0.00	Pass
1000 - 1750	750	750	0.00	Pass
1000 - 2000	1000	1000	0.00	Pass
2000 - 2010	10	10	0.00	Pass
2000 - 2050	50	50	0.00	Pass
2000 - 2100	100	100	0.00	Pass
2000 - 2250	250	250	0.00	Pass
2000 - 2500	500	500	0.00	Pass
2000 - 2750	750	750	0.00	Pass
2000 - 3000	1000	1000	0.00	Pass

The overall uncertainty of measurements was 0.00 units %

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2.00, providing a level of confidence of approximately 95%.

Calibrated By: [redacted]

Signature: [redacted]

CERTIFICATE OF CALIBRATION

ISSUED BY

AQ064

DATE OF ISSUE: **05 May 2005** CERTIFICATE NUMBER: **N8913/05**

UKAS CALIBRATION 0436

Littlebrook Calibration & Manufacturing Ltd
Littlebrook Complex
Manor Way
Dartford
Kent, DA1 5PU
Telephone (01322) 280038 Facsimile (01322) 284835

[redacted]
APPROVED SIGNATORY

CUSTOMER DETAILS **LCM REF: LCM4426/05/7**

Company : **OEH Group Ltd**
Address : 253-255.Great Lister Street
Birmingham
B7 4BS

Order number : 4295

UNIT CALIBRATED

Manufacturer : Testo
Model : 512 Digital Manometer
Range : 0 to 20 mbar differential
Serial number : 30208024 (AQ064)
Date unit received : 12/04/2005
Date calibrated : 15/04/2005

LABORATORY CONDITIONS : Temperature 20.1°C ± 1.5°C

CALIBRATION PROCEDURE : PROC0023

The uncertainties reported relate only to the measured values and do not imply any long-term performance fo the instrument.

UKAS Calibration For Pressure.

Approved Signatory (Print): J L Whalin

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AQ095.

CERTIFICATE OF CALIBRATION

ISSUED BY

DATE OF ISSUE: **04 May 2005** CERTIFICATE NUMBER: **N8907/05**

UKAS CALIBRATION
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Telephone (01322) 280038 Facsimile (01322) 284835

[redacted]
APPROVED SIGNATORY

CUSTOMER DETAILS **LCM REF: LCM4426/05/1**

Company : **OEH Group Limited**
Address : 253-255 Great Lister Street
Birmingham, B7 4BS

Order number : 4295

UNIT CALIBRATED

Manufacturer : Airflow Developments
Model : L-Type Pitot tube
Range : 3 to 30 m/s
Serial number : AQ095
Date unit received : 12/04/2005
Date calibrated : 04/05/2005

LABORATORY CONDITIONS : Temperature 23°C ± 2°C

CALIBRATION PROCEDURES : PROC0025

The uncertainties reported relate only to the measured values and do not imply any long-term performance for the instrument.

UKAS Calibration For Air Velocity.

Approved Signatory (Print): A M Sidgwick

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EQUIPMENT CALIBRATION
THERMOCOUPLE READERS

Test Thermocouple Reader Reference:	**AQ 004**
Calibration Date:	**28/04/05**

Reference Thermocouple Simulator No:	**AQ 67**
Calibrated Date:	**11/05/04**
Simulator Calibration Certificate No:	**22350**

Simulator Temperature (degrees C)	Test Reader Response (degrees C)	% Difference (Test:Ref) (Maximum Allowed +/- 1.0%) (Kelvin)	Pass/Fail
0	-0.1	-0.04	Pass
100	99.7	-0.08	Pass
500	499.4	-0.08	Pass
1000	999.5	-0.04	Pass

The overall uncertainty of measurements was 0.14 units %

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2.00, providing a level of confidence of approximately 95%.

Calibrated By: [redacted]

Signature: [redacted]

Rotameter Reference	**AQ 061**
Date of Calibration:	03/11/2004

Reference Dry Gas Meter Number:	AQ 046
Reference Dry Gas Meter Calibration Certificate:	N1125959F
Reference Dry Gas Meter Calibration Date:	20/08/2004
Stopwatch Reference:	AQ 111
Stopwatch Calibration Date:	11/06/2004

Section 1: Calibration Record

Flow Rate Setting (l/min)	Leak Check (Y/N)	Flow Rate Checks			Time Period			Reference Dry Gas Meter Readings (litres)		
		10 min	20min	30 min	Start	Finish	Δ (min)	Start	Finish	Volume Measured
3.0	y	3.0	3.0	3.0	9:23	9:53	30.00	28741.0	28829.8	88.8
1.6	y	1.6	1.6	1.6	9:55	10:25	30.00	28831.0	28878.8	47.8
0.6	y	0.6	0.6	0.6	11:13	11:43	30.00	28880.0	28898.2	18.2

Section 2: Calculations

Flow Rate Setting (l/min)	3.0	1.6	0.6
Calibrated Volume (Litres)	89	48	18
Test Period, (hh:mm)	30.00	30.00	30.00
Reference Flowrate (l/min)	2.96	1.59	0.61
% Error	-1.35	-0.42	1.10

Are any of the indicated flowrates mor than 2% from reference? N

If yes then rotameter not to be used.

Calibrated By: [redacted]

Signature: [redacted]

AS 500 Pump Reference:	AQ 026	Reference Dry Gas Meter Number:	AQ 046
Date of Calibration:	05 -08/08/2005	Reference Dry Gas Meter Calibration Certificate:	N1125959F
		Reference Dry Gas Meter Calibration Date:	20/08/2004

Section 1: Calibration Record

Flow Rate Setting (%)	Leak Check (Y/N)	AS 500 Stroke Counter Reading			Time Period			Reference Dry Gas Meter Readings (litres)		
		Start	Finish	Δ	Start	Finish	Δ (hrs:min)	Start	Finish	Volume Measured
45	Y	558600	581007	22407	12:35	14:20	01:45	59900.0	59911.2	11.2
25	Y	581025	606200	25175	14:25	17:00	02:35:00	59911.2	59923.6	12.4
10	y	606550	633447	26897	7:30	11:40	04:10	59924.0	59937.2	13.2

Section 2: Calculations

Flow Rate Setting (%)	45	25	10
Calibrated Volume, ml	11200	12400	13200
Test Period, (hh:mm)	01:45	02:35	04:10
No of Strokes	22407	25175	26897
Volume:Stroke Ratio	0.50	0.49	0.49

Mean Volume:Stroke (ml/stroke)	0.49
Maximum Volume:Stroke (ml/stroke)	0.50
Minimum Volume:Stroke (ml/stroke)	0.49
Is either max or min Volume:Stroke ratio more than 0.02 from the mean?	N

If yes then pump needs overhaul.

Calibrated By: [redacted]

Signature: [redacted]