

MEASUREMENT OF ENVIRONMENTAL EMISSIONS
DURING
SPRAY COATING OF COMPONENTS
FOR THE AVIATION INDUSTRY

at

DUNLOP AEROSPACE BRAKING SYSTEMS
HOLBROOK LANE
COVENTRY
WARWICKSHIRE
CV6 4AA

Report No:	OEH 34285 CS F	Client Ref:	Dave Warrington
Date of Visit:	2 August, 2005	Site Contact:	Dave Warrington
Date of Report:	22 August 2005	Data Protection Act Registration No: B0479 03 4	

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EXECUTIVE SUMMARY

Date Of Test &

Emissions sampling from the Wheel & Brake Kitchen & Stoving Oven was conducted on 2nd August 2005.

Test Areas

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 achieved on this occasion.

General Observations

Sampling was conducted over an entire day in order to generate emissions data that is fully representative of the daily emissions profile.

Static background samples were also taken at various points around the Wheel & Brake paintshop.

Surveyed and reported by:

Verified by:


Jonathan Litterick *BSc (Hons)*
Environmental Scientist
for and on behalf of OEH Group Limited


A.B. Andy Barnes *BSc (Hons)*
Environmental Scientist

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

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

3.1.2 Volatile Organic Compounds

Continuous extractive sampling for VOCs was conducted using two off Research Engineers Flame Ionisation Detectors. The instruments were 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.

3.2 Analysis

3.2.1 Techniques & Detection Limits

Analyte	Analysis Technique	Detection Limit	Analytical Precision, %	Method Reference
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-9001 (2000)	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
¹ UKAS lab number 1821		
<i>Stack sampling team is a member of the Source Testing Association</i>		

5.1 Paint Kitchen

5.1.1 Volatile Organic Compounds

The average result from the Wheel & Brake Paint Kitchen was below the 50 mg.m⁻³ limit at an average of 19.9 mg.m⁻³.

5.2 Oven

5.2.1 Volatile Organic Compounds

The average result from the Wheel & Brake Oven was below the 50 mg.m⁻³ limit at an average of 39.0 mg.m⁻³.

6 CONCLUSIONS

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

The levels measured by the static samples indicate that the extraction working effectively and that VOC levels do not build up in the paintshop.

7 APPENDICES

Appendix I: Detailed Flow Rate Results Tables

Appendix II: VOC Profiling Data

**APPENDIX I: DETAILED PARTICULATE & FLOW RATE
RESULTS TABLES**

Plant Type	W & B Oven	Stack Area (m ²)	0.049
Job Number	OEH 34284	Ambient Temp (C)	25
Client Name	Dunlop ABS	Stack Diameter (cm)	25
Date	2nd August 2005	Pitot Factor	1.00
		Pitot Factor (sqit)	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)	3	3	2	4	5	3	3	4	3	2
Temperature (°C)	74	74	74	74	74	74	74	74	74	74
Duct Velocity (m/s)	2.4	2.4	2.0	2.8	3.1	2.4	2.4	2.8	2.4	2.0

Absolute Mean Duct Velocity (m/s)	2.5
Absolute Flow Rate (m³/hr)	440
Normalised Flow Rate (Nm³/hr)	346

Plant Type	W & B Kitchen	Stack Area (m ²)	0.071
Job Number	OEH 34285	Ambient Temp (C)	25
Client Name	Dunlop ABS	Stack Diameter (cm)	30
Date	2nd August 2005	Pitot Factor	1.00
		Pitot Factor (sqrt)	1.00
		Stack Pressure (Pa)	9
		Ambient Pressure (kPa)	101.3

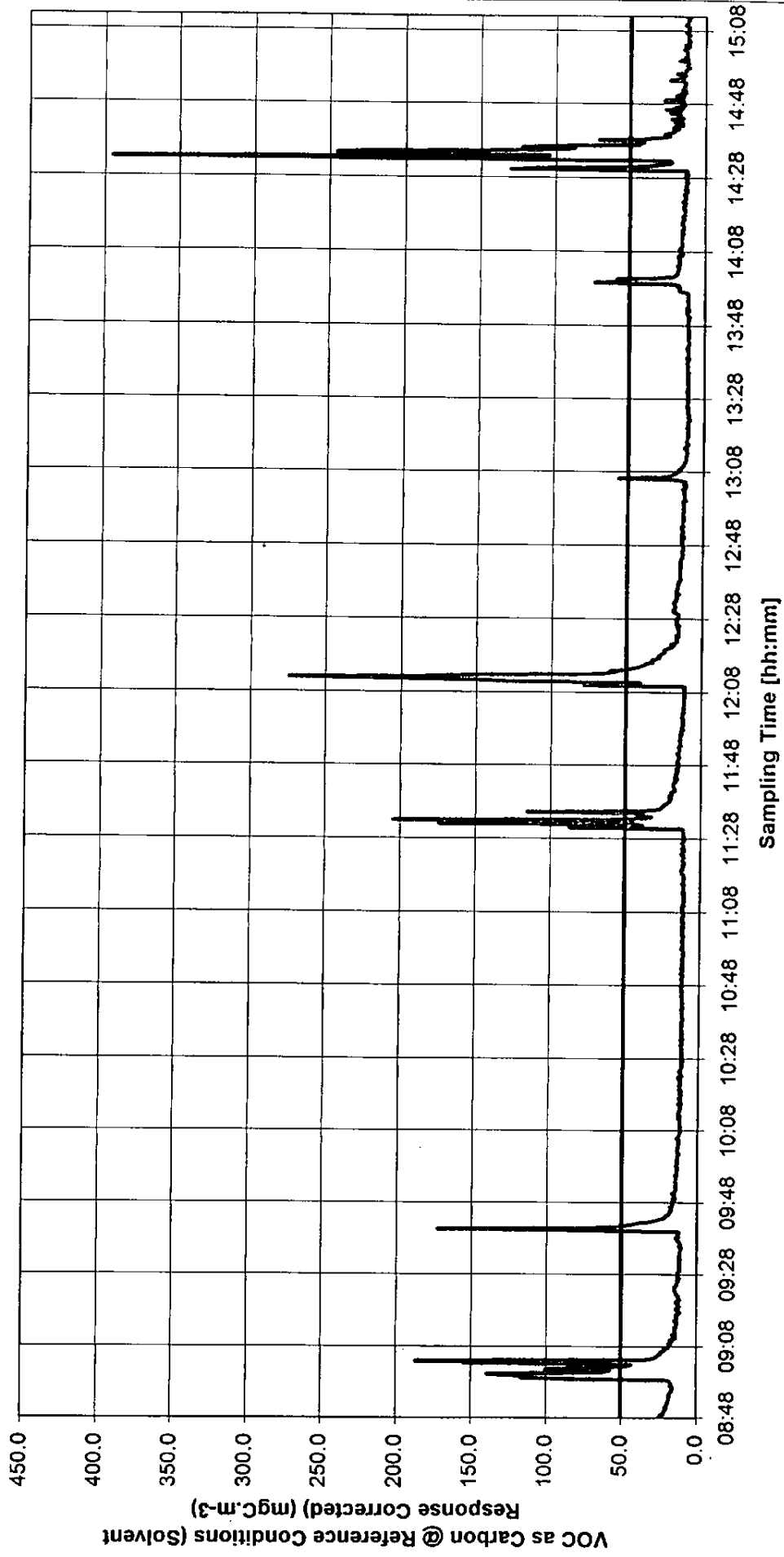
PITOT SURVEY

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)	18	20	19	13	17	19	20	22	24	21
Temperature (°C)	26	26	26	26	26	26	26	26	26	26
Duct Velocity (m/s)	5.5	5.8	5.7	4.7	5.4	5.7	5.8	6.1	6.4	6.0

Absolute Mean Duct Velocity (m/s)	5.7
Absolute Flow Rate (m³/hr)	1452
Normalised Flow Rate (Nm³/hr)	1326

APPENDIX II: VOC PROFILING DATA

VOC Profiling Data - Dunlop Ltd
Wheel & Brake Paint Kitchen - (02/08/2005)



— Emission Concentration

- - - Emission Limit

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

Paint Kitchen

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

728/9

Instrument Range:

532

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)
8:48:00	14.2	25	24.87
8:48:20	13.1	25	22.97
8:48:40	13.7	25	24.12
8:49:00	12.2	25	21.47
8:49:20	12.5	25	21.87
8:49:40	12.2	25	21.47
8:50:00	12.0	25	21.07
8:50:20	11.4	25	19.97
8:50:40	12.0	25	21.07
8:51:00	11.4	25	19.97
8:51:20	11.1	25	19.57
8:51:40	11.1	25	19.57
8:52:00	11.1	25	19.57
8:52:20	10.7	25	18.82
8:52:40	10.5	25	18.47
8:53:00	10.5	25	18.47
8:53:20	10.7	25	18.82
8:53:40	10.3	25	18.07
8:54:00	10.1	25	17.72
8:54:20	10.5	25	18.47
8:54:40	10.1	25	17.72
8:55:00	9.9	25	17.32
8:55:20	9.2	25	16.22
8:55:40	9.2	25	16.22
8:56:00	9.2	25	16.22
8:56:20	9.0	25	15.82
8:56:40	9.9	25	17.32
8:57:00	9.4	25	16.57
8:57:20	9.7	25	16.97
8:57:40	9.9	25	17.32
8:58:00	10.1	25	17.72
8:58:20	10.9	25	19.22
8:58:40	53.8	25	94.54
8:59:00	66.5	25	116.82
8:59:20	63.3	25	111.16
8:59:40	69.1	25	121.32
9:00:00	79.2	25	139.04
9:00:20	50.2	25	88.14
9:00:40	35.6	25	62.56
9:01:00	32.8	25	57.66
9:01:20	57.1	25	100.20
9:01:40	49.1	25	86.29
9:02:00	31.8	25	55.76
9:02:20	26.2	25	45.95

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

Paint Kitchen

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

728/9

Instrument Range:

532

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)
9:02:40	24.7	25	43.34
9:03:00	87.8	25	154.10
9:03:20	32.8	25	57.66
9:03:40	106.2	25	186.48
9:04:00	19.3	25	33.88
9:04:20	17.2	25	30.13
9:04:40	15.6	25	27.48
9:05:00	15.0	25	26.38
9:05:20	14.6	25	25.63
9:05:40	13.5	25	23.72
9:06:00	13.7	25	24.12
9:06:20	13.1	25	22.97
9:06:40	12.0	25	21.07
9:07:00	12.5	25	21.87
9:07:20	10.9	25	19.22
9:07:40	10.7	25	18.82
9:08:00	10.3	25	18.07
9:08:20	9.9	25	17.32
9:08:40	10.5	25	18.47
9:09:00	9.9	25	17.32
9:09:20	9.2	25	16.22
9:09:40	10.1	25	17.72
9:10:00	7.9	25	13.91
9:10:20	8.4	25	14.71
9:10:40	7.9	25	13.91
9:11:00	9.2	25	16.22
9:11:20	8.2	25	14.31
9:11:40	8.2	25	14.31
9:12:00	8.2	25	14.31
9:12:20	8.2	25	14.31
9:12:40	8.4	25	14.71
9:13:00	8.6	25	15.06
9:13:20	7.7	25	13.56
9:13:40	7.7	25	13.56
9:14:00	7.9	25	13.91
9:14:20	7.3	25	12.81
9:14:40	7.5	25	13.16
9:15:00	8.6	25	15.06
9:15:20	7.7	25	13.56
9:15:40	7.9	25	13.91
9:16:00	7.3	25	12.81
9:16:20	7.9	25	13.91
9:16:40	7.7	25	13.56
9:17:00	6.9	25	12.06

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
9:17:20	6.4	25	11.31
9:17:40	7.1	25	12.41
9:18:00	7.5	25	13.16
9:18:20	7.7	25	13.56
9:18:40	7.1	25	12.41
9:19:00	6.6	25	11.66
9:19:20	7.3	25	12.81
9:19:40	7.1	25	12.41
9:20:00	7.7	25	13.56
9:20:20	7.7	25	13.56
9:20:40	6.4	25	11.31
9:21:00	6.6	25	11.66
9:21:20	7.1	25	12.41
9:21:40	6.9	25	12.06
9:22:00	7.3	25	12.81
9:22:20	7.7	25	13.56
9:22:40	7.9	25	13.91
9:23:00	8.2	25	14.31
9:23:20	8.4	25	14.71
9:23:40	8.4	25	14.71
9:24:00	8.6	25	15.06
9:24:20	8.6	25	15.06
9:24:40	7.9	25	13.91
9:25:00	7.7	25	13.56
9:25:20	7.5	25	13.16
9:25:40	7.3	25	12.81
9:26:00	7.1	25	12.41
9:26:20	7.5	25	13.16
9:26:40	6.6	25	11.66
9:27:00	7.1	25	12.41
9:27:20	7.3	25	12.81
9:27:40	6.9	25	12.06
9:28:00	7.1	25	12.41
9:28:20	7.3	25	12.81
9:28:40	6.6	25	11.66
9:29:00	6.9	25	12.06
9:29:20	6.4	25	11.31
9:29:40	6.9	25	12.06
9:30:00	6.6	25	11.66
9:30:20	7.1	25	12.41
9:30:40	6.4	25	11.31
9:31:00	6.6	25	11.66
9:31:20	6.9	25	12.06
9:31:40	6.9	25	12.06

Job Ref: OEH 34285
 Client Name: Dunlop
 Location: Paint Kitchen
 Date: 2-Aug-05
 Scientist: JL

Technical Details
 Instrument Type: FID
 Calibration Gas: Methane
 % Carbon: 75%
 Sample Number: 728/9
 Instrument Range: 532
 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)
9:32:00	6.2	25	10.91
9:32:20	6.2	25	10.91
9:32:40	6.9	25	12.06
9:33:00	6.9	25	12.06
9:33:20	6.2	25	10.91
9:33:40	6.4	25	11.31
9:34:00	6.4	25	11.31
9:34:20	6.4	25	11.31
9:34:40	6.2	25	10.91
9:35:00	6.4	25	11.31
9:35:20	6.0	25	10.56
9:35:40	6.9	25	12.06
9:36:00	6.2	25	10.91
9:36:20	6.4	25	11.31
9:36:40	6.6	25	11.66
9:37:00	7.1	25	12.41
9:37:20	7.5	25	13.16
9:37:40	7.5	25	13.16
9:38:00	7.9	25	13.91
9:38:20	6.9	25	12.06
9:38:40	7.3	25	12.81
9:39:00	7.1	25	12.41
9:39:20	6.9	25	12.06
9:39:40	7.1	25	12.41
9:40:00	49.1	25	86.29
9:40:20	98.3	25	172.57
9:40:40	43.4	25	76.13
9:41:00	28.3	25	49.75
9:41:20	27.4	25	48.20
9:41:40	24.9	25	43.69
9:42:00	22.3	25	39.19
9:42:20	18.4	25	32.38
9:42:40	16.5	25	29.03
9:43:00	14.8	25	25.98
9:43:20	13.1	25	22.97
9:43:40	12.2	25	21.47
9:44:00	12.0	25	21.07
9:44:20	11.1	25	19.57
9:44:40	10.5	25	18.47
9:45:00	10.3	25	18.07
9:45:20	10.5	25	18.47
9:45:40	9.7	25	16.97
9:46:00	9.9	25	17.32
9:46:20	10.1	25	17.72

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
9:46:40	10.3	25	18.07
9:47:00	9.2	25	16.22
9:47:20	9.4	25	16.57
9:47:40	9.2	25	16.22
9:48:00	9.2	25	16.22
9:48:20	8.8	25	15.47
9:48:40	9.4	25	16.57
9:49:00	8.2	25	14.31
9:49:20	9.0	25	15.82
9:49:40	9.0	25	15.82
9:50:00	8.8	25	15.47
9:50:20	9.7	25	16.97
9:50:40	8.6	25	15.06
9:51:00	8.6	25	15.06
9:51:20	8.2	25	14.31
9:51:40	7.9	25	13.91
9:52:00	7.9	25	13.91
9:52:20	8.6	25	15.06
9:52:40	8.4	25	14.71
9:53:00	7.9	25	13.91
9:53:20	8.4	25	14.71
9:53:40	8.4	25	14.71
9:54:00	8.4	25	14.71
9:54:20	8.2	25	14.31
9:54:40	7.9	25	13.91
9:55:00	8.2	25	14.31
9:55:20	8.6	25	15.06
9:55:40	7.7	25	13.56
9:56:00	7.7	25	13.56
9:56:20	7.7	25	13.56
9:56:40	7.7	25	13.56
9:57:00	7.7	25	13.56
9:57:20	7.5	25	13.16
9:57:40	7.9	25	13.91
9:58:00	7.9	25	13.91
9:58:20	8.2	25	14.31
9:58:40	7.5	25	13.16
9:59:00	7.5	25	13.16
9:59:20	7.7	25	13.56
9:59:40	7.9	25	13.91
10:00:00	7.5	25	13.16
10:00:20	7.5	25	13.16
10:00:40	7.5	25	13.16
10:01:00	7.5	25	13.16

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
10:01:20	7.1	25	12.41
10:01:40	7.5	25	13.16
10:02:00	7.5	25	13.16
10:02:20	7.5	25	13.16
10:02:40	7.5	25	13.16
10:03:00	7.7	25	13.56
10:03:20	7.3	25	12.81
10:03:40	7.3	25	12.81
10:04:00	7.5	25	13.16
10:04:20	7.1	25	12.41
10:04:40	7.1	25	12.41
10:05:00	7.1	25	12.41
10:05:20	7.3	25	12.81
10:05:40	7.9	25	13.91
10:06:00	7.5	25	13.16
10:06:20	7.3	25	12.81
10:06:40	7.1	25	12.41
10:07:00	7.1	25	12.41
10:07:20	6.9	25	12.06
10:07:40	6.6	25	11.66
10:08:00	6.6	25	11.66
10:08:20	7.1	25	12.41
10:08:40	7.1	25	12.41
10:09:00	6.6	25	11.66
10:09:20	6.9	25	12.06
10:09:40	7.1	25	12.41
10:10:00	7.1	25	12.41
10:10:20	6.9	25	12.06
10:10:40	6.9	25	12.06
10:11:00	6.9	25	12.06
10:11:20	7.5	25	13.16
10:11:40	7.5	25	13.16
10:12:00	6.9	25	12.06
10:12:20	7.1	25	12.41
10:12:40	7.5	25	13.16
10:13:00	7.1	25	12.41
10:13:20	7.3	25	12.81
10:13:40	6.9	25	12.06
10:14:00	6.9	25	12.06
10:14:20	6.9	25	12.06
10:14:40	6.4	25	11.31
10:15:00	7.1	25	12.41
10:15:20	7.5	25	13.16
10:15:40	6.2	25	10.91

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
10:16:00	6.9	25	12.06
10:16:20	7.1	25	12.41
10:16:40	6.9	25	12.06
10:17:00	7.3	25	12.81
10:17:20	6.6	25	11.66
10:17:40	6.4	25	11.31
10:18:00	6.6	25	11.66
10:18:20	7.1	25	12.41
10:18:40	6.4	25	11.31
10:19:00	6.4	25	11.31
10:19:20	7.3	25	12.81
10:19:40	7.1	25	12.41
10:20:00	7.1	25	12.41
10:20:20	7.3	25	12.81
10:20:40	6.9	25	12.06
10:21:00	7.1	25	12.41
10:21:20	6.9	25	12.06
10:21:40	6.9	25	12.06
10:22:00	7.3	25	12.81
10:22:20	7.1	25	12.41
10:22:40	7.7	25	13.56
10:23:00	6.2	25	10.91
10:23:20	6.9	25	12.06
10:23:40	6.9	25	12.06
10:24:00	6.6	25	11.66
10:24:20	7.3	25	12.81
10:24:40	6.6	25	11.66
10:25:00	6.9	25	12.06
10:25:20	6.4	25	11.31
10:25:40	6.6	25	11.66
10:26:00	6.2	25	10.91
10:26:20	6.6	25	11.66
10:26:40	6.6	25	11.66
10:27:00	6.0	25	10.56
10:27:20	6.6	25	11.66
10:27:40	6.0	25	10.56
10:28:00	6.4	25	11.31
10:28:20	6.6	25	11.66
10:28:40	6.4	25	11.31
10:29:00	6.6	25	11.66
10:29:20	6.2	25	10.91
10:29:40	6.9	25	12.06
10:30:00	6.4	25	11.31
10:30:20	6.6	25	11.66

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

Paint Kitchen

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

728/9

Instrument Range:

532

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)
10:30:40	6.4	25	11.31
10:31:00	6.4	25	11.31
10:31:20	6.4	25	11.31
10:31:40	7.1	25	12.41
10:32:00	6.4	25	11.31
10:32:20	6.4	25	11.31
10:32:40	6.6	25	11.66
10:33:00	7.1	25	12.41
10:33:20	6.0	25	10.56
10:33:40	6.6	25	11.66
10:34:00	6.6	25	11.66
10:34:20	6.9	25	12.06
10:34:40	6.2	25	10.91
10:35:00	6.6	25	11.66
10:35:20	6.4	25	11.31
10:35:40	6.6	25	11.66
10:36:00	6.9	25	12.06
10:36:20	6.9	25	12.06
10:36:40	6.6	25	11.66
10:37:00	6.4	25	11.31
10:37:20	6.6	25	11.66
10:37:40	6.2	25	10.91
10:38:00	6.6	25	11.66
10:38:20	6.4	25	11.31
10:38:40	6.0	25	10.56
10:39:00	6.4	25	11.31
10:39:20	6.2	25	10.91
10:39:40	6.6	25	11.66
10:40:00	6.4	25	11.31
10:40:20	6.6	25	11.66
10:40:40	6.4	25	11.31
10:41:00	6.6	25	11.66
10:41:20	6.9	25	12.06
10:41:40	6.0	25	10.56
10:42:00	6.4	25	11.31
10:42:20	6.4	25	11.31
10:42:40	6.6	25	11.66
10:43:00	6.2	25	10.91
10:43:20	6.2	25	10.91
10:43:40	6.6	25	11.66
10:44:00	6.6	25	11.66
10:44:20	6.4	25	11.31
10:44:40	6.6	25	11.66
10:45:00	6.9	25	12.06

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
10:45:20	6.9	25	12.06
10:45:40	6.4	25	11.31
10:46:00	6.4	25	11.31
10:46:20	6.9	25	12.06
10:46:40	6.6	25	11.66
10:47:00	6.6	25	11.66
10:47:20	6.9	25	12.06
10:47:40	6.9	25	12.06
10:48:00	6.4	25	11.31
10:48:20	6.6	25	11.66
10:48:40	6.9	25	12.06
10:49:00	6.4	25	11.31
10:49:20	6.4	25	11.31
10:49:40	7.1	25	12.41
10:50:00	6.6	25	11.66
10:50:20	6.6	25	11.66
10:50:40	6.2	25	10.91
10:51:00	7.1	25	12.41
10:51:20	7.1	25	12.41
10:51:40	6.6	25	11.66
10:52:00	6.4	25	11.31
10:52:20	6.9	25	12.06
10:52:40	7.1	25	12.41
10:53:00	6.2	25	10.91
10:53:20	6.2	25	10.91
10:53:40	6.9	25	12.06
10:54:00	6.2	25	10.91
10:54:20	6.2	25	10.91
10:54:40	6.2	25	10.91
10:55:00	6.9	25	12.06
10:55:20	6.6	25	11.66
10:55:40	6.2	25	10.91
10:56:00	6.0	25	10.56
10:56:20	6.0	25	10.56
10:56:40	6.4	25	11.31
10:57:00	6.0	25	10.56
10:57:20	6.2	25	10.91
10:57:40	6.2	25	10.91
10:58:00	7.1	25	12.41
10:58:20	6.6	25	11.66
10:58:40	6.2	25	10.91
10:59:00	6.2	25	10.91
10:59:20	6.4	25	11.31
10:59:40	6.4	25	11.31

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
11:00:00	6.6	25	11.66
11:00:20	6.4	25	11.31
11:00:40	6.4	25	11.31
11:01:00	6.4	25	11.31
11:01:20	6.0	25	10.56
11:01:40	6.6	25	11.66
11:02:00	6.6	25	11.66
11:02:20	6.4	25	11.31
11:02:40	6.4	25	11.31
11:03:00	6.6	25	11.66
11:03:20	7.1	25	12.41
11:03:40	6.0	25	10.56
11:04:00	6.4	25	11.31
11:04:20	6.4	25	11.31
11:04:40	6.4	25	11.31
11:05:00	6.0	25	10.56
11:05:20	7.1	25	12.41
11:05:40	6.9	25	12.06
11:06:00	6.6	25	11.66
11:06:20	6.6	25	11.66
11:06:40	6.6	25	11.66
11:07:00	6.0	25	10.56
11:07:20	6.2	25	10.91
11:07:40	6.4	25	11.31
11:08:00	6.9	25	12.06
11:08:20	6.4	25	11.31
11:08:40	6.2	25	10.91
11:09:00	7.1	25	12.41
11:09:20	6.9	25	12.06
11:09:40	6.0	25	10.56
11:10:00	6.6	25	11.66
11:10:20	6.2	25	10.91
11:10:40	6.2	25	10.91
11:11:00	5.8	25	10.16
11:11:20	6.0	25	10.56
11:11:40	6.4	25	11.31
11:12:00	6.2	25	10.91
11:12:20	6.0	25	10.56
11:12:40	6.6	25	11.66
11:13:00	6.0	25	10.56
11:13:20	6.9	25	12.06
11:13:40	6.2	25	10.91
11:14:00	6.6	25	11.66
11:14:20	6.4	25	11.31

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
11:14:40	6.2	25	10.91
11:15:00	6.6	25	11.66
11:15:20	6.0	25	10.56
11:15:40	6.9	25	12.06
11:16:00	6.4	25	11.31
11:16:20	6.2	25	10.91
11:16:40	6.4	25	11.31
11:17:00	6.4	25	11.31
11:17:20	6.0	25	10.56
11:17:40	6.4	25	11.31
11:18:00	6.4	25	11.31
11:18:20	7.1	25	12.41
11:18:40	7.1	25	12.41
11:19:00	7.1	25	12.41
11:19:20	7.3	25	12.81
11:19:40	6.6	25	11.66
11:20:00	6.4	25	11.31
11:20:20	6.9	25	12.06
11:20:40	6.2	25	10.91
11:21:00	6.9	25	12.06
11:21:20	6.0	25	10.56
11:21:40	6.6	25	11.66
11:22:00	6.6	25	11.66
11:22:20	6.6	25	11.66
11:22:40	6.4	25	11.31
11:23:00	6.2	25	10.91
11:23:20	6.9	25	12.06
11:23:40	7.3	25	12.81
11:24:00	6.9	25	12.06
11:24:20	6.4	25	11.31
11:24:40	6.0	25	10.56
11:25:00	7.1	25	12.41
11:25:20	6.2	25	10.91
11:25:40	6.6	25	11.66
11:26:00	6.4	25	11.31
11:26:20	6.6	25	11.66
11:26:40	7.1	25	12.41
11:27:00	6.4	25	11.31
11:27:20	6.9	25	12.06
11:27:40	6.0	25	10.56
11:28:00	6.0	25	10.56
11:28:20	6.4	25	11.31
11:28:40	6.4	25	11.31
11:29:00	6.4	25	11.31

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
11:29:20	6.4	25	11.31
11:29:40	6.6	25	11.66
11:30:00	6.6	25	11.66
11:30:20	6.9	25	12.06
11:30:40	49.8	25	87.39
11:31:00	27.7	25	48.60
11:31:20	21.9	25	38.44
11:31:40	99.1	25	174.07
11:32:00	46.1	25	80.98
11:32:20	25.7	25	45.19
11:32:40	116.3	25	204.20
11:33:00	33.3	25	58.41
11:33:20	20.8	25	36.54
11:33:40	18.7	25	32.78
11:34:00	23.8	25	41.84
11:34:20	22.1	25	38.79
11:34:40	21.7	25	38.04
11:35:00	65.9	25	115.66
11:35:20	22.3	25	39.19
11:35:40	17.2	25	30.13
11:36:00	15.2	25	26.73
11:36:20	15.0	25	26.38
11:36:40	14.2	25	24.87
11:37:00	13.9	25	24.47
11:37:20	13.1	25	22.97
11:37:40	12.5	25	21.87
11:38:00	11.8	25	20.72
11:38:20	11.8	25	20.72
11:38:40	11.1	25	19.57
11:39:00	11.8	25	20.72
11:39:20	12.0	25	21.07
11:39:40	11.1	25	19.57
11:40:00	10.9	25	19.22
11:40:20	11.4	25	19.97
11:40:40	10.5	25	18.47
11:41:00	9.7	25	16.97
11:41:20	9.9	25	17.32
11:41:40	10.1	25	17.72
11:42:00	10.3	25	18.07
11:42:20	10.3	25	18.07
11:42:40	10.3	25	18.07
11:43:00*	10.3	25	18.07
11:43:20	9.4	25	16.57
11:43:40	9.7	25	16.97

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
11:44:00	8.8	25	15.47
11:44:20	10.1	25	17.72
11:44:40	9.9	25	17.32
11:45:00	9.2	25	16.22
11:45:20	9.7	25	16.97
11:45:40	9.0	25	15.82
11:46:00	9.4	25	16.57
11:46:20	8.8	25	15.47
11:46:40	9.4	25	16.57
11:47:00	8.8	25	15.47
11:47:20	8.8	25	15.47
11:47:40	8.4	25	14.71
11:48:00	8.4	25	14.71
11:48:20	8.4	25	14.71
11:48:40	9.2	25	16.22
11:49:00	8.6	25	15.06
11:49:20	8.6	25	15.06
11:49:40	8.8	25	15.47
11:50:00	8.2	25	14.31
11:50:20	8.6	25	15.06
11:50:40	8.4	25	14.71
11:51:00	9.2	25	16.22
11:51:20	8.4	25	14.71
11:51:40	8.4	25	14.71
11:52:00	8.2	25	14.31
11:52:20	8.2	25	14.31
11:52:40	8.6	25	15.06
11:53:00	8.6	25	15.06
11:53:20	7.5	25	13.16
11:53:40	7.9	25	13.91
11:54:00	7.9	25	13.91
11:54:20	7.7	25	13.56
11:54:40	8.2	25	14.31
11:55:00	8.2	25	14.31
11:55:20	7.7	25	13.56
11:55:40	7.7	25	13.56
11:56:00	7.9	25	13.91
11:56:20	7.3	25	12.81
11:56:40	7.9	25	13.91
11:57:00	7.5	25	13.16
11:57:20	7.3	25	12.81
11:57:40	6.9	25	12.06
11:58:00	7.5	25	13.16
11:58:20	7.1	25	12.41

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

Paint Kitchen

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

728/9

Instrument Range:

532

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)
11:58:40	7.3	25	12.81
11:59:00	6.9	25	12.06
11:59:20	7.1	25	12.41
11:59:40	6.9	25	12.06
12:00:00	7.3	25	12.81
12:00:20	6.9	25	12.06
12:00:40	7.3	25	12.81
12:01:00	7.3	25	12.81
12:01:20	7.3	25	12.81
12:01:40	7.1	25	12.41
12:02:00	7.3	25	12.81
12:02:20	6.6	25	11.66
12:02:40	6.6	25	11.66
12:03:00	7.1	25	12.41
12:03:20	6.6	25	11.66
12:03:40	7.1	25	12.41
12:04:00	6.9	25	12.06
12:04:20	6.9	25	12.06
12:04:40	6.4	25	11.31
12:05:00	6.6	25	11.66
12:05:20	6.6	25	11.66
12:05:40	6.9	25	12.06
12:06:00	6.9	25	12.06
12:06:20	6.4	25	11.31
12:06:40	6.6	25	11.66
12:07:00	6.2	25	10.91
12:07:20	6.6	25	11.66
12:07:40	6.6	25	11.66
12:08:00	6.9	25	12.06
12:08:20	6.2	25	10.91
12:08:40	6.6	25	11.66
12:09:00	6.6	25	11.66
12:09:20	6.4	25	11.31
12:09:40	44.4	25	77.98
12:10:00	40.6	25	71.22
12:10:20	23.4	25	41.04
12:10:40	74.3	25	130.38
12:11:00	84.7	25	148.80
12:11:20	124.0	25	217.77
12:11:40	156.2	25	274.27
12:12:00	104.7	25	183.83
12:12:20	85.0	25	149.20
12:12:40	47.0	25	82.53
12:13:00	36.5	25	64.06

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

Paint Kitchen

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

728/9

Instrument Range:

532

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)
12:13:20	32.6	25	57.26
12:13:40	35.0	25	61.41
12:14:00	28.3	25	49.75
12:14:20	26.2	25	45.95
12:14:40	24.3	25	42.59
12:15:00	22.9	25	40.29
12:15:20	21.5	25	37.69
12:15:40	21.5	25	37.69
12:16:00	18.4	25	32.38
12:16:20	18.7	25	32.78
12:16:40	18.9	25	33.13
12:17:00	17.4	25	30.53
12:17:20	15.9	25	27.88
12:17:40	16.5	25	29.03
12:18:00	15.6	25	27.48
12:18:20	15.4	25	27.13
12:18:40	14.2	25	24.87
12:19:00	14.2	25	24.87
12:19:20	14.2	25	24.87
12:19:40	13.3	25	23.37
12:20:00	12.0	25	21.07
12:20:20	10.9	25	19.22
12:20:40	10.7	25	18.82
12:21:00	11.8	25	20.72
12:21:20	10.3	25	18.07
12:21:40	9.2	25	16.22
12:22:00	9.4	25	16.57
12:22:20	9.2	25	16.22
12:22:40	9.9	25	17.32
12:23:00	9.0	25	15.82
12:23:20	10.1	25	17.72
12:23:40	8.8	25	15.47
12:24:00	8.8	25	15.47
12:24:20	8.8	25	15.47
12:24:40	8.8	25	15.47
12:25:00	9.0	25	15.82
12:25:20	9.2	25	16.22
12:25:40	9.4	25	16.57
12:26:00	8.6	25	15.06
12:26:20	9.9	25	17.32
12:26:40	9.9	25	17.32
12:27:00	9.9	25	17.32
12:27:20	9.4	25	16.57
12:27:40	10.1	25	17.72

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
12:28:00	9.2	25	16.22
12:28:20	9.0	25	15.82
12:28:40	9.0	25	15.82
12:29:00	8.8	25	15.47
12:29:20	9.4	25	16.57
12:29:40	10.9	25	19.22
12:30:00	10.9	25	19.22
12:30:20	11.1	25	19.57
12:30:40	10.3	25	18.07
12:31:00	10.3	25	18.07
12:31:20	10.3	25	18.07
12:31:40	10.5	25	18.47
12:32:00	10.9	25	19.22
12:32:20	10.9	25	19.22
12:32:40	9.9	25	17.32
12:33:00	10.3	25	18.07
12:33:20	9.7	25	16.97
12:33:40	9.4	25	16.57
12:34:00	10.1	25	17.72
12:34:20	10.1	25	17.72
12:34:40	8.8	25	15.47
12:35:00	10.1	25	17.72
12:35:20	10.1	25	17.72
12:35:40	9.7	25	16.97
12:36:00	9.7	25	16.97
12:36:20	9.2	25	16.22
12:36:40	9.2	25	16.22
12:37:00	9.4	25	16.57
12:37:20	9.0	25	15.82
12:37:40	9.2	25	16.22
12:38:00	9.0	25	15.82
12:38:20	8.4	25	14.71
12:38:40	8.2	25	14.31
12:39:00	8.4	25	14.71
12:39:20	8.6	25	15.06
12:39:40	8.6	25	15.06
12:40:00	8.4	25	14.71
12:40:20	8.6	25	15.06
12:40:40	8.4	25	14.71
12:41:00	8.6	25	15.06
12:41:20	8.4	25	14.71
12:41:40	8.4	25	14.71
12:42:00	8.6	25	15.06
12:42:20	8.2	25	14.31

Job Ref: OEH 34285
Client Name: Dunlop
Location: Paint Kitchen
Date: 2-Aug-05
Scientist: JL

Technical Details
Instrument Type: FID
Calibration Gas: Methane
% Carbon: 75%
Sample Number: 728/9
Instrument Range: 532
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)
12:42:40	8.8	25	15.47
12:43:00	8.4	25	14.71
12:43:20	8.8	25	15.47
12:43:40	8.2	25	14.31
12:44:00	8.6	25	15.06
12:44:20	7.7	25	13.56
12:44:40	7.9	25	13.91
12:45:00	7.7	25	13.56
12:45:20	7.3	25	12.81
12:45:40	7.7	25	13.56
12:46:00	7.7	25	13.56
12:46:20	7.9	25	13.91
12:46:40	7.3	25	12.81
12:47:00	7.5	25	13.16
12:47:20	7.3	25	12.81
12:47:40	7.7	25	13.56
12:48:00	7.7	25	13.56
12:48:20	8.2	25	14.31
12:48:40	7.9	25	13.91
12:49:00	7.7	25	13.56
12:49:20	7.7	25	13.56
12:49:40	8.2	25	14.31
12:50:00	7.1	25	12.41
12:50:20	7.7	25	13.56
12:50:40	8.2	25	14.31
12:51:00	7.5	25	13.16
12:51:20	7.9	25	13.91
12:51:40	7.3	25	12.81
12:52:00	7.7	25	13.56
12:52:20	7.7	25	13.56
12:52:40	8.4	25	14.71
12:53:00	7.3	25	12.81
12:53:20	7.5	25	13.16
12:53:40	7.5	25	13.16
12:54:00	7.7	25	13.56
12:54:20	7.7	25	13.56
12:54:40	7.3	25	12.81
12:55:00	7.7	25	13.56
12:55:20	7.1	25	12.41
12:55:40	7.5	25	13.16
12:56:00	7.7	25	13.56
12:56:20	7.7	25	13.56
12:56:40	7.5	25	13.16
12:57:00	7.3	25	12.81

VOC Emission Data

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

Paint Kitchen

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

728/9

Instrument Range:

532

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)
12:57:20	7.1	25	12.41
12:57:40	7.5	25	13.16
12:58:00	7.1	25	12.41
12:58:20	7.3	25	12.81
12:58:40	7.1	25	12.41
12:59:00	7.5	25	13.16
12:59:20	7.3	25	12.81
12:59:40	7.7	25	13.56
13:00:00	6.4	25	11.31
13:00:20	7.3	25	12.81
13:00:40	7.1	25	12.41
13:01:00	7.1	25	12.41
13:01:20	7.3	25	12.81
13:01:40	7.1	25	12.41
13:02:00	7.5	25	13.16
13:02:20	7.3	25	12.81
13:02:40	7.1	25	12.41
13:03:00	7.9	25	13.91
13:03:20	7.3	25	12.81
13:03:40	6.9	25	12.06
13:04:00	6.4	25	11.31
13:04:20	7.5	25	13.16
13:04:40	7.1	25	12.41
13:05:00	6.6	25	11.66
13:05:20	7.5	25	13.16
13:05:40	10.7	25	18.82
13:06:00	32.2	25	56.51
13:06:20	15.9	25	27.88
13:06:40	13.3	25	23.37
13:07:00	11.8	25	20.72
13:07:20	10.7	25	18.82
13:07:40	10.9	25	19.22
13:08:00	9.0	25	15.82
13:08:20	9.4	25	16.57
13:08:40	9.0	25	15.82
13:09:00	8.4	25	14.71
13:09:20	8.2	25	14.31
13:09:40	7.7	25	13.56
13:10:00	7.3	25	12.81
13:10:20	7.5	25	13.16
13:10:40	6.9	25	12.06
13:11:00	6.9	25	12.06
13:11:20	6.9	25	12.06
13:11:40	6.6	25	11.66

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
13:12:00	6.9	25	12.06
13:12:20	6.6	25	11.66
13:12:40	6.4	25	11.31
13:13:00	6.2	25	10.91
13:13:20	6.4	25	11.31
13:13:40	6.6	25	11.66
13:14:00	6.2	25	10.91
13:14:20	7.5	25	13.16
13:14:40	6.9	25	12.06
13:15:00	6.6	25	11.66
13:15:20	5.8	25	10.16
13:15:40	6.4	25	11.31
13:16:00	6.4	25	11.31
13:16:20	6.6	25	11.66
13:16:40	6.4	25	11.31
13:17:00	6.2	25	10.91
13:17:20	6.4	25	11.31
13:17:40	6.2	25	10.91
13:18:00	5.8	25	10.16
13:18:20	6.2	25	10.91
13:18:40	6.2	25	10.91
13:19:00	5.8	25	10.16
13:19:20	6.0	25	10.56
13:19:40	5.8	25	10.16
13:20:00	6.6	25	11.66
13:20:20	6.4	25	11.31
13:20:40	5.8	25	10.16
13:21:00	6.0	25	10.56
13:21:20	5.8	25	10.16
13:21:40	6.2	25	10.91
13:22:00	5.4	25	9.41
13:22:20	5.6	25	9.81
13:22:40	6.0	25	10.56
13:23:00	6.0	25	10.56
13:23:20	5.6	25	9.81
13:23:40	6.2	25	10.91
13:24:00	6.2	25	10.91
13:24:20	6.2	25	10.91
13:24:40	6.2	25	10.91
13:25:00	5.8	25	10.16
13:25:20	6.2	25	10.91
13:25:40	6.9	25	12.06
13:26:00	6.2	25	10.91
13:26:20	6.6	25	11.66

Job Ref: OEH 34285
Client Name: Dunlop
Location: Paint Kitchen
Date: 2-Aug-05
Scientist: JL

Technical Details

Instrument Type: FID
Calibration Gas: Methane
% Carbon: 75%
Sample Number: 728/9
Instrument Range: 532
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)
13:26:40	6.4	25	11.31
13:27:00	6.2	25	10.91
13:27:20	6.0	25	10.56
13:27:40	6.2	25	10.91
13:28:00	6.6	25	11.66
13:28:20	6.2	25	10.91
13:28:40	6.4	25	11.31
13:29:00	6.0	25	10.56
13:29:20	6.6	25	11.66
13:29:40	6.0	25	10.56
13:30:00	6.9	25	12.06
13:30:20	6.4	25	11.31
13:30:40	6.0	25	10.56
13:31:00	6.2	25	10.91
13:31:20	6.2	25	10.91
13:31:40	6.0	25	10.56
13:32:00	6.4	25	11.31
13:32:20	6.4	25	11.31
13:32:40	6.2	25	10.91
13:33:00	6.4	25	11.31
13:33:20	6.2	25	10.91
13:33:40	6.0	25	10.56
13:34:00	6.4	25	11.31
13:34:20	6.2	25	10.91
13:34:40	6.0	25	10.56
13:35:00	5.8	25	10.16
13:35:20	6.6	25	11.66
13:35:40	6.4	25	11.31
13:36:00	6.4	25	11.31
13:36:20	6.4	25	11.31
13:36:40	6.2	25	10.91
13:37:00	6.4	25	11.31
13:37:20	6.6	25	11.66
13:37:40	6.6	25	11.66
13:38:00	6.4	25	11.31
13:38:20	6.2	25	10.91
13:38:40	5.8	25	10.16
13:39:00	7.1	25	12.41
13:39:20	6.2	25	10.91
13:39:40	6.0	25	10.56
13:40:00	6.0	25	10.56
13:40:20	6.0	25	10.56
13:40:40	6.2	25	10.91
13:41:00	6.4	25	11.31

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
13:41:20	6.2	25	10.91
13:41:40	6.9	25	12.06
13:42:00	6.6	25	11.66
13:42:20	6.2	25	10.91
13:42:40	6.0	25	10.56
13:43:00	5.8	25	10.16
13:43:20	6.0	25	10.56
13:43:40	6.0	25	10.56
13:44:00	6.0	25	10.56
13:44:20	6.2	25	10.91
13:44:40	6.0	25	10.56
13:45:00	6.2	25	10.91
13:45:20	5.8	25	10.16
13:45:40	5.8	25	10.16
13:46:00	6.2	25	10.91
13:46:20	5.8	25	10.16
13:46:40	6.2	25	10.91
13:47:00	6.4	25	11.31
13:47:20	6.2	25	10.91
13:47:40	6.4	25	11.31
13:48:00	6.6	25	11.66
13:48:20	6.4	25	11.31
13:48:40	6.2	25	10.91
13:49:00	6.4	25	11.31
13:49:20	6.0	25	10.56
13:49:40	6.0	25	10.56
13:50:00	5.6	25	9.81
13:50:20	6.4	25	11.31
13:50:40	6.2	25	10.91
13:51:00	6.6	25	11.66
13:51:20	6.9	25	12.06
13:51:40	6.4	25	11.31
13:52:00	5.8	25	10.16
13:52:20	7.1	25	12.41
13:52:40	6.0	25	10.56
13:53:00	6.2	25	10.91
13:53:20	6.2	25	10.91
13:53:40	6.2	25	10.91
13:54:00	6.2	25	10.91
13:54:20	6.2	25	10.91
13:54:40	6.6	25	11.66
13:55:00	6.2	25	10.91
13:55:20	6.4	25	11.31
13:55:40	6.4	25	11.31

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
13:56:00	6.2	25	10.91
13:56:20	6.2	25	10.91
13:56:40	6.6	25	11.66
13:57:00	8.8	25	15.47
13:57:20	9.9	25	17.32
13:57:40	9.4	25	16.57
13:58:00	9.4	25	16.57
13:58:20	10.3	25	18.07
13:58:40	9.7	25	16.97
13:59:00	12.2	25	21.47
13:59:20	41.8	25	73.47
13:59:40	31.3	25	55.00
14:00:00	29.0	25	50.85
14:00:20	33.5	25	58.76
14:00:40	18.0	25	31.63
14:01:00	12.5	25	21.87
14:01:20	11.1	25	19.57
14:01:40	10.9	25	19.22
14:02:00	10.3	25	18.07
14:02:20	10.3	25	18.07
14:02:40	10.3	25	18.07
14:03:00	10.1	25	17.72
14:03:20	9.9	25	17.32
14:03:40	9.7	25	16.97
14:04:00	10.5	25	18.47
14:04:20	9.9	25	17.32
14:04:40	9.4	25	16.57
14:05:00	9.2	25	16.22
14:05:20	9.7	25	16.97
14:05:40	10.1	25	17.72
14:06:00	10.1	25	17.72
14:06:20	9.4	25	16.57
14:06:40	10.3	25	18.07
14:07:00	8.6	25	15.06
14:07:20	8.6	25	15.06
14:07:40	9.0	25	15.82
14:08:00	9.4	25	16.57
14:08:20	9.9	25	17.32
14:08:40	9.4	25	16.57
14:09:00	9.0	25	15.82
14:09:20	8.8	25	15.47
14:09:40	8.6	25	15.06
14:10:00	8.8	25	15.47
14:10:20	9.0	25	15.82

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
14:10:40	8.8	25	15.47
14:11:00	8.8	25	15.47
14:11:20	8.8	25	15.47
14:11:40	8.8	25	15.47
14:12:00	8.8	25	15.47
14:12:20	8.8	25	15.47
14:12:40	8.2	25	14.31
14:13:00	8.6	25	15.06
14:13:20	9.0	25	15.82
14:13:40	8.8	25	15.47
14:14:00	7.9	25	13.91
14:14:20	8.2	25	14.31
14:14:40	7.9	25	13.91
14:15:00	8.4	25	14.71
14:15:20	8.8	25	15.47
14:15:40	8.8	25	15.47
14:16:00	8.4	25	14.71
14:16:20	8.6	25	15.06
14:16:40	7.5	25	13.16
14:17:00	8.4	25	14.71
14:17:20	8.6	25	15.06
14:17:40	7.9	25	13.91
14:18:00	7.5	25	13.16
14:18:20	7.7	25	13.56
14:18:40	7.5	25	13.16
14:19:00	7.3	25	12.81
14:19:20	8.2	25	14.31
14:19:40	7.7	25	13.56
14:20:00	8.2	25	14.31
14:20:20	8.2	25	14.31
14:20:40	7.5	25	13.16
14:21:00	7.3	25	12.81
14:21:20	8.8	25	15.47
14:21:40	7.7	25	13.56
14:22:00	7.3	25	12.81
14:22:20	7.7	25	13.56
14:22:40	7.3	25	12.81
14:23:00	7.7	25	13.56
14:23:20	8.2	25	14.31
14:23:40	7.1	25	12.41
14:24:00	6.9	25	12.06
14:24:20	6.6	25	11.66
14:24:40	7.7	25	13.56
14:25:00	7.1	25	12.41

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
14:25:20	7.5	25	13.16
14:25:40	7.3	25	12.81
14:26:00	7.1	25	12.41
14:26:20	7.3	25	12.81
14:26:40	6.6	25	11.66
14:27:00	7.1	25	12.41
14:27:20	7.1	25	12.41
14:27:40	6.9	25	12.06
14:28:00	7.5	25	13.16
14:28:20	7.5	25	13.16
14:28:40	6.4	25	11.31
14:29:00	6.9	25	12.06
14:29:20	7.3	25	12.81
14:29:40	6.9	25	12.06
14:30:00	74.3	25	130.38
14:30:20	60.3	25	105.85
14:30:40	30.9	25	54.25
14:31:00	21.5	25	37.69
14:31:20	16.7	25	29.38
14:31:40	13.7	25	24.12
14:32:00	12.7	25	22.22
14:32:20	13.1	25	22.97
14:32:40	139.0	25	244.14
14:33:00	225.1	25	395.19
14:33:20	75.5	25	132.63
14:33:40	59.4	25	104.35
14:34:00	109.7	25	192.54
14:34:20	139.7	25	245.24
14:34:40	130.0	25	228.33
14:35:00	81.8	25	143.54
14:35:20	52.1	25	91.54
14:35:40	49.8	25	87.39
14:36:00	69.7	25	122.42
14:36:20	52.8	25	92.69
14:36:40	25.1	25	44.09
14:37:00	26.2	25	45.95
14:37:20	23.6	25	41.44
14:37:40	23.4	25	41.04
14:38:00	40.3	25	70.82
14:38:20	23.6	25	41.44
14:38:40	16.5	25	29.03
14:39:00	13.5	25	23.72
14:39:20	14.2	25	24.87
14:39:40	15.4	25	27.13

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

Paint Kitchen

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

728/9

Instrument Range:

532

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)
14:40:00	13.5	25	23.72
14:40:20	11.8	25	20.72
14:40:40	11.6	25	20.32
14:41:00	10.3	25	18.07
14:41:20	12.2	25	21.47
14:41:40	12.0	25	21.07
14:42:00	8.8	25	15.47
14:42:20	8.6	25	15.06
14:42:40	8.8	25	15.47
14:43:00	11.8	25	20.72
14:43:20	10.7	25	18.82
14:43:40	13.1	25	22.97
14:44:00	8.4	25	14.71
14:44:20	10.7	25	18.82
14:44:40	10.3	25	18.07
14:45:00	9.7	25	16.97
14:45:20	13.3	25	23.37
14:45:40	11.4	25	19.97
14:46:00	9.4	25	16.57
14:46:20	15.2	25	26.73
14:46:40	8.6	25	15.06
14:47:00	11.4	25	19.97
14:47:20	8.8	25	15.47
14:47:40	7.7	25	13.56
14:48:00	8.8	25	15.47
14:48:20	8.2	25	14.31
14:48:40	15.4	25	27.13
14:49:00	15.4	25	27.13
14:49:20	8.6	25	15.06
14:49:40	10.9	25	19.22
14:50:00	8.2	25	14.31
14:50:20	11.1	25	19.57
14:50:40	8.8	25	15.47
14:51:00	7.3	25	12.81
14:51:20	9.0	25	15.82
14:51:40	9.0	25	15.82
14:52:00	7.7	25	13.56
14:52:20	8.4	25	14.71
14:52:40	8.4	25	14.71
14:53:00	7.9	25	13.91
14:53:20	7.3	25	12.81
14:53:40	7.3	25	12.81
14:54:00	8.6	25	15.06
14:54:20	13.5	25	23.72

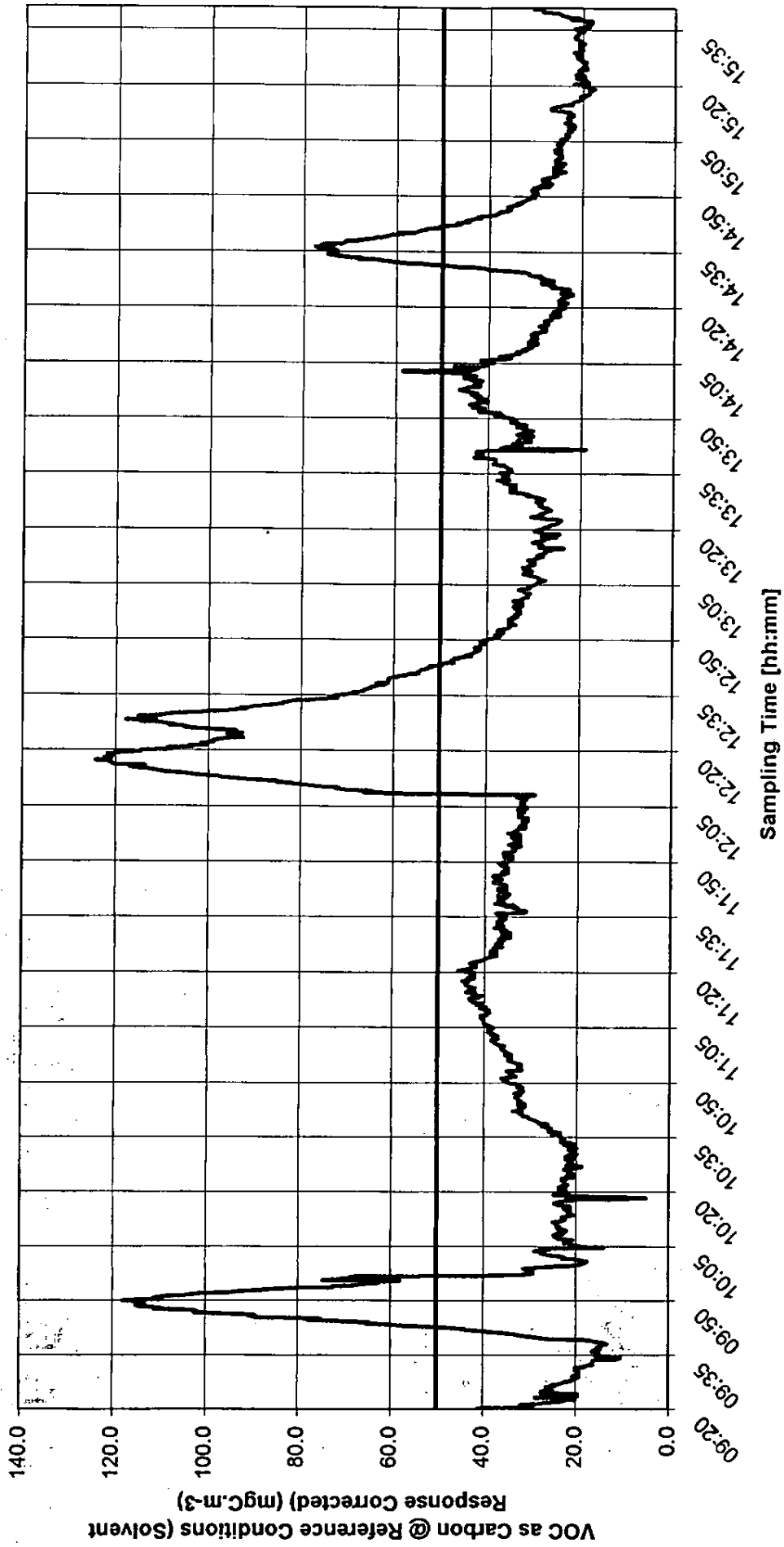
Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		Emission Limit:	50

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)
14:54:40	10.7	25	18.82
14:55:00	8.8	25	15.47
14:55:20	8.2	25	14.31
14:55:40	7.5	25	13.16
14:56:00	11.1	25	19.57
14:56:20	8.6	25	15.06
14:56:40	7.5	25	13.16
14:57:00	7.7	25	13.56
14:57:20	7.1	25	12.41
14:57:40	6.0	25	10.56
14:58:00	6.6	25	11.66
14:58:20	7.1	25	12.41
14:58:40	7.1	25	12.41
14:59:00	6.4	25	11.31
14:59:20	7.3	25	12.81
14:59:40	10.1	25	17.72
15:00:00	6.9	25	12.06
15:00:20	7.3	25	12.81
15:00:40	8.2	25	14.31
15:01:00	7.1	25	12.41
15:01:20	7.1	25	12.41
15:01:40	7.3	25	12.81
15:02:00	7.1	25	12.41
15:02:20	7.3	25	12.81
15:02:40	8.4	25	14.71
15:03:00	7.1	25	12.41
15:03:20	7.9	25	13.91
15:03:40	6.0	25	10.56
15:04:00	7.9	25	13.91
15:04:20	6.2	25	10.91
15:04:40	6.9	25	12.06
15:05:00	6.0	25	10.56
15:05:20	6.6	25	11.66
15:05:40	6.9	25	12.06
15:06:00	7.1	25	12.41
15:06:20	6.6	25	11.66
15:06:40	6.0	25	10.56
15:07:00	6.6	25	11.66
15:07:20	7.7	25	13.56
15:07:40	6.6	25	11.66
15:08:00	6.6	25	11.66
15:08:20	7.1	25	12.41
15:08:40	6.2	25	10.91
15:09:00	7.1	25	12.41

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	Paint Kitchen	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	728/9
		Instrument Range:	532
		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)
15:09:20	7.7	25	13.56
15:09:40	7.1	25	12.41
15:10:00	7.1	25	12.41
15:10:20	7.1	25	12.41
15:10:40	6.4	25	11.31
15:11:00	6.6	25	11.66
15:11:20	6.0	25	10.56
15:11:40	7.5	25	13.16
Average	11.4		19.9

VOC Profiling Data - Dunlop Ltd
Wheel & Brake - Curing Oven - (02/08/2005)



— Emission Concentration

— Emission Limit

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
9:20:00	10.7	74	41.03
9:20:15	7.8	74	29.75
9:20:30	7.6	74	29.14
9:20:45	7.8	74	29.78
9:21:00	8.3	74	31.79
9:21:15	7.3	74	27.93
9:21:30	7.1	74	27.22
9:21:45	6.6	74	25.25
9:22:00	5.9	74	22.65
9:22:15	5.8	74	22.04
9:22:30	5.2	74	20.07
9:22:45	5.2	74	20.09
9:23:00	7.5	74	28.69
9:23:15	6.1	74	23.37
9:23:30	5.1	74	19.51
9:23:45	5.1	74	19.53
9:24:00	5.1	74	19.55
9:24:15	7.2	74	27.42
9:24:30	6.8	74	26.18
9:24:45	7.2	74	27.45
9:25:00	6.5	74	24.85
9:25:15	6.7	74	25.50
9:25:30	6.9	74	26.25
9:25:45	6.9	74	26.27
9:26:00	6.9	74	26.29
9:26:15	6.3	74	24.32
9:26:30	6.5	74	24.96
9:26:45	6.2	74	23.62
9:27:00	6.0	74	23.01
9:27:15	5.8	74	22.40
9:27:30	5.5	74	21.06
9:27:45	5.5	74	21.07
9:28:00	5.3	74	20.46
9:28:15	5.2	74	19.85
9:28:30	5.2	74	19.87
9:28:45	5.0	74	19.16
9:29:00	5.4	74	20.54
9:29:15	5.2	74	19.93
9:29:30	5.0	74	19.21
9:29:45	5.0	74	19.23
9:30:00	5.0	74	19.25
9:30:15	5.0	74	19.26
9:30:30	5.0	74	19.28
9:30:45	5.2	74	20.03

VOC Emission Data

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
9:31:00	5.0	74	19.32
9:31:15	5.2	74	20.07
9:31:30	4.7	74	18.10
9:31:45	4.7	74	18.12
9:32:00	4.5	74	17.40
9:32:15	4.2	74	16.16
9:32:30	4.2	74	16.18
9:32:45	4.2	74	16.20
9:33:00	4.2	74	16.22
9:33:15	4.2	74	16.23
9:33:30	4.1	74	15.62
9:33:45	2.9	74	10.93
9:34:00	2.7	74	10.32
9:34:15	2.7	74	10.34
9:34:30	3.7	74	14.34
9:34:45	4.1	74	15.71
9:35:00	4.1	74	15.73
9:35:15	3.9	74	15.02
9:35:30	3.9	74	15.04
9:35:45	4.3	74	16.41
9:36:00	3.9	74	15.07
9:36:15	4.1	74	15.82
9:36:30	3.8	74	14.48
9:36:45	3.9	74	15.12
9:37:00	4.0	74	15.14
9:37:15	3.8	74	14.53
9:37:30	3.8	74	14.55
9:37:45	3.4	74	13.21
9:38:00	3.6	74	13.96
9:38:15	3.6	74	13.98
9:38:30	4.2	74	15.98
9:38:45	4.3	74	16.63
9:39:00	4.7	74	17.90
9:39:15	6.8	74	25.88
9:39:30	7.3	74	27.88
9:39:45	7.6	74	29.26
9:40:00	8.0	74	30.54
9:40:15	8.3	74	31.91
9:40:30	8.7	74	33.19
9:40:45	9.2	74	35.19
9:41:00	9.5	74	36.57
9:41:15	10.2	74	39.21
9:41:30	10.8	74	41.21
9:41:45	11.4	74	43.85

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
9:42:00	11.5	74	43.87
9:42:15	12.0	74	45.87
9:42:30	13.2	74	50.50
9:42:45	14.1	74	53.86
9:43:00	14.9	74	57.13
9:43:15	15.6	74	59.76
9:43:30	17.0	74	65.12
9:43:45	16.8	74	64.51
9:44:00	18.0	74	69.13
9:44:15	18.6	74	71.14
9:44:30	20.3	74	77.75
9:44:45	19.6	74	75.05
9:45:00	21.5	74	82.39
9:45:15	23.2	74	89.00
9:45:30	23.6	74	90.28
9:45:45	23.2	74	89.04
9:46:00	24.4	74	93.66
9:46:15	25.1	74	96.30
9:46:30	26.7	74	102.28
9:46:45	26.5	74	101.57
9:47:00	26.7	74	102.32
9:47:15	27.2	74	104.32
9:47:30	29.0	74	110.94
9:47:45	28.6	74	109.59
9:48:00	29.3	74	112.23
9:48:15	29.8	74	114.24
9:48:30	30.0	74	114.88
9:48:45	30.0	74	114.90
9:49:00	29.5	74	113.03
9:49:15	29.7	74	113.68
9:49:30	29.7	74	113.70
9:49:45	30.7	74	117.69
9:50:00	30.0	74	114.99
9:50:15	28.5	74	109.15
9:50:30	29.0	74	111.15
9:50:45	28.8	74	110.44
9:51:00	28.3	74	108.47
9:51:15	27.5	74	105.24
9:51:30	27.0	74	103.27
9:51:45	26.4	74	101.30
9:52:00	24.7	74	94.72
9:52:15	24.6	74	94.11
9:52:30	23.9	74	91.51
9:52:45	22.9	74	87.55

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
9:53:00	22.2	74	84.95
9:53:15	21.0	74	80.37
9:53:30	18.9	74	72.43
9:53:45	18.9	74	72.45
9:54:00	17.7	74	67.86
9:54:15	17.2	74	65.89
9:54:30	17.0	74	65.28
9:54:45	16.3	74	62.58
9:55:00	16.5	74	63.33
9:55:15	15.1	74	58.01
9:55:30	19.5	74	74.56
9:55:45	18.6	74	71.23
9:56:00	17.8	74	68.00
9:56:15	17.9	74	68.65
9:56:30	17.8	74	68.04
9:56:45	10.2	74	39.06
9:57:00	8.3	74	31.75
9:57:15	7.8	74	29.78
9:57:30	7.6	74	29.17
9:57:45	8.0	74	30.55
9:58:00	7.6	74	29.21
9:58:15	7.8	74	29.86
9:58:30	8.0	74	30.61
9:58:45	8.2	74	31.25
9:59:00	7.5	74	28.65
9:59:15	6.4	74	24.69
9:59:30	5.6	74	21.36
9:59:45	5.3	74	20.12
10:00:00	4.9	74	18.78
10:00:15	4.7	74	18.17
10:00:30	4.7	74	18.19
10:00:45	4.6	74	17.58
10:01:00	4.9	74	18.85
10:01:15	5.3	74	20.23
10:01:30	6.0	74	22.87
10:01:45	5.8	74	22.26
10:02:00	6.0	74	22.90
10:02:15	6.5	74	24.91
10:02:30	6.7	74	25.55
10:02:45	7.0	74	26.93
10:03:00	7.2	74	27.58
10:03:15	7.0	74	26.97
10:03:30	7.6	74	28.98
10:03:45	7.0	74	27.01

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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	6.7	74	25.66
10:04:15	7.2	74	27.67
10:04:30	3.6	74	13.87
10:04:45	5.5	74	21.11
10:05:00	5.0	74	19.14
10:05:15	5.5	74	21.15
10:05:30	5.5	74	21.16
10:05:45	5.9	74	22.54
10:06:00	5.5	74	21.20
10:06:15	5.5	74	21.22
10:06:30	5.4	74	20.61
10:06:45	5.7	74	21.88
10:07:00	6.2	74	23.89
10:07:15	6.2	74	23.91
10:07:30	6.4	74	24.66
10:07:45	6.1	74	23.31
10:08:00	6.4	74	24.69
10:08:15	5.9	74	22.72
10:08:30	6.3	74	24.00
10:08:45	5.9	74	22.76
10:09:00	5.8	74	22.04
10:09:15	5.8	74	22.06
10:09:30	6.0	74	22.81
10:09:45	6.1	74	23.46
10:10:00	6.3	74	24.10
10:10:15	6.1	74	23.49
10:10:30	6.3	74	24.14
10:10:45	6.3	74	24.16
10:11:00	6.3	74	24.18
10:11:15	6.3	74	24.19
10:11:30	6.5	74	24.94
10:11:45	6.2	74	23.60
10:12:00	6.0	74	22.99
10:12:15	5.8	74	22.28
10:12:30	5.8	74	22.29
10:12:45	6.0	74	23.05
10:13:00	5.8	74	22.33
10:13:15	5.7	74	21.72
10:13:30	5.3	74	20.38
10:13:45	5.5	74	21.13
10:14:00	5.7	74	21.77
10:14:15	5.5	74	21.16
10:14:30	5.7	74	21.81
10:14:45	5.7	74	21.83

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
10:15:00	5.5	74	21.22
10:15:15	5.9	74	22.49
10:15:30	5.9	74	22.51
10:15:45	5.9	74	22.53
10:16:00	5.6	74	21.29
10:16:15	6.2	74	23.92
10:16:30	6.4	74	24.57
10:16:45	6.4	74	24.59
10:17:00	6.3	74	23.98
10:17:15	6.1	74	23.37
10:17:30	5.4	74	20.66
10:17:45	5.8	74	22.04
10:18:00	3.2	74	12.22
10:18:15	1.3	74	4.91
10:18:30	3.4	74	12.89
10:18:45	5.6	74	21.49
10:19:00	6.5	74	24.75
10:19:15	6.5	74	24.77
10:19:30	5.6	74	21.54
10:19:45	5.8	74	22.19
10:20:00	6.0	74	22.83
10:20:15	5.8	74	22.22
10:20:30	6.2	74	23.60
10:20:45	5.8	74	22.26
10:21:00	6.2	74	23.64
10:21:15	6.2	74	23.65
10:21:30	6.0	74	22.94
10:21:45	5.7	74	21.70
10:22:00	5.8	74	22.35
10:22:15	5.8	74	22.37
10:22:30	5.8	74	22.38
10:22:45	5.8	74	22.40
10:23:00	6.0	74	23.05
10:23:15	5.9	74	22.44
10:23:30	6.0	74	23.08
10:23:45	5.3	74	20.48
10:24:00	5.5	74	21.13
10:24:15	5.7	74	21.88
10:24:30	5.7	74	21.90
10:24:45	5.4	74	20.56
10:25:00	5.5	74	21.20
10:25:15	5.5	74	21.22
10:25:30	5.5	74	21.24
10:25:45	5.7	74	21.99

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
10:26:00	5.9	74	22.63
10:26:15	5.4	74	20.66
10:26:30	5.2	74	20.05
10:26:45	4.9	74	18.71
10:27:00	5.2	74	20.09
10:27:15	5.8	74	22.10
10:27:30	5.6	74	21.38
10:27:45	5.4	74	20.77
10:28:00	5.4	74	20.79
10:28:15	5.6	74	21.44
10:28:30	5.6	74	21.45
10:28:45	5.8	74	22.20
10:29:00	5.3	74	20.23
10:29:15	5.4	74	20.88
10:29:30	5.8	74	22.26
10:29:45	5.6	74	21.54
10:30:00	5.6	74	21.56
10:30:15	5.1	74	19.69
10:30:30	5.5	74	20.97
10:30:45	5.3	74	20.36
10:31:00	5.5	74	21.00
10:31:15	5.5	74	21.02
10:31:30	5.7	74	21.67
10:31:45	5.2	74	19.80
10:32:00	5.3	74	20.45
10:32:15	5.7	74	21.72
10:32:30	5.3	74	20.48
10:32:45	5.9	74	22.49
10:33:00	5.4	74	20.52
10:33:15	5.5	74	21.17
10:33:30	6.0	74	23.17
10:33:45	6.1	74	23.19
10:34:00	6.1	74	23.21
10:34:15	5.9	74	22.60
10:34:30	5.9	74	22.62
10:34:45	6.1	74	23.26
10:35:00	6.1	74	23.28
10:35:15	6.2	74	23.93
10:35:30	6.6	74	25.30
10:35:45	6.6	74	25.32
10:36:00	6.1	74	23.35
10:36:15	6.5	74	24.73
10:36:30	6.8	74	26.00
10:36:45	6.8	74	26.02

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
10:37:00	6.6	74	25.41
10:37:15	6.6	74	25.43
10:37:30	6.8	74	26.08
10:37:45	7.2	74	27.45
10:38:00	6.8	74	26.11
10:38:15	7.0	74	26.86
10:38:30	6.8	74	26.15
10:38:45	7.3	74	28.15
10:39:00	7.4	74	28.17
10:39:15	7.5	74	28.82
10:39:30	7.5	74	28.84
10:39:45	7.7	74	29.59
10:40:00	7.9	74	30.23
10:40:15	7.9	74	30.25
10:40:30	7.9	74	30.27
10:40:45	8.3	74	31.65
10:41:00	8.3	74	31.67
10:41:15	8.4	74	32.31
10:41:30	8.4	74	32.33
10:41:45	8.3	74	31.72
10:42:00	8.8	74	33.73
10:42:15	8.3	74	31.76
10:42:30	8.5	74	32.40
10:42:45	8.3	74	31.79
10:43:00	8.3	74	31.81
10:43:15	8.1	74	31.09
10:43:30	8.5	74	32.47
10:43:45	8.3	74	31.86
10:44:00	8.1	74	31.15
10:44:15	8.5	74	32.53
10:44:30	8.3	74	31.92
10:44:45	8.3	74	31.93
10:45:00	8.5	74	32.58
10:45:15	8.5	74	32.60
10:45:30	8.5	74	32.62
10:45:45	8.7	74	33.26
10:46:00	8.5	74	32.65
10:46:15	8.5	74	32.67
10:46:30	8.4	74	32.06
10:46:45	8.5	74	32.71
10:47:00	8.7	74	33.35
10:47:15	8.5	74	32.74
10:47:30	8.2	74	31.40
10:47:45	8.4	74	32.15

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
10:48:00	8.4	74	32.17
10:48:15	8.4	74	32.19
10:48:30	8.2	74	31.47
10:48:45	8.6	74	32.85
10:49:00	8.4	74	32.24
10:49:15	8.4	74	32.26
10:49:30	8.6	74	32.90
10:49:45	8.9	74	34.28
10:50:00	9.1	74	34.93
10:50:15	9.3	74	35.57
10:50:30	9.3	74	35.59
10:50:45	9.1	74	34.98
10:51:00	9.5	74	36.26
10:51:15	9.1	74	35.02
10:51:30	8.6	74	33.05
10:51:45	9.0	74	34.43
10:52:00	9.0	74	34.44
10:52:15	8.8	74	33.73
10:52:30	9.0	74	34.48
10:52:45	9.0	74	34.50
10:53:00	9.2	74	35.14
10:53:15	8.3	74	31.81
10:53:30	8.5	74	32.56
10:53:45	8.5	74	32.58
10:54:00	8.5	74	32.60
10:54:15	8.3	74	31.88
10:54:30	8.5	74	32.63
10:54:45	8.3	74	31.92
10:55:00	8.5	74	32.67
10:55:15	8.7	74	33.32
10:55:30	8.9	74	33.96
10:55:45	9.1	74	34.71
10:56:00	9.1	74	34.73
10:56:15	9.1	74	34.75
10:56:30	8.9	74	34.03
10:56:45	9.1	74	34.78
10:57:00	9.1	74	34.80
10:57:15	9.3	74	35.45
10:57:30	8.9	74	34.11
10:57:45	9.3	74	35.48
10:58:00	9.1	74	34.87
10:58:15	9.3	74	35.52
10:58:30	9.3	74	35.54
10:58:45	9.4	74	36.18

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
10:59:00	9.4	74	36.20
10:59:15	9.5	74	36.22
10:59:30	9.5	74	36.24
10:59:45	9.3	74	35.63
11:00:00	9.6	74	36.90
11:00:15	9.6	74	36.92
11:00:30	9.8	74	37.67
11:00:45	9.8	74	37.69
11:01:00	9.8	74	37.71
11:01:15	10.0	74	38.35
11:01:30	10.0	74	38.37
11:01:45	9.7	74	37.03
11:02:00	9.9	74	37.78
11:02:15	9.9	74	37.80
11:02:30	9.7	74	37.08
11:02:45	10.0	74	38.46
11:03:00	9.9	74	37.85
11:03:15	10.0	74	38.49
11:03:30	10.2	74	39.14
11:03:45	10.2	74	39.16
11:04:00	10.1	74	38.55
11:04:15	10.1	74	38.57
11:04:30	10.2	74	39.21
11:04:45	9.9	74	37.97
11:05:00	10.2	74	39.25
11:05:15	10.1	74	38.64
11:05:30	10.3	74	39.28
11:05:45	10.5	74	40.03
11:06:00	10.5	74	40.05
11:06:15	10.5	74	40.07
11:06:30	10.5	74	40.09
11:06:45	10.5	74	40.11
11:07:00	10.5	74	40.12
11:07:15	10.5	74	40.14
11:07:30	10.6	74	40.79
11:07:45	10.5	74	40.18
11:08:00	10.7	74	40.82
11:08:15	10.3	74	39.48
11:08:30	10.3	74	39.50
11:08:45	10.2	74	38.89
11:09:00	10.2	74	38.91
11:09:15	10.2	74	38.93
11:09:30	10.2	74	38.94
11:09:45	10.3	74	39.59

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
11:10:00	10.7	74	40.97
11:10:15	10.3	74	39.62
11:10:30	10.5	74	40.38
11:10:45	10.5	74	40.39
11:11:00	10.9	74	41.67
11:11:15	10.6	74	40.43
11:11:30	10.7	74	41.08
11:11:45	11.1	74	42.45
11:12:00	11.1	74	42.47
11:12:15	11.3	74	43.12
11:12:30	11.1	74	42.51
11:12:45	11.3	74	43.15
11:13:00	10.7	74	41.18
11:13:15	10.9	74	41.83
11:13:30	10.6	74	40.59
11:13:45	11.1	74	42.60
11:14:00	11.1	74	42.62
11:14:15	10.9	74	41.90
11:14:30	11.5	74	43.91
11:14:45	11.3	74	43.30
11:15:00	11.3	74	43.32
11:15:15	11.3	74	43.33
11:15:30	11.0	74	41.99
11:15:45	11.2	74	42.74
11:16:00	11.3	74	43.39
11:16:15	11.5	74	44.03
11:16:30	11.5	74	44.05
11:16:45	11.5	74	44.07
11:17:00	11.5	74	44.09
11:17:15	11.3	74	43.48
11:17:30	11.7	74	44.86
11:17:45	11.4	74	43.51
11:18:00	11.2	74	42.90
11:18:15	11.0	74	42.19
11:18:30	11.4	74	43.57
11:18:45	11.0	74	42.22
11:19:00	11.2	74	42.97
11:19:15	11.0	74	42.26
11:19:30	11.2	74	43.01
11:19:45	11.0	74	42.30
11:20:00	11.4	74	43.67
11:20:15	11.9	74	45.68
11:20:30	11.6	74	44.34
11:20:45	11.2	74	43.10

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
11:21:00	11.3	74	43.12
11:21:15	10.9	74	41.77
11:21:30	11.1	74	42.42
11:21:45	10.9	74	41.81
11:22:00	11.1	74	42.46
11:22:15	11.3	74	43.21
11:22:30	11.1	74	42.49
11:22:45	10.9	74	41.88
11:23:00	10.6	74	40.54
11:23:15	10.4	74	39.93
11:23:30	10.4	74	39.95
11:23:45	10.3	74	39.34
11:24:00	10.1	74	38.62
11:24:15	9.8	74	37.38
11:24:30	9.9	74	38.03
11:24:45	9.8	74	37.42
11:25:00	10.1	74	38.69
11:25:15	10.1	74	38.71
11:25:30	10.1	74	38.73
11:25:45	9.8	74	37.49
11:26:00	9.8	74	37.51
11:26:15	9.8	74	37.53
11:26:30	10.0	74	38.17
11:26:45	9.4	74	36.20
11:27:00	9.8	74	37.58
11:27:15	9.7	74	36.97
11:27:30	9.8	74	37.62
11:27:45	9.5	74	36.27
11:28:00	9.5	74	36.29
11:28:15	9.7	74	37.04
11:28:30	9.3	74	35.70
11:28:45	9.7	74	37.08
11:29:00	9.5	74	36.36
11:29:15	9.0	74	34.39
11:29:30	9.5	74	36.40
11:29:45	9.3	74	35.79
11:30:00	9.3	74	35.81
11:30:15	9.0	74	34.47
11:30:30	9.0	74	34.48
11:30:45	9.5	74	36.49
11:31:00	9.5	74	36.51
11:31:15	9.2	74	35.27
11:31:30	9.4	74	35.92
11:31:45	9.9	74	37.92

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
11:32:00	9.4	74	35.95
11:32:15	9.4	74	35.97
11:32:30	9.4	74	35.99
11:32:45	9.6	74	36.63
11:33:00	9.8	74	37.38
11:33:15	9.6	74	36.67
11:33:30	9.8	74	37.42
11:33:45	9.4	74	36.08
11:34:00	9.6	74	36.72
11:34:15	9.3	74	35.48
11:34:30	9.6	74	36.76
11:34:45	9.6	74	36.78
11:35:00	9.3	74	35.54
11:35:15	9.4	74	36.18
11:35:30	9.4	74	36.20
11:35:45	9.8	74	37.58
11:36:00	8.3	74	31.63
11:36:15	8.1	74	31.02
11:36:30	8.1	74	31.04
11:36:45	8.4	74	32.31
11:37:00	8.6	74	32.96
11:37:15	8.8	74	33.71
11:37:30	8.6	74	33.00
11:37:45	9.3	74	35.74
11:38:00	8.8	74	33.76
11:38:15	9.5	74	36.40
11:38:30	9.9	74	37.78
11:38:45	9.5	74	36.44
11:39:00	9.4	74	35.83
11:39:15	9.5	74	36.47
11:39:30	9.7	74	37.12
11:39:45	9.5	74	36.51
11:40:00	9.5	74	36.53
11:40:15	9.2	74	35.18
11:40:30	9.7	74	37.19
11:40:45	9.7	74	37.21
11:41:00	9.0	74	34.61
11:41:15	9.2	74	35.25
11:41:30	9.2	74	35.27
11:41:45	9.2	74	35.29
11:42:00	9.7	74	37.30
11:42:15	9.4	74	36.06
11:42:30	9.7	74	37.33
11:42:45	9.2	74	35.36

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
11:43:00	9.4	74	36.11
11:43:15	9.4	74	36.13
11:43:30	9.2	74	35.42
11:43:45	9.4	74	36.17
11:44:00	10.0	74	38.17
11:44:15	9.6	74	36.83
11:44:30	10.0	74	38.21
11:44:45	9.8	74	37.49
11:45:00	9.5	74	36.26
11:45:15	9.6	74	36.90
11:45:30	9.8	74	37.55
11:45:45	10.0	74	38.30
11:46:00	10.0	74	38.32
11:46:15	9.8	74	37.60
11:46:30	9.3	74	35.63
11:46:45	9.1	74	35.02
11:47:00	9.1	74	35.04
11:47:15	9.5	74	36.42
11:47:30	9.2	74	35.07
11:47:45	9.3	74	35.72
11:48:00	9.2	74	35.11
11:48:15	9.2	74	35.13
11:48:30	9.2	74	35.15
11:48:45	9.5	74	36.52
11:49:00	9.5	74	36.54
11:49:15	9.4	74	35.83
11:49:30	9.7	74	37.21
11:49:45	9.2	74	35.24
11:50:00	9.0	74	34.63
11:50:15	9.0	74	34.64
11:50:30	9.0	74	34.66
11:50:45	8.9	74	33.95
11:51:00	9.4	74	35.95
11:51:15	8.9	74	33.98
11:51:30	9.1	74	34.73
11:51:45	9.4	74	36.01
11:52:00	9.1	74	34.77
11:52:15	9.4	74	36.04
11:52:30	9.1	74	34.80
11:52:45	8.7	74	33.46
11:53:00	8.7	74	33.48
11:53:15	8.7	74	33.50
11:53:30	8.7	74	33.52
11:53:45	8.9	74	34.16

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
11:54:00	8.4	74	32.30
11:54:15	8.9	74	34.20
11:54:30	9.1	74	34.95
11:54:45	8.9	74	34.23
11:55:00	8.4	74	32.37
11:55:15	8.5	74	32.39
11:55:30	8.8	74	33.66
11:55:45	8.5	74	32.42
11:56:00	8.8	74	33.70
11:56:15	8.8	74	33.71
11:56:30	9.0	74	34.36
11:56:45	8.5	74	32.49
11:57:00	8.7	74	33.14
11:57:15	8.5	74	32.53
11:57:30	9.2	74	35.16
11:57:45	8.8	74	33.82
11:58:00	8.8	74	33.84
11:58:15	8.7	74	33.23
11:58:30	8.7	74	33.25
11:58:45	8.5	74	32.64
11:59:00	8.2	74	31.29
11:59:15	8.3	74	31.94
11:59:30	8.5	74	32.69
11:59:45	8.2	74	31.35
12:00:00	8.4	74	31.99
12:00:15	8.2	74	31.38
12:00:30	8.4	74	32.03
12:00:45	8.0	74	30.79
12:01:00	8.4	74	32.07
12:01:15	8.2	74	31.46
12:01:30	8.2	74	31.47
12:01:45	8.1	74	30.86
12:02:00	8.6	74	32.87
12:02:15	8.6	74	32.89
12:02:30	8.4	74	32.17
12:02:45	8.4	74	32.19
12:03:00	8.6	74	32.94
12:03:15	8.2	74	31.60
12:03:30	8.3	74	31.62
12:03:45	8.6	74	33.00
12:04:00	8.6	74	33.01
12:04:15	8.1	74	31.04
12:04:30	8.1	74	31.06
12:04:45	8.1	74	31.08

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
12:05:00	8.4	74	32.35
12:05:15	8.4	74	32.37
12:05:30	8.3	74	31.76
12:05:45	8.3	74	31.78
12:06:00	8.5	74	32.42
12:06:15	8.3	74	31.81
12:06:30	8.1	74	31.20
12:06:45	8.1	74	31.22
12:07:00	8.2	74	31.24
12:07:15	8.7	74	33.25
12:07:30	8.0	74	30.54
12:07:45	8.5	74	32.55
12:08:00	7.7	74	29.32
12:08:15	15.1	74	57.71
12:08:30	17.3	74	66.31
12:08:45	16.8	74	64.34
12:09:00	17.0	74	64.98
12:09:15	18.3	74	70.23
12:09:30	18.9	74	72.24
12:09:45	18.7	74	71.63
12:10:00	19.4	74	74.26
12:10:15	20.1	74	76.90
12:10:30	20.8	74	79.64
12:10:45	21.3	74	81.65
12:11:00	21.3	74	81.66
12:11:15	22.2	74	84.93
12:11:30	22.2	74	84.94
12:11:45	23.4	74	89.57
12:12:00	23.9	74	91.57
12:12:15	24.6	74	94.21
12:12:30	25.3	74	96.95
12:12:45	25.5	74	97.59
12:13:00	26.2	74	100.23
12:13:15	26.8	74	102.86
12:13:30	27.2	74	104.24
12:13:45	27.9	74	106.88
12:14:00	28.4	74	108.88
12:14:15	28.8	74	110.26
12:14:30	29.1	74	111.54
12:14:45	29.5	74	112.91
12:15:00	30.0	74	114.92
12:15:15	30.5	74	116.93
12:15:30	30.5	74	116.95
12:15:45	29.7	74	113.61

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
12:16:00	31.4	74	120.23
12:16:15	31.6	74	120.87
12:16:30	31.6	74	120.89
12:16:45	31.8	74	121.64
12:17:00	32.4	74	124.28
12:17:15	32.1	74	122.93
12:17:30	31.6	74	120.96
12:17:45	31.9	74	122.34
12:18:00	31.6	74	121.00
12:18:15	31.6	74	121.02
12:18:30	31.4	74	120.41
12:18:45	31.8	74	121.78
12:19:00	31.1	74	119.08
12:19:15	30.6	74	117.22
12:19:30	29.9	74	114.51
12:19:45	29.9	74	114.53
12:20:00	28.4	74	108.69
12:20:15	28.0	74	107.34
12:20:30	28.4	74	108.72
12:20:45	27.0	74	103.40
12:21:00	27.2	74	104.15
12:21:15	26.2	74	100.19
12:21:30	26.3	74	100.84
12:21:45	26.5	74	101.48
12:22:00	25.8	74	98.89
12:22:15	26.0	74	99.53
12:22:30	25.8	74	98.92
12:22:45	25.5	74	97.68
12:23:00	25.0	74	95.71
12:23:15	24.1	74	92.38
12:23:30	24.5	74	93.76
12:23:45	24.6	74	94.41
12:24:00	24.5	74	93.80
12:24:15	25.0	74	95.80
12:24:30	24.1	74	92.47
12:24:45	24.5	74	93.85
12:25:00	24.7	74	94.50
12:25:15	24.5	74	93.89
12:25:30	25.7	74	98.51
12:25:45	26.8	74	102.50
12:26:00	27.4	74	105.14
12:26:15	27.4	74	105.16
12:26:30	28.3	74	108.42
12:26:45	28.0	74	107.18

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
12:27:00	28.5	74	109.19
12:27:15	28.8	74	110.46
12:27:30	29.9	74	114.46
12:27:45	29.9	74	114.48
12:28:00	30.8	74	117.84
12:28:15	29.0	74	111.27
12:28:30	29.7	74	113.90
12:28:45	29.7	74	113.92
12:29:00	30.1	74	115.19
12:29:15	28.7	74	109.98
12:29:30	28.5	74	109.37
12:29:45	28.0	74	107.40
12:30:00	26.6	74	102.08
12:30:15	26.1	74	100.11
12:30:30	25.3	74	96.88
12:30:45	24.6	74	94.28
12:31:00	23.9	74	91.68
12:31:15	24.3	74	92.95
12:31:30	23.7	74	90.98
12:31:45	23.4	74	89.75
12:32:00	22.7	74	87.04
12:32:15	22.2	74	85.07
12:32:30	21.9	74	83.83
12:32:45	21.9	74	83.85
12:33:00	21.5	74	82.51
12:33:15	21.2	74	81.27
12:33:30	20.3	74	77.94
12:33:45	19.8	74	75.97
12:34:00	18.8	74	72.01
12:34:15	19.3	74	74.02
12:34:30	18.8	74	72.04
12:34:45	19.0	74	72.80
12:35:00	18.3	74	70.20
12:35:15	18.1	74	69.48
12:35:30	18.0	74	68.87
12:35:45	17.6	74	67.53
12:36:00	17.3	74	66.29
12:36:15	17.3	74	66.31
12:36:30	17.1	74	65.59
12:36:45	17.0	74	64.98
12:37:00	17.0	74	65.00
12:37:15	16.6	74	63.76
12:37:30	16.5	74	63.05
12:37:45	16.1	74	61.81

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
12:38:00	16.7	74	63.82
12:38:15	16.0	74	61.11
12:38:30	16.0	74	61.13
12:38:45	16.0	74	61.15
12:39:00	16.0	74	61.17
12:39:15	16.0	74	61.19
12:39:30	15.8	74	60.58
12:39:45	15.5	74	59.23
12:40:00	15.5	74	59.25
12:40:15	15.0	74	57.38
12:40:30	14.8	74	56.67
12:40:45	14.3	74	54.70
12:41:00	14.3	74	54.72
12:41:15	14.3	74	54.73
12:41:30	14.1	74	54.12
12:41:45	14.1	74	54.14
12:42:00	13.8	74	52.80
12:42:15	13.8	74	52.82
12:42:30	13.5	74	51.58
12:42:45	13.6	74	52.23
12:43:00	13.0	74	49.63
12:43:15	13.0	74	49.64
12:43:30	12.8	74	49.03
12:43:45	12.3	74	47.06
12:44:00	12.3	74	47.08
12:44:15	12.5	74	47.73
12:44:30	12.3	74	47.12
12:44:45	12.3	74	47.14
12:45:00	12.0	74	45.79
12:45:15	12.0	74	45.81
12:45:30	11.3	74	43.21
12:45:45	11.6	74	44.49
12:46:00	11.5	74	43.88
12:46:15	11.3	74	43.27
12:46:30	11.1	74	42.66
12:46:45	10.9	74	41.94
12:47:00	11.0	74	41.96
12:47:15	10.8	74	41.35
12:47:30	10.8	74	41.37
12:47:45	11.2	74	42.75
12:48:00	10.8	74	41.40
12:48:15	10.8	74	41.42
12:48:30	10.8	74	41.44
12:48:45	10.7	74	40.83

VOC Emission Data

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
12:49:00	10.5	74	40.11
12:49:15	10.5	74	40.13
12:49:30	10.8	74	41.51
12:49:45	10.7	74	40.90
12:50:00	10.5	74	40.19
12:50:15	10.2	74	38.95
12:50:30	9.8	74	37.60
12:50:45	9.8	74	37.62
12:51:00	9.7	74	37.01
12:51:15	10.0	74	38.29
12:51:30	9.8	74	37.68
12:51:45	9.5	74	36.44
12:52:00	9.7	74	37.08
12:52:15	9.8	74	37.73
12:52:30	9.9	74	37.75
12:52:45	9.5	74	36.51
12:53:00	9.3	74	35.79
12:53:15	9.2	74	35.18
12:53:30	9.2	74	35.20
12:53:45	9.2	74	35.22
12:54:00	8.8	74	33.88
12:54:15	9.2	74	35.26
12:54:30	9.0	74	34.65
12:54:45	9.0	74	34.66
12:55:00	9.2	74	35.31
12:55:15	9.1	74	34.70
12:55:30	9.2	74	35.35
12:55:45	8.9	74	34.00
12:56:00	9.1	74	34.75
12:56:15	8.7	74	33.41
12:56:30	8.9	74	34.06
12:56:45	8.9	74	34.07
12:57:00	8.6	74	32.84
12:57:15	8.6	74	32.85
12:57:30	8.6	74	32.87
12:57:45	8.7	74	33.52
12:58:00	8.6	74	32.91
12:58:15	8.6	74	32.93
12:58:30	8.9	74	34.20
12:58:45	8.8	74	33.59
12:59:00	8.9	74	34.24
12:59:15	8.4	74	32.27
12:59:30	8.8	74	33.64
12:59:45	8.4	74	32.30

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
13:00:00	8.6	74	33.05
13:00:15	8.8	74	33.70
13:00:30	9.0	74	34.34
13:00:45	8.5	74	32.37
13:01:00	8.5	74	32.39
13:01:15	8.5	74	32.41
13:01:30	8.1	74	31.17
13:01:45	8.1	74	31.19
13:02:00	8.1	74	31.21
13:02:15	8.2	74	31.22
13:02:30	8.0	74	30.61
13:02:45	8.3	74	31.89
13:03:00	8.3	74	31.91
13:03:15	8.3	74	31.92
13:03:30	8.7	74	33.30
13:03:45	8.5	74	32.59
13:04:00	8.0	74	30.72
13:04:15	8.0	74	30.74
13:04:30	8.0	74	30.76
13:04:45	7.8	74	30.04
13:05:00	7.7	74	29.43
13:05:15	7.7	74	29.45
13:05:30	7.5	74	28.84
13:05:45	7.3	74	28.13
13:06:00	7.2	74	27.52
13:06:15	7.5	74	28.89
13:06:30	7.5	74	28.91
13:06:45	7.6	74	28.93
13:07:00	7.7	74	29.58
13:07:15	8.1	74	30.96
13:07:30	8.1	74	30.97
13:07:45	8.4	74	32.25
13:08:00	8.3	74	31.64
13:08:15	8.1	74	31.03
13:08:30	7.9	74	30.31
13:08:45	8.3	74	31.69
13:09:00	8.4	74	32.34
13:09:15	8.1	74	31.10
13:09:30	8.5	74	32.37
13:09:45	8.1	74	31.13
13:10:00	8.1	74	31.15
13:10:15	7.8	74	29.81
13:10:30	7.9	74	30.46
13:10:45	8.0	74	30.47

VOC Emission Data

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
13:11:00	7.8	74	29.86
13:11:15	7.8	74	29.88
13:11:30	8.2	74	31.26
13:11:45	7.8	74	29.92
13:12:00	7.6	74	29.31
13:12:15	7.5	74	28.59
13:12:30	7.3	74	27.98
13:12:45	7.7	74	29.36
13:13:00	7.5	74	28.65
13:13:15	7.3	74	28.04
13:13:30	7.2	74	27.43
13:13:45	7.2	74	27.44
13:14:00	7.2	74	27.46
13:14:15	6.8	74	26.12
13:14:30	7.2	74	27.50
13:14:45	6.1	74	23.54
13:15:00	7.5	74	28.79
13:15:15	7.4	74	28.18
13:15:30	7.4	74	28.20
13:15:45	7.5	74	28.84
13:16:00	7.5	74	28.86
13:16:15	7.9	74	30.24
13:16:30	7.7	74	29.63
13:16:45	7.4	74	28.29
13:17:00	7.2	74	27.68
13:17:15	7.2	74	27.69
13:17:30	6.9	74	26.35
13:17:45	6.6	74	25.11
13:18:00	7.4	74	28.38
13:18:15	7.1	74	27.03
13:18:30	6.4	74	24.44
13:18:45	7.3	74	27.80
13:19:00	7.4	74	28.45
13:19:15	7.8	74	29.83
13:19:30	7.8	74	29.85
13:19:45	7.6	74	29.13
13:20:00	7.3	74	27.89
13:20:15	7.3	74	27.91
13:20:30	7.1	74	27.20
13:20:45	6.9	74	26.59
13:21:00	6.9	74	26.60
13:21:15	6.6	74	25.37
13:21:30	6.4	74	24.65
13:21:45	6.4	74	24.67

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
13:22:00	6.4	74	24.69
13:22:15	6.3	74	24.08
13:22:30	6.5	74	24.72
13:22:45	7.1	74	27.36
13:23:00	7.5	74	28.74
13:23:15	8.0	74	30.74
13:23:30	7.5	74	28.77
13:23:45	7.4	74	28.16
13:24:00	7.5	74	28.81
13:24:15	7.4	74	28.20
13:24:30	7.2	74	27.48
13:24:45	7.0	74	26.87
13:25:00	6.9	74	26.26
13:25:15	7.0	74	26.91
13:25:30	7.0	74	26.93
13:25:45	7.4	74	28.30
13:26:00	7.4	74	28.32
13:26:15	7.6	74	28.97
13:26:30	7.6	74	28.99
13:26:45	7.4	74	28.38
13:27:00	7.6	74	29.02
13:27:15	7.7	74	29.67
13:27:30	7.4	74	28.43
13:27:45	7.6	74	29.08
13:28:00	7.2	74	27.73
13:28:15	7.4	74	28.48
13:28:30	7.8	74	29.76
13:28:45	8.0	74	30.51
13:29:00	8.3	74	31.78
13:29:15	8.1	74	31.17
13:29:30	8.5	74	32.55
13:29:45	9.2	74	35.19
13:30:00	8.8	74	33.84
13:30:15	9.0	74	34.49
13:30:30	9.2	74	35.24
13:30:45	8.8	74	33.90
13:31:00	9.0	74	34.54
13:31:15	8.9	74	33.93
13:31:30	9.2	74	35.31
13:31:45	8.9	74	33.97
13:32:00	9.2	74	35.35
13:32:15	9.6	74	36.62
13:32:30	9.6	74	36.64
13:32:45	9.6	74	36.66

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
13:33:00	9.9	74	38.04
13:33:15	9.2	74	35.44
13:33:30	9.3	74	35.45
13:33:45	9.4	74	36.10
13:34:00	9.6	74	36.75
13:34:15	9.6	74	36.76
13:34:30	9.4	74	36.15
13:34:45	9.3	74	35.54
13:35:00	9.8	74	37.55
13:35:15	9.5	74	36.21
13:35:30	9.1	74	34.87
13:35:45	9.3	74	35.62
13:36:00	9.1	74	34.90
13:36:15	9.3	74	35.65
13:36:30	9.3	74	35.67
13:36:45	9.5	74	36.32
13:37:00	9.5	74	36.33
13:37:15	9.8	74	37.71
13:37:30	10.2	74	38.99
13:37:45	10.0	74	38.38
13:38:00	10.0	74	38.39
13:38:15	10.0	74	38.41
13:38:30	10.0	74	38.43
13:38:45	10.0	74	38.45
13:39:00	10.7	74	41.08
13:39:15	11.2	74	43.09
13:39:30	10.7	74	41.12
13:39:45	11.1	74	42.50
13:40:00	10.7	74	41.15
13:40:15	11.1	74	42.53
13:40:30	11.1	74	42.55
13:40:45	11.1	74	42.57
13:41:00	10.6	74	40.60
13:41:15	6.5	74	24.81
13:41:30	4.9	74	18.86
13:41:45	9.7	74	37.30
13:42:00	9.6	74	36.69
13:42:15	8.9	74	34.09
13:42:30	8.7	74	33.48
13:42:45	8.6	74	32.77
13:43:00	9.1	74	34.78
13:43:15	8.8	74	33.54
13:43:30	8.0	74	30.83
13:43:45	8.1	74	30.85

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
13:44:00	8.8	74	33.59
13:44:15	8.4	74	32.25
13:44:30	8.4	74	32.27
13:44:45	8.1	74	30.92
13:45:00	7.9	74	30.31
13:45:15	8.3	74	31.69
13:45:30	8.8	74	33.70
13:45:45	8.6	74	32.98
13:46:00	8.5	74	32.37
13:46:15	8.3	74	31.76
13:46:30	7.9	74	30.42
13:46:45	8.3	74	31.80
13:47:00	8.3	74	31.82
13:47:15	8.6	74	33.09
13:47:30	8.8	74	33.84
13:47:45	8.5	74	32.50
13:48:00	8.3	74	31.89
13:48:15	8.7	74	33.16
13:48:30	8.9	74	33.91
13:48:45	9.2	74	35.19
13:49:00	8.9	74	33.95
13:49:15	9.0	74	34.60
13:49:30	9.0	74	34.61
13:49:45	9.0	74	34.63
13:50:00	9.4	74	35.91
13:50:15	9.9	74	37.91
13:50:30	9.6	74	36.67
13:50:45	10.1	74	38.68
13:51:00	9.7	74	37.34
13:51:15	9.8	74	37.36
13:51:30	11.0	74	41.98
13:51:45	11.0	74	42.00
13:52:00	11.0	74	42.02
13:52:15	10.8	74	41.40
13:52:30	10.6	74	40.79
13:52:45	11.3	74	43.43
13:53:00	11.3	74	43.45
13:53:15	11.3	74	43.47
13:53:30	11.5	74	44.11
13:53:45	11.0	74	42.14
13:54:00	11.2	74	42.79
13:54:15	10.5	74	40.19
13:54:30	10.5	74	40.21
13:54:45	10.5	74	40.22

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
13:55:00	10.5	74	40.24
13:55:15	11.0	74	42.25
13:55:30	11.2	74	42.89
13:55:45	10.9	74	41.66
13:56:00	11.0	74	42.30
13:56:15	11.4	74	43.68
13:56:30	11.1	74	42.34
13:56:45	11.2	74	42.98
13:57:00	11.6	74	44.36
13:57:15	11.7	74	45.01
13:57:30	12.1	74	46.39
13:57:45	11.9	74	45.78
13:58:00	11.6	74	44.43
13:58:15	11.6	74	44.45
13:58:30	10.9	74	41.85
13:58:45	11.1	74	42.50
13:59:00	11.3	74	43.15
13:59:15	10.9	74	41.91
13:59:30	10.9	74	41.92
13:59:45	10.9	74	41.94
14:00:00	10.8	74	41.33
14:00:15	11.5	74	43.97
14:00:30	11.5	74	43.99
14:00:45	11.8	74	45.26
14:01:00	11.8	74	45.28
14:01:15	11.1	74	42.68
14:01:30	11.8	74	45.31
14:01:45	11.5	74	44.08
14:02:00	11.8	74	45.35
14:02:15	13.2	74	50.71
14:02:30	15.3	74	58.57
14:02:45	11.9	74	45.40
14:03:00	11.3	74	43.43
14:03:15	11.2	74	42.82
14:03:30	11.0	74	42.21
14:03:45	12.4	74	47.46
14:04:00	10.9	74	41.62
14:04:15	10.5	74	40.28
14:04:30	10.7	74	40.92
14:04:45	10.7	74	40.94
14:05:00	10.2	74	38.97
14:05:15	10.4	74	39.72
14:05:30	10.9	74	41.73
14:05:45	9.7	74	37.04

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
14:06:00	9.5	74	36.42
14:06:15	9.2	74	35.19
14:06:30	9.9	74	37.82
14:06:45	9.4	74	35.85
14:07:00	9.2	74	35.24
14:07:15	9.0	74	34.53
14:07:30	8.7	74	33.29
14:07:45	8.9	74	33.93
14:08:00	8.7	74	33.32
14:08:15	8.3	74	31.98
14:08:30	8.5	74	32.63
14:08:45	8.2	74	31.39
14:09:00	8.0	74	30.67
14:09:15	8.0	74	30.69
14:09:30	8.2	74	31.44
14:09:45	7.9	74	30.10
14:10:00	7.7	74	29.49
14:10:15	7.7	74	29.51
14:10:30	8.2	74	31.51
14:10:45	8.0	74	30.80
14:11:00	7.9	74	30.19
14:11:15	8.0	74	30.84
14:11:30	7.7	74	29.60
14:11:45	7.9	74	30.24
14:12:00	7.7	74	29.63
14:12:15	7.7	74	29.65
14:12:30	8.1	74	30.92
14:12:45	7.7	74	29.69
14:13:00	7.9	74	30.33
14:13:15	7.6	74	29.09
14:13:30	7.2	74	27.75
14:13:45	7.4	74	28.40
14:14:00	7.3	74	27.79
14:14:15	7.3	74	27.81
14:14:30	7.4	74	28.45
14:14:45	7.6	74	29.20
14:15:00	7.3	74	27.86
14:15:15	7.1	74	27.25
14:15:30	7.1	74	27.27
14:15:45	7.3	74	27.91
14:16:00	7.3	74	27.93
14:16:15	7.3	74	27.95
14:16:30	6.9	74	26.61
14:16:45	6.9	74	26.62

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
14:17:00	7.0	74	26.64
14:17:15	7.0	74	26.66
14:17:30	6.4	74	24.69
14:17:45	7.0	74	26.70
14:18:00	6.8	74	26.09
14:18:15	6.5	74	24.74
14:18:30	6.7	74	25.49
14:18:45	6.8	74	26.14
14:19:00	6.7	74	25.53
14:19:15	6.5	74	24.81
14:19:30	6.3	74	24.20
14:19:45	6.2	74	23.59
14:20:00	6.5	74	24.87
14:20:15	6.2	74	23.63
14:20:30	6.5	74	24.90
14:20:45	6.5	74	24.92
14:21:00	6.0	74	23.06
14:21:15	6.4	74	24.33
14:21:30	6.4	74	24.35
14:21:45	6.5	74	24.99
14:22:00	6.4	74	24.38
14:22:15	6.4	74	24.40
14:22:30	6.2	74	23.79
14:22:45	6.1	74	23.18
14:23:00	6.1	74	23.20
14:23:15	5.7	74	21.86
14:23:30	6.2	74	23.86
14:23:45	6.4	74	24.51
14:24:00	6.1	74	23.27
14:24:15	5.9	74	22.56
14:24:30	6.2	74	23.94
14:24:45	5.9	74	22.59
14:25:00	6.4	74	24.60
14:25:15	6.9	74	26.61
14:25:30	6.9	74	26.62
14:25:45	6.8	74	26.01
14:26:00	7.1	74	27.29
14:26:15	7.5	74	28.67
14:26:30	7.5	74	28.68
14:26:45	7.3	74	28.07
14:27:00	6.8	74	26.10
14:27:15	7.1	74	27.38
14:27:30	7.5	74	28.76
14:27:45	7.3	74	28.15

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
14:28:00	7.7	74	29.42
14:28:15	7.5	74	28.81
14:28:30	8.0	74	30.82
14:28:45	8.2	74	31.46
14:29:00	8.2	74	31.48
14:29:15	8.4	74	32.13
14:29:30	9.1	74	34.87
14:29:45	9.6	74	36.87
14:30:00	10.5	74	40.13
14:30:15	10.6	74	40.78
14:30:30	11.2	74	42.79
14:30:45	12.2	74	46.78
14:31:00	12.7	74	48.79
14:31:15	13.8	74	52.79
14:31:30	14.5	74	55.42
14:31:45	15.2	74	58.05
14:32:00	15.8	74	60.69
14:32:15	16.4	74	62.70
14:32:30	16.7	74	64.07
14:32:45	17.8	74	68.07
14:33:00	17.6	74	67.36
14:33:15	18.3	74	70.09
14:33:30	19.0	74	72.73
14:33:45	19.2	74	73.38
14:34:00	19.5	74	74.75
14:34:15	19.3	74	74.04
14:34:30	19.0	74	72.80
14:34:45	19.3	74	74.07
14:35:00	19.0	74	72.84
14:35:15	20.1	74	76.83
14:35:30	19.7	74	75.49
14:35:45	19.7	74	75.51
14:36:00	20.2	74	77.51
14:36:15	19.2	74	73.55
14:36:30	19.9	74	76.19
14:36:45	19.7	74	75.58
14:37:00	18.7	74	71.62
14:37:15	18.5	74	71.01
14:37:30	18.5	74	71.03
14:37:45	18.0	74	69.06
14:38:00	17.5	74	67.09
14:38:15	17.0	74	65.11
14:38:30	16.8	74	64.50
14:38:45	16.5	74	63.16

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
14:39:00	16.2	74	61.92
14:39:15	16.0	74	61.21
14:39:30	15.3	74	58.61
14:39:45	15.5	74	59.36
14:40:00	14.6	74	56.03
14:40:15	14.5	74	55.42
14:40:30	14.3	74	54.70
14:40:45	14.0	74	53.47
14:41:00	14.0	74	53.48
14:41:15	13.3	74	50.89
14:41:30	13.3	74	50.90
14:41:45	12.8	74	48.93
14:42:00	12.4	74	47.59
14:42:15	12.1	74	46.25
14:42:30	12.3	74	47.00
14:42:45	11.8	74	45.03
14:43:00	11.6	74	44.42
14:43:15	11.8	74	45.06
14:43:30	11.4	74	43.72
14:43:45	11.3	74	43.11
14:44:00	10.9	74	41.77
14:44:15	11.1	74	42.52
14:44:30	10.6	74	40.55
14:44:45	10.1	74	38.58
14:45:00	10.1	74	38.59
14:45:15	9.9	74	37.98
14:45:30	9.9	74	38.00
14:45:45	9.4	74	36.03
14:46:00	9.4	74	36.05
14:46:15	9.2	74	35.33
14:46:30	9.4	74	36.08
14:46:45	9.4	74	36.10
14:47:00	9.4	74	36.12
14:47:15	9.2	74	35.41
14:47:30	8.9	74	34.17
14:47:45	8.7	74	33.45
14:48:00	8.9	74	34.20
14:48:15	8.6	74	32.86
14:48:30	8.6	74	32.88
14:48:45	8.4	74	32.27
14:49:00	8.3	74	31.66
14:49:15	8.3	74	31.68
14:49:30	7.9	74	30.33
14:49:45	8.1	74	30.98

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
14:50:00	8.1	74	31.00
14:50:15	7.9	74	30.39
14:50:30	7.8	74	29.78
14:50:45	7.9	74	30.42
14:51:00	7.9	74	30.44
14:51:15	7.8	74	29.83
14:51:30	8.1	74	31.11
14:51:45	8.0	74	30.50
14:52:00	8.0	74	30.51
14:52:15	8.0	74	30.53
14:52:30	7.1	74	27.20
14:52:45	7.6	74	29.21
14:53:00	7.1	74	27.24
14:53:15	6.9	74	26.63
14:53:30	7.3	74	28.00
14:53:45	7.1	74	27.29
14:54:00	7.1	74	27.31
14:54:15	7.5	74	28.69
14:54:30	7.5	74	28.70
14:54:45	7.3	74	28.09
14:55:00	7.0	74	26.75
14:55:15	6.8	74	26.14
14:55:30	6.7	74	25.53
14:55:45	6.8	74	26.18
14:56:00	6.7	74	25.57
14:56:15	6.5	74	24.85
14:56:30	6.2	74	23.61
14:56:45	6.9	74	26.25
14:57:00	6.9	74	26.27
14:57:15	6.5	74	24.92
14:57:30	6.9	74	26.30
14:57:45	6.9	74	26.32
14:58:00	6.4	74	24.35
14:58:15	6.5	74	25.00
14:58:30	6.4	74	24.39
14:58:45	6.2	74	23.78
14:59:00	6.7	74	25.78
14:59:15	6.7	74	25.80
14:59:30	6.5	74	25.08
14:59:45	6.7	74	25.84
15:00:00	6.6	74	25.12
15:00:15	6.4	74	24.51
15:00:30	6.6	74	25.16
15:00:45	6.4	74	24.55

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
15:01:00	6.4	74	24.56
15:01:15	6.6	74	25.21
15:01:30	6.4	74	24.60
15:01:45	6.8	74	25.98
15:02:00	6.4	74	24.64
15:02:15	6.4	74	24.65
15:02:30	6.8	74	26.03
15:02:45	6.4	74	24.69
15:03:00	6.6	74	25.34
15:03:15	6.5	74	24.73
15:03:30	6.5	74	24.74
15:03:45	6.6	74	25.39
15:04:00	6.6	74	25.41
15:04:15	6.3	74	24.17
15:04:30	6.5	74	24.82
15:04:45	6.3	74	24.21
15:05:00	6.3	74	24.22
15:05:15	6.5	74	24.87
15:05:30	6.1	74	23.53
15:05:45	6.1	74	23.54
15:06:00	6.0	74	22.93
15:06:15	6.2	74	23.58
15:06:30	6.0	74	22.97
15:06:45	6.2	74	23.62
15:07:00	6.0	74	23.01
15:07:15	6.0	74	23.02
15:07:30	5.9	74	22.41
15:07:45	6.0	74	23.06
15:08:00	5.9	74	22.45
15:08:15	5.7	74	21.73
15:08:30	6.0	74	23.11
15:08:45	5.9	74	22.50
15:09:00	5.7	74	21.79
15:09:15	5.7	74	21.81
15:09:30	6.1	74	23.19
15:09:45	6.2	74	23.83
15:10:00	6.1	74	23.22
15:10:15	6.1	74	23.24
15:10:30	5.9	74	22.63
15:10:45	5.9	74	22.65
15:11:00	6.1	74	23.29
15:11:15	6.1	74	23.31
15:11:30	5.9	74	22.70
15:11:45	5.7	74	21.99

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
15:12:00	5.7	74	22.00
15:12:15	5.9	74	22.75
15:12:30	6.1	74	23.40
15:12:45	5.9	74	22.79
15:13:00	6.6	74	25.43
15:13:15	7.0	74	26.80
15:13:30	7.0	74	26.82
15:13:45	7.0	74	26.84
15:14:00	6.8	74	26.12
15:14:15	6.5	74	24.89
15:14:30	6.3	74	24.17
15:14:45	5.8	74	22.20
15:15:00	5.8	74	22.22
15:15:15	5.8	74	22.24
15:15:30	5.6	74	21.63
15:15:45	5.5	74	21.02
15:16:00	5.3	74	20.41
15:16:15	5.3	74	20.42
15:16:30	5.3	74	20.44
15:16:45	5.1	74	19.73
15:17:00	5.3	74	20.48
15:17:15	5.0	74	19.14
15:17:30	4.8	74	18.53
15:17:45	4.8	74	18.54
15:18:00	4.8	74	18.56
15:18:15	4.8	74	18.58
15:18:30	4.7	74	17.86
15:18:45	4.7	74	17.88
15:19:00	4.5	74	17.27
15:19:15	4.9	74	18.65
15:19:30	4.9	74	18.67
15:19:45	5.2	74	19.94
15:20:00	4.9	74	18.70
15:20:15	5.7	74	21.97
15:20:30	4.9	74	18.74
15:20:45	4.9	74	18.76
15:21:00	5.2	74	20.03
15:21:15	5.1	74	19.42
15:21:30	5.2	74	20.07
15:21:45	5.6	74	21.45
15:22:00	5.1	74	19.48
15:22:15	5.3	74	20.12
15:22:30	5.1	74	19.51
15:22:45	5.6	74	21.52

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
15:23:00	5.5	74	20.91
15:23:15	5.3	74	20.19
15:23:30	5.3	74	20.21
15:23:45	5.5	74	20.96
15:24:00	5.5	74	20.98
15:24:15	5.0	74	19.01
15:24:30	5.3	74	20.28
15:24:45	5.1	74	19.67
15:25:00	5.0	74	19.06
15:25:15	5.1	74	19.71
15:25:30	5.1	74	19.73
15:25:45	5.2	74	19.75
15:26:00	5.2	74	19.76
15:26:15	5.0	74	19.15
15:26:30	5.3	74	20.43
15:26:45	5.3	74	20.45
15:27:00	5.3	74	20.46
15:27:15	5.5	74	21.21
15:27:30	5.5	74	21.23
15:27:45	5.5	74	21.25
15:28:00	5.6	74	21.27
15:28:15	5.4	74	20.55
15:28:30	5.4	74	20.57
15:28:45	5.7	74	21.95
15:29:00	5.4	74	20.61
15:29:15	5.4	74	20.62
15:29:30	5.2	74	20.01
15:29:45	5.4	74	20.66
15:30:00	5.4	74	20.68
15:30:15	5.4	74	20.70
15:30:30	5.2	74	20.09
15:30:45	5.4	74	20.73
15:31:00	5.3	74	20.12
15:31:15	5.1	74	19.51
15:31:30	5.4	74	20.79
15:31:45	5.3	74	20.18
15:32:00	5.4	74	20.82
15:32:15	5.4	74	20.84
15:32:30	5.6	74	21.59
15:32:45	5.6	74	21.61
15:33:00	5.6	74	21.63
15:33:15	5.6	74	21.64
15:33:30	5.5	74	20.93
15:33:45	5.5	74	20.95

Job Ref:

OEH 34285

Technical Details

Client Name:

Dunlop

Instrument Type

FID

Location:

W&B Oven

Calibration Gas

Methane

Date:

2-Aug-05

% Carbon:

75%

Scientist:

JL

Sample Number:

730/1

Instrument Range:

5

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)
15:34:00	5.5	74	20.97
15:34:15	5.5	74	20.98
15:34:30	5.2	74	19.74
15:34:45	5.2	74	19.76
15:35:00	5.2	74	19.78
15:35:15	5.7	74	21.79
15:35:30	5.3	74	20.44
15:35:45	4.8	74	18.47
15:36:00	5.0	74	19.12
15:36:15	4.8	74	18.51
15:36:30	5.0	74	19.16
15:36:45	4.7	74	17.92
15:37:00	4.8	74	18.56
15:37:15	4.7	74	17.95
15:37:30	5.2	74	19.96
15:37:45	5.9	74	22.59
15:38:00	5.4	74	20.62
15:38:15	6.1	74	23.26
15:38:30	6.1	74	23.28
15:38:45	6.4	74	24.66
15:39:00	6.4	74	24.67
15:39:15	6.6	74	25.32
15:39:30	7.0	74	26.70
15:39:45	7.5	74	28.70
15:40:00	7.5	74	28.72
15:40:15	7.5	74	28.74
15:40:30	8.0	74	30.64
15:40:45	8.0	74	30.66
15:41:00	8.7	74	33.40
15:41:15	8.9	74	34.05
15:41:30	9.1	74	34.69
15:41:45	9.1	74	34.71
15:42:00	9.3	74	35.46
15:42:15	9.1	74	34.75
15:42:30	9.6	74	36.75
15:42:45	9.4	74	36.14
15:43:00	9.6	74	36.79
15:43:15	9.4	74	36.18
15:43:30	9.4	74	36.20
15:43:45	9.5	74	36.21
15:44:00	8.9	74	34.24
15:44:15	9.5	74	36.25
15:44:30	9.1	74	34.91
15:44:45	9.3	74	35.66

Job Ref:	OEH 34285	Technical Details	
Client Name:	Dunlop	Instrument Type	FID
Location:	W&B Oven	Calibration Gas	Methane
Date:	2-Aug-05	% Carbon:	75%
Scientist:	JL	Sample Number:	730/1
		Instrument Range:	5
		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)
15:45:00	9.1	74	34.94
15:45:15	8.8	74	33.70
15:45:30	8.8	74	33.72
15:45:45	8.6	74	33.01
15:46:00	8.6	74	33.03
15:46:15	8.8	74	33.78
15:46:30	8.8	74	33.79
15:46:45	8.1	74	31.09
15:47:00	8.1	74	31.11
15:47:15	7.8	74	29.87
15:47:30	7.1	74	27.27
Average	10.2		39.0