

PROJECT TEAM

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Date:

18th November 2010

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18th November 2010

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18th November 2010

OCTOBER 2010

**EMISSIONS MONITORING
REPORT**

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18th November 2010

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Calibration Certificates are available upon request

EXECUTIVE SUMMARY (Page 1 of 1)

The following document details the emissions to air monitoring survey undertaken by Vicki Gavin and Tony Berek of Redwing Environmental Ltd at Terex Compact Equipment on the 5th to the 7th October 2010.

All results pertain to the dates monitored only.

A summary of results is shown below:-

Emission point reference Stack N°	Total Particulate Matter at reference conditions (mg/m ³)	* Highest 30 minute mean VOC at reference conditions (mg/m ³)	Isocyanate Concentration at reference conditions (mg/m ³)	Velocity corrected to reference conditions (m/s)	Volume flow corrected to reference conditions (m ³ /hr)
Primer Spray Booth 1	Run 1 – 2.1 Run 2 – 0.7	14.6 (13.4)	--	6.1	43,991
Primer Spray Booth 2	Run 1 – 0.2 Run 2 – 0.2	23.9 (18.4)	--	5.8	41,998
Primer Flash-off	Run 1 – 0.7 Run 2 – 0.3	14.2 (13.0)	--	8.3	14,977
Topcoat Spray Booth 1	Run 1 – <0.3 Run 2 – <0.3 Less than blank	21.3 (20.6)	<0.002	6.4	46,376
Topcoat Spray Booth 2	Run 1 – 0.8 Run 2 – 0.5	35.6 (30.8)	<0.002	6.6	48,119
Topcoat Flash- off	Run 1 – <0.3 Run 2 – <0.3 Less than blank	10.8 (10.8)	<0.002	10.1	23,129
Topcoat Curing Oven	Run 1 – 1.2 Run 2 – 0.4	5.1 (4.9)	<0.002	10.3	10,520
Paint Kitchen	--	16.0 (15.8)	--	4.8	3,468
Off Line Booth 1	Run 1 – 1.3 Run 2 – 1.1	7.7 (7.6)	<0.002	11.0	15,187
Off Line Booth 2	Run 1 – 0.9 Run 2 – 1.8	17.3 (12.5)	<0.002	11.1	15,431

* Figure in brackets represent the average VOC for the duration of the monitoring

NOTE 1: Reference conditions are standard Temperature (273K) and standard pressure (101.3kPa)

1.0 INTRODUCTION

- 1.1 The exhausts listed below were monitored with respect to quotation **Q-RED10-090/EB/v0** for the compliance check monitoring of emissions to air. The substances requested for monitoring at each emission point are listed below:

Monitoring Programme

Stack reference/Proposed method	Total Particulate Matter BS EN 13284	Volatile Organic Compounds BS EN 13526	Isocyanates USEPA CTM36
Main Paint Facility			
Primer spray booth - 1	✓	✓	✗
Primer spray booth – 2	✓	✓	✗
Primer Flash off	✓	✓	✗
Topcoat Spray booth -1	✓	✓	✓
Topcoat spray booth – 2	✓	✓	✓
Topcoat Flash off	✓	✓	✓
Topcoat Curing Oven	✓	✓	✓
Paint Kitchen	✗	✓	✗
Off line Booth 1	✓	✓	✓
Off line Booth 2	✓	✓	✓

- 1.2 Terex Compact Equipment operates a metal and plastic coating process at their site in Coventry, the process is governed by the Secretary of States Process Guidance Note PG6/23(04) – Coating of Metal and Plastic.

1.3 The emission limits are listed below:

Process Guidance Note PG6/23 (04): Coating of Metal and Plastic

EMISSION LIMITS

ANALYTE	TOTAL PARTICULATE	TOTAL VOC	TOTAL ISOCYANATES
Emission Limit	50 mg/m ³	150 mg/m ³	0.1mg/m ³

1.4 The velocity and temperature profile were within the required parameters of 9:1 (pascals) or 3:1 metres/second and $\pm 1\%$ for temperature profile. This information indicates that the sample ports are in ideal positions to collect the samples under representative conditions.

1.5 Monitoring Results

Emission Point Reference	Substance to be Monitored	Emission Limit Value	Periodic Monitoring Result	Units	Reference Conditions 273 K, 101.3 kPa	Date of Sampling	Start and End Times	Monitoring Method Reference	Operating Status
Primer Spray Booth 1	Total Particulate Matter	50	Run 1 – 2.1 Run 2 – 0.7	mg/m ³	273K, 101.3kPa	06/10/10	1325 – 1400 1405 - 1437	BS EN 13284-1	Normal
	Volatile Organic Compounds	150	13.4	mg/m ³			1008 - 1108	BS EN 13526	
Primer Spray Booth 2	Total Particulate Matter	50	Run 1 – 0.2 Run 2 – 0.2	mg/m ³	273K, 101.3kPa	06/10/10	0830 – 0902 0905 - 0937	BS EN 13284-1	Normal
	Volatile Organic Compounds	150	18.4	mg/m ³			1110 - 1210	BS EN 13526	
Primer Flash-off	Total Particulate Matter	50	Run 1 – 0.7 Run 2 – 0.3	mg/m ³	273K, 101.3kPa	05/10/10	1240 – 1312 1320 - 1352	BS EN 13284-1	Normal
	Volatile Organic Compounds	150	13.0	mg/m ³			1409 - 1509	BS EN 13526	
Top Coat Spray Booth 1	Total Particulate Matter	50	Run 1 – <0.3 Run 2 – <0.3	mg/m ³	273K, 101.3kPa	05/10/10	1355 – 1427 1430 - 1502	BS EN 13284-1	Normal
	Volatile Organic Compounds	150	20.6	mg/m ³		06/10/10	0902 - 1002	BS EN 13526	
	Isocyanates	0.1	<0.002	mg/m ³		06/10/10	1005 - 1105	USEPA 36	

Emission Point Reference	Substance to be Monitored	Emission Limit Value	Periodic Monitoring Result	Units	Reference Conditions 273 K, 101.3 kPa	Date of Sampling	Start and End Times		Monitoring Method Reference	Operating Status
Top Coat Spray Booth 2	Total Particulate Matter	50	Run 1 – 0.8 Run 2 – 0.5	mg/m ³	273K, 101.3kPa	05/10/10	1120 – 1152 1200 - 1232	BS EN 13284-1	Normal	
	Volatile Organic Compounds	150	30.8	mg/m ³			1306 - 1406	BS EN 13526		
	Isocyanates	0.1	<0.002	mg/m ³		06/10/10	0845 - 0945	USEPA 36		
Topcoat Flash-off	Total Particulate Matter	50	Run 1 – <0.3 Run 2 – <0.3	mg/m ³	273K, 101.3kPa	07/10/10	1325 – 1357 1400 – 1432	BS EN 13284-1	Normal	
	Volatile Organic Compounds	150	10.8	mg/m ³		06/10/10	1210 – 1310	BS EN 13526		
	Isocyanates	0.1	<0.002	mg/m ³		07/10/10	0950 - 1050	USEPA 36		
Topcoat Curing Oven	Total Particulate Matter	50	Run 1 – 1.2 Run 2 – 0.4	mg/m ³	273K, 101.3kPa	05/10/10	1215 – 1247 1250 - 1322	BS EN 13284-1	Normal	
	Volatile Organic Compounds	150	4.9	mg/m ³			1105 - 1205	BS EN 13526		
	Isocyanates	0.1	<0.002	mg/m ³		06/10/10	1110 - 1210	USEPA 36		
Paint Kitchen	Volatile Organic Compounds	150	15.8	mg/m ³	273K, 101.3kPa	05/10/10	1206 - 1305	BS EN 13526	Normal	

Emission Point Reference	Substance to be Monitored	Emission Limit Value	Periodic Monitoring Result	Units	Reference Conditions 273 K, 101.3 kPa	Date of Sampling	Start and End Times		Monitoring Method Reference	Operating Status
Off line Booth 1	Total Particulate Matter	50	Run 1 – 1.3 Run 2 – 1.1	mg/m ³	273K, 101.3kPa	07/10/10	1215 – 1247 1250 - 1322	BS EN 13284-1	Normal	
	Volatile Organic Compounds	150	7.6	mg/m ³			0900 - 1000	BS EN 13526		
	Isocyanates	0.1	<0.002	mg/m ³		06/10/10	1325 - 1425	USEPA 36		
Off line Booth 2	Total Particulate Matter	50	Run 1 – 0.9 Run 2 – 1.8	mg/m ³	273K, 101.3kPa	07/10/10	1105 – 1137 1140 - 1212	BS EN 13284-1	Normal	
	Volatile Organic Compounds	150	12.5	mg/m ³			1003 - 1103	BS EN 13526		
	Isocyanates	0.1	<0.002	mg/m ³		06/10/10	1220 - 1320	USEPA 36		

2 Supporting Information (Held by Redwing Environmental Ltd)**2.1 General Information****2.1.1 Redwing Environmental Ltd staff details**

Vicki Gavin
Tony Berek

2.2 Redwing Environmental Ltd method details**2.2.1 Volatile organic compounds (BS EN 13526: 2001)**

- 2.2.2 Monitoring to determine VOC emission concentrations was in accordance with BS EN 13526: 2001.
- 2.2.3 Volatile organic compound concentrations were measured using a Signal portable heated VOC analyser. The analyser works by burning the gas sample in a hydrogen flame. This ionises any organic compounds present and the current produced across an electric field is proportional to the number of carbon atoms.
- 2.2.4 The analyser and heated line will be zeroed and calibrated with a test gas (80 ppm and or 800ppm propane) prior to each sampling run. VOC sampling will be undertaken over a period of at least 30 minutes to cover any process variation.
- 2.2.5 All data was logged onto a Grant Squirrel data logger set at 20 second logging.
- 2.2.6 A heated line from the sample point to analyser was used to ensure that condensation did not occur leading to the loss of sample concentration.Volatile organic compounds.

2.3 Stack Velocity, Pressure and Temperature Measurements

- 2.3.1 The stack velocity, pressure and temperature will be measured by full pitot traverses of the duct using the points provided. Measurements will be taken at the relevant positions based on the particulate standard followed.

2.4 Leak tests for extractive techniques

- 2.4.1 All extractive-sampling techniques were tested for leaks before sampling proceeded. Any leaks present were eliminated prior to sampling and will be reported.
- 2.4.2 Leak checks are carried out during the calibrating procedure, as the concentration of the calibration gas is known it is readily indentified if air is entering the sample line and diluting the gas.

2.5 Particulate matter BS EN 13284-1: 2002

- 2.5.1 Total particulate matter was sampled using a Zambelli isokinetic sampling system in accordance with BS EN 13284-1: 2002 – Determination of Low Range Mass Concentration of dust (< 50mg/m³).
- 2.5.2 The Zambelli sampling system monitors temperature, static pressure and velocities within the duct using an S-type pitot tube and K-type thermocouple. The sampling rate was continuously monitored and adjusted relative to the duct velocity to ensure isokinetic-sampling conditions were maintained throughout the monitoring period.
- 2.5.3 Exhaust gases were drawn under isokinetic conditions from the exhaust points using the Zambelli sampling probe, particulate matter was then collected on a pre-weighed glass fibre filter (or most suitable filter for process) contained within the filter cassette holder, and the total particulate matter determined gravimetrically.
- 2.5.4 It is also necessary to wash the probe and nozzle out with water and then acetone between sampling and the weight of the probe washing added to that collected on the sample filter. Analysis of an acetone/water blank will be carried out and the result corrected accordingly.
- 2.5.5 The sample positions were calculated with respect to BS EN 13284-1: 2002 – Stationary source emissions – Determination of Low Range Mass Concentration of dust.
- 2.5.6 Sampling may be carried out internally or externally, the method used will be reported and provided there are no deviations from the method the uncertainty for the monitoring procedure is reported to be within the requirements specified by the Hazardous Waste Directive (HWD) as stated in the Environment Agency Technical Document M2

Uncertainty: ± 30%

- 2.5.7 ISO 9096: 2003 and BS EN 13284-1: 2002 are very similar methods but BS EN 13284-1: 2002 recommends the use of an 8mm nozzle and nozzles less than 6mm should not be used.

2.6 Isocyanates (USEPA CTM 36a)

- 2.6.1 There are several Isocyanates; these include TDI, MDI, HDI and IPDI. The isocyanate to be monitored is HDI (1,6 – hexamethylene diisocyanate). All Isocyanates follow the same procedure for sampling and analysis.
- 2.6.2 Isocyanates can be sampled non-isokinetically following MDHS 25 or isokinetically following the USEPA CTM 36
- 2.6.3 The method used was isokinetic method. A sample probe was placed inside the stack; the sample probe was heated.
- 2.6.4 The samples are stored in brown glass bottles and submitted for analysis. The samples will be ‘blown down’ to dryness using air and made upto 1ml using the most suitable matrix (usually acetonitrile). The sample will then be ready for analysis by HPLC (High Pressure Liquid Chromatography).

3.0 Quality Assurance

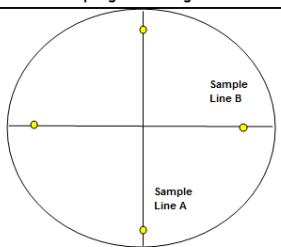
- 3.1 Redwing Environmental Ltd will always endeavour to follow the methods specified in the Environment Agency Technical Guidance M2. The methods followed will be listed as our Technical Procedures and will be put forward for UKAS accreditation. Redwing Environmental Ltd is a member of the Source Testing Association (STA) and therefore operates under the STA's code of practice.
- 3.2 Redwing Environmental Ltd is accredited to ISO 9001:2008 and ISO 17025:2005.

4.0 Disclaimer

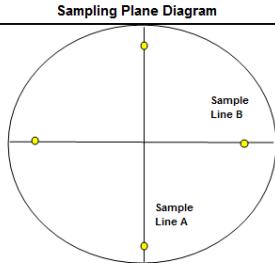
- 4.1 Redwing Environmental Ltd confirms that in preparing this report all reasonable skill and care has been exercised.
- 4.1.1 Unless specifically assigned or transferred within the terms of the agreement, Redwing Environmental Ltd asserts and retains all copyright, and other Intellectual Property Rights, in and over the report and its contents.

APPENDIX A

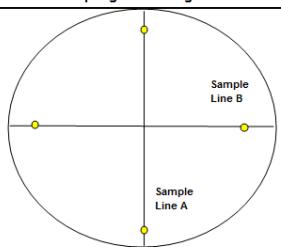
Particulate & Velocity Results

Client	Terex Compact Equipment								
Site Address	Central Boulevard, Prologis Park, Coventry, CV6 4BX								
Job Number	P-RED10-090/EB/R1/Rev0								
Date	05/10/2010								
Operator(s)	Vicki Gavin & Tony Berek								
Stack Reference	Topcoat Curing Oven			Isokinetic Sample Positions (%) multiply by diameter to obtain sample points		Sampling Plane Diagram			
Number of Stacks	1			1	14.60				
Stack Configuration	Round			2	85.40				
Dimensions (mtrs)	0.60			3	N/A				
Outlet Diameter (if applicable) (metres)				4	N/A				
Number of Sample Ports	2			5	N/A				
Number of Samples per Axis / Port	2			6	N/A				
Nozzle Diameter (mm)	7.0			7	N/A				
Nozzle Area (m²)	0.00003847			8	N/A				
Stack Area (m²)	0.283			Average Isokinetic Flow Rate (ltrs/min)			Axis 1	Axis 2	
Pitot Coefficient	0.70	Pitot Calibration Date			April 2010			Atmos. Pressure (kPa)	
Position	Distance	Axis 1	Temperature	Swirl Test	Axis 2	Temperature	Swirl Test	100.0	
No.	(cms)	(pa)	(C)	Pass (Y/N)	(pa)	(C)	Pass (Y/N)	Static Pressure (pa)	
1	8.76	109	54.5	Y	110	54.5	Y	23.0	
Y	51.24	126	54.5	Y	119	54.6	Y	1 Axis	2 Axis
3	N/A							Velocity of flow (Nm/s)	
4	N/A							10.40	10.27
5	N/A							Volume Flow Rate (Nm³/s)	
6	N/A							2.94	2.90
7	N/A							Reduced Exit Velocity (m/s)	
8	N/A								
Averages		118	54.5		115	54.6		N/A	
Mean Flue Gas Temp (in K) Tp = ((Mean T1 + Mean T2)/2)+273)) =								327.50	
Permitted Range of gas temperature readings (C) = (0.95Tp-273) to (1.05Tp-273) =								to	70.88
Highest Velocity Reading (m/s) =								11.1	
Lowest Velocity Reading (m/s) =								10.0	
Ratio Highest/Lowest (Max permitted = 3:1)								1.11 : 1	
On site Checklist									
Range of Gas Temps	OK				Manometer Leak Check			OK	
Leak Check recorded (l/min)	<0.2				Pitot Leak Check			OK	
Leak Check < 2% Vol (l/min)	0.48				Overall Isokinetic Ratio (%) (must be 95 to 115%)			Run 1	Run 2
Passed minimum Velocity requirements (>5pa)	YES								
Negative Local Flow Present, YES or NO (Yes = Fail)	NO				Are there sufficient rails and kick board? (YES , NO or N/A)				YES
Is the Platform area greater than 5m²? (YES, NO or N/A)	YES				Is the area in front of the sample line the length of the probe + 1 metre? (YES or NO)				YES
Passed Highest to lowest Velocity (3:1)	YES								
Site Equipment Used									
Pitot Reference	RED 030617				Manometer Reference			RED 0132	
Thermometer Reference	RED 0205				Thermocouple Reference			RED 0344	
Balance Reference	N/A				Sampling Pump Reference			RED 0258	
Tape Measure Reference	RED 0121				Barometer Reference			RED 0243	

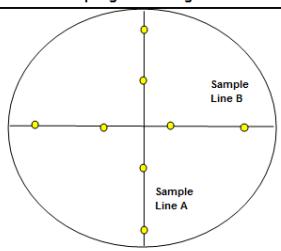
Stack Reference ID		Topcoat Curing Oven								
		Terex Compact Equipment								
		RUN 1			RUN 2					
Filter Reference No		Q47-130910-16			Q47-130910-17					
Date		05-Oct-10			05-Oct-10					
Sample Period		12:15	to	12:47	12:50	to	13:22			
Velocity (Nm/s)		10.34								
Volume (Nm ³ /hr)		10520								
Average Stack Temp (°C)		54.50								
Permitted Temp Range (°C)		38.13		to	70.88					
Lowest Velocity Reading (m/s)		10.02								
Highest Velocity Reading (m/s)		11.11								
Ratio (less than 3:1)		1.11		:	1					
Oxygen %		20.4								
Carbon Dioxide %		0.20								
Moisture (%)		3.05								
Litres sampled		752			761					
Corrected volume sampled (m ³)		0.712			0.718					
Blank Filter Run (mg/m ³)		0.000								
Blank Wash Run (mg/m ³)		0.294								
Particulate weight collected on filter (mg)		0.000			0.190					
Particulate Concentration on Filter (mg/m ³)		0.00			0.26					
Particulate weight collected in Wash (mg)		0.82			0.12					
Particulate Concentration in Wash (mg/m ³)		1.15			0.17					
Total Particulate Concentration (mg/m ³)		1.15			0.43					
Total Particulate Concentration corrected for Oxygen, dry gas (mg/m ³)		N/A			N/A					
Total Particulate Mass Emission (kg/hour)		0.043			0.016					

Client	Terex Compact Equipment							
Site Address	Central Boulevard, Prologis Park, Coventry, CV6 4BX							
Job Number	P-RED10-090/EB/R1/Rev0							
Date	07/10/2010							
Operator(s)	Vicki Gavin & Tony Berek							
Stack Reference		Topcoat Flash Off			Isokinetic Sample Positions (%) multiply by diameter to obtain sample points			
					1	14.60		
Number of Stacks		1	2	85.40	3	N/A		
Stack Configuration		Round	4	N/A	5	N/A		
Dimensions (mtrs)		0.90	6	N/A	7	N/A		
Outlet Diameter (if applicable) (metres)			8	N/A				
Number of Sample Ports		2						
Number of Samples per Axis / Port		2						
Nozzle Diameter (mm)		7.0						
Nozzle Area (m ²)		0.00003647						
Stack Area (m ²)		0.636						
Pitot Coefficient	0.70	Pitot Calibration Due Date			April 2011		Atmos. Pressure (kPa)	
Position	Distance	Axis 1	Temperature	Swirl Test	Axis 2	Temperature	Swirl Test	102.0
No.	(cms)	(pa)	(C)	Pass (Y/N)	(pa)	(C)	Pass (Y/N)	Static Pressure (pa)
1	13.14	84	53.3	Y	100	53.3	Y	36.0
Y	76.86	129	53.3	Y	141	53.3	Y	1 Axis 2 Axis
3	N/A							Velocity of flow (Nm/s)
4	N/A							9.79 10.41
5	N/A							Volume Flow Rate (Nm ³ /s)
6	N/A							6.23 6.62
7	N/A							
8	N/A							Reduced Exit Velocity (m/s)
Averages		107	53.3		121	53.3		N/A
Mean Flue Gas Temp (in K) Tp = ((Mean T1 + Mean T2)/2)+273)) =								326.30
Permitted Range of gas temperature readings (C) = (0.95Tp-273) to (1.05Tp-273) =								36.99 to 69.62
Highest Velocity Reading (m/s) =								11.6
Lowest Velocity Reading (m/s) =								8.7
Ratio Highest/Lowest (Max permitted = 3:1)								1.34 : 1
On site Checklist								
Range of Gas Temps	OK			Manometer Leak Check		OK		
Leak Check recorded (l/min)	<0.2			Pitot Leak Check		OK		
Leak Check < 2% Vol (l/min)	0.45			Overall Isokinetic Ratio (%) (must be 95 to 115%)		Run 1	Run 2	
Passed minimum Velocity requirements (>5pa)	YES					95.5	99.8	
Negative Local Flow Present, YES or NO (Yes = Fail)	NO			Are there sufficient rails and kick board? (YES , NO or N/A)		YES		
Is the Platform area greater than 5m ² ? (YES, NO or N/A)	YES			Is the area in front of the sample line the length of the probe + 1 metre? (YES or NO)		YES		
Passed Highest to lowest Velocity (3:1)	YES							
Site Equipment Used								
Pitot Reference	RED 030617			Manometer Reference		RED 0132		
Thermometer Reference	RED 0205			Thermocouple Reference		RED 0344		
Balance Reference	N/A			Sampling Pump Reference		RED 0258		
Tape Measure Reference	RED 0121			Barometer Reference		RED 0243		

Stack Reference ID		Topcoat Flash Off								
		Terex Compact Equipment								
		RUN 1			RUN 2					
Filter Reference No		Q47-130910-23			Q47-130910-24					
Date		07-Oct-10			07-Oct-10					
Sample Period		13:25	to	13:57	14:00	to	14:32			
Velocity (Nm/s)		10.10								
Volume (Nm ³ /hr)		23129								
Average Stack Temp (°C)		53.30								
Permitted Temp Range (°C)		36.99		to	69.62					
Lowest Velocity Reading (m/s)		8.69								
Highest Velocity Reading (m/s)		11.62								
Ratio (less than 3:1)		1.34		:	1					
Oxygen %		20.4								
Carbon Dioxide %		0.20								
Moisture (%)		3.05								
Litres sampled		728			736					
Corrected volume sampled (m ³)		0.678			0.684					
Blank Filter Run (mg/m ³)		0.000								
Blank Wash Run (mg/m ³)		0.308								
Particulate weight collected on filter (mg)		0.010			0.000					
Particulate Concentration on Filter (mg/m ³)		0.01			0.00					
Particulate weight collected in Wash (mg)		0.06			0.02					
Particulate Concentration in Wash (mg/m ³)		0.09			0.03					
Total Particulate Concentration (mg/m ³)		0.10			0.03					
Total Particulate Concentration corrected for Oxygen, dry gas (mg/m ³)		N/A			N/A					
Total Particulate Mass Emission (kg/hour)		0.004			0.001					

Client	Terex Compact Equipment								
Site Address	Central Boulevard, Prologis Park, Coventry, CV6 4BX								
Job Number	P-RED10-090/EB/R1/Rev0								
Date	05/10/2010								
Operator(s)	Vicki Gavin & Tony Berek								
Stack Reference	Primer Flash Off			Isokinetic Sample Positions (%) multiply by diameter to obtain sample points		Sampling Plane Diagram			
Number of Stacks		1	2	14.60					
Stack Configuration		Round	3	N/A					
Dimensions (mtrs)		0.80	4	N/A					
Outlet Diameter (if applicable) (metres)			5	N/A					
Number of Sample Ports		2	6	N/A					
Number of Samples per Axis / Port		2	7	N/A					
Nozzle Diameter (mm)		8.0	8	N/A					
Nozzle Area (m²)		0.00005024	Average Isokinetic Flow Rate (ltrs/min)					Axis 1	Axis 2
Stack Area (m²)		0.503				25.23	24.67		
Pitot Coefficient	0.70	Pitot Calibration Due Date			April 2009			Atmos. Pressure (kPa)	
Position	Distance	Axis 1	Temperature	Swirl Test	Axis 2	Temperature	Swirl Test	99.0	
No.	(cms)	(pa)	(C)	Pass (Y/N)	(pa)	(C)	Pass (Y/N)	Static Pressure (pa)	
1	11.68	75	31.4	Y	70	31.4	Y	22.0	
Y	68.32	87	31.4	Y	85	31.4	Y	1 Axis	2 Axis
3	N/A							Velocity of flow (Nm/s)	
4	N/A							8.37	8.19
5	N/A							Volume Flow Rate (Nm³/s)	
6	N/A							4.21	4.11
7	N/A							Reduced Exit Velocity (m/s)	
8	N/A								
Averages		81	31.4		78	31.4		N/A	
Mean Flue Gas Temp (in K) Tp = ((Mean T1 + Mean T2)/2)+273)) =								304.40	
Permitted Range of gas temperature readings (C) = (0.95Tp-273) to (1.05Tp-273) =								16.18	to 46.62
Highest Velocity Reading (m/s) =								8.9	
Lowest Velocity Reading (m/s) =								7.8	
Ratio Highest/Lowest (Max permitted = 3:1)								1.15 : 1	
On site Checklist									
Range of Gas Temps	OK				Manometer Leak Check			OK	
Leak Check recorded (l/min)	<0.2				Pitot Leak Check			OK	
Leak Check < 2% Vol (l/min)	0.50				Overall Isokinetic Ratio (%) (must be 95 to 115%)			Run 1	Run 2
Passed minimum Velocity requirements (>5pa)	YES							96.0	106.1
Negative Local Flow Present, YES or NO (Yes = Fail)	NO				Are there sufficient rails and kick board? (YES , NO or N/A)			YES	
Is the Platform area greater than 5m²? (YES, NO or N/A)	YES				Is the area in front of the sample line the length of the probe + 1 metre? (YES or NO)			YES	
Passed Highest to lowest Velocity (3:1)	YES								
Site Equipment Used									
Pitot Reference	RED 030617				Manometer Reference			RED 0132	
Thermometer Reference	RED 0205				Thermocouple Reference			RED 0344	
Balance Reference	N/A				Sampling Pump Reference			RED 0258	
Tape Measure Reference	RED 0121				Barometer Reference			RED 0243	

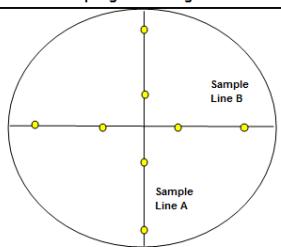
Stack Reference ID		Primer Flash Off												
		Terex Compact Equipment												
		RUN 1			RUN 2									
Filter Reference No		Q47-130910-11			Q47-130910-12									
Date		05-Oct-10			05-Oct-10									
Sample Period		12:40	to	13:12	13:20	to	13:52							
Velocity (Nm/s)		8.28												
Volume (Nm ³ /hr)		14977												
Average Stack Temp (°C)		31.40												
Permitted Temp Range (°C)		16.18		to	46.62									
Lowest Velocity Reading (m/s)		7.78												
Highest Velocity Reading (m/s)		8.95												
Ratio (less than 3:1)		1.15		:	1									
Oxygen %		20.4												
Carbon Dioxide %		0.20												
Moisture (%)		3.05												
Litres sampled		760		773										
Corrected volume sampled (m ³)		0.728		0.736										
Blank Filter Run (mg/m ³)		0.000												
Blank Wash Run (mg/m ³)		0.287												
Particulate weight collected on filter (mg)		0.000		0.030										
Particulate Concentration on Filter (mg/m ³)		0.00		0.04										
Particulate weight collected in Wash (mg)		0.49		0.22										
Particulate Concentration in Wash (mg/m ³)		0.67		0.30										
Total Particulate Concentration (mg/m ³)		0.67		0.34										
Total Particulate Concentration corrected for Oxygen, dry gas (mg/m ³)		N/A		N/A										
Total Particulate Mass Emission (kg/hour)		0.020		0.010										

Client	Terex Compact Equipment						
Site Address	Central Boulevard, Prologis Park, Coventry, CV6 4BX						
Job Number	P-RED10-090/EB/R1/Rev0						
Date	05/10/2010						
Operator(s)	Vicki Gavin & Tony Berek						
Stack Reference		Topcoat Booth 1			Isokinetic Sample Positions (%) multiply by diameter to obtain sample points		Sampling Plane Diagram 
					1	6.70	
Number of Stacks		1	2	25.00	3	75.00	
Stack Configuration		Round	4	93.30	5	N/A	
Dimensions (mtrs)		1.60	6	N/A	7	N/A	
Outlet Diameter (if applicable) (metres)			8	N/A	9	N/A	
Number of Sample Ports		2	10	N/A	11	N/A	
Number of Samples per Axis / Port		4	12	N/A	13	N/A	
Nozzle Diameter (mm)		8.0	14	N/A	15	N/A	
Nozzle Area (m ²)		0.00005024	16	Average Isokinetic Flow Rate (ltrs/min)	17	Axis 1	
Stack Area (m ²)		2.011	18	18.84	19	19.78	
Pitot Coefficient	0.70	Pitot Calibration Due Date			April 2011		Atmos. Pressure (kPa)
Position	Distance	Axis 1	Temperature	Swirl Test	Axis 2	Temperature	Swirl Test
No.	(cms)	(pa)	(C)	Pass (Y/N)	(pa)	(C)	Pass (Y/N)
1	10.72	48	22.9	Y	43	22.9	Y
Y	40.00	44	22.9	Y	54	22.9	Y
3	120.00	49	22.9	Y	51	22.9	Y
4	149.28	45	22.9	Y	57	22.9	Y
5	N/A						
6	N/A						
7	N/A						
8	N/A						
Averages		47	22.9		51	22.9	
Mean Flue Gas Temp (in K) Tp = ((Mean T1 + Mean T2)/2)+273)) =						295.90	
Permitted Range of gas temperature readings (C) = (0.95Tp-273) to (1.05Tp-273) =					8.10	to	37.70
Highest Velocity Reading (m/s) =							7.1
Lowest Velocity Reading (m/s) =							6.0
Ratio Highest/Lowest (Max permitted = 3:1)							1.19 : 1
On site Checklist							
Range of Gas Temps	OK			Manometer Leak Check		OK	
Leak Check recorded (l/min)	<0.2			Pitot Leak Check		OK	
Leak Check < 2% Vol (l/min)	0.38			Overall Isokinetic Ratio (%) (must be 95 to 115%)		Run 1	Run 2
Passed minimum Velocity requirements (>5pa)	YES					105.3	95.2
Negative Local Flow Present, YES or NO (Yes = Fail)	NO			Are there sufficient rails and kick board? (YES , NO or N/A)		YES	
Is the Platform area greater than 5m ² ? (YES, NO or N/A)	YES			Is the area in front of the sample line the length of the probe + 1 metre? (YES or NO)		YES	
Passed Highest to lowest Velocity (3:1)	YES						
Site Equipment Used							
Pitot Reference	RED 030605			Manometer Reference		RED 0132	
Thermometer Reference	RED 0205			Thermocouple Reference		RED 0250	
Balance Reference	N/A			Sampling Pump Reference		RED 0258	
Tape Measure Reference	RED 0121			Barometer Reference		RED 0243	

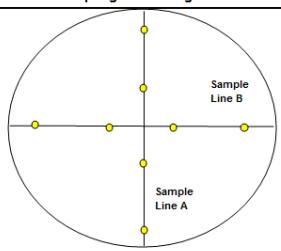
Stack Reference ID		Topcoat Booth 1						
		Terex Compact Equipment						
		RUN 1			RUN 2			
Filter Reference No		Q47-130910-13			Q47-130910-14			
Date		05-Oct-10			05-Oct-10			
Sample Period		13:55	to	14:27	14:30	to		
Velocity (Nm/s)		6.41						
Volume (Nm ³ /hr)		46376						
Average Stack Temp (°C)		22.90						
Permitted Temp Range (°C)		8.10		to	37.70			
Lowest Velocity Reading (m/s)		6.01						
Highest Velocity Reading (m/s)		7.14						
Ratio (less than 3:1)		1.19		:	1			
Oxygen %		20.4						
Carbon Dioxide %		0.20						
Moisture (%)		3.05						
Litres sampled		684			640			
Corrected volume sampled (m ³)		0.651			0.609			
Blank Filter Run (mg/m ³)		0.000						
Blank Wash Run (mg/m ³)		0.333						
Particulate weight collected on filter (mg)		0.020			0.050			
Particulate Concentration on Filter (mg/m ³)		0.03			0.08			
Particulate weight collected in Wash (mg)		0.00			0.02			
Particulate Concentration in Wash (mg/m ³)		0.00			0.03			
Total Particulate Concentration (mg/m ³)		0.03			0.11			
Total Particulate Concentration corrected for Oxygen, dry gas (mg/m ³)		N/A			N/A			
Total Particulate Mass Emission (kg/hour)		0.001			0.003			

Client	Terex Compact Equipment						
Site Address	Central Boulevard, Prologis Park, Coventry, CV6 4BX						
Job Number	P-RED10-090/EB/R1/Rev0						
Date	05/10/2010						
Operator(s)	Vicki Gavin & Tony Berek						
Stack Reference	Topcoat Booth 2			Isokinetic Sample Positions (%) multiply by diameter to obtain sample points		Sampling Plane Diagram	
Number of Stacks		1		1	6.70		
Stack Configuration		Round		2	25.00		
Dimensions (mtrs)		1.60		3	75.00		
Outlet Diameter (if applicable) (metres)				4	93.30		
Number of Sample Ports		2		5	N/A		
Number of Samples per Axis / Port		4		6	N/A		
Nozzle Diameter (mm)		8.0		7	N/A		
Nozzle Area (m²)		0.00005024		8	N/A		
Stack Area (m²)		2.011		Average Isokinetic Flow Rate (ltrs/min)		Axis 1	Axis 2
Pitot Coefficient	0.70	Pitot Calibration Date			April 2010		Atmos. Pressure (kPa)
Position	Distance	Axis 1	Temperature	Swirl Test	Axis 2	Temperature	Swirl Test
No.	(cms)	(pa)	(C)	Pass (Y/N)	(pa)	(C)	Pass (Y/N)
1	10.72	47	23.5	Y	46	23.5	Y
Y	40.00	48	23.5	Y	47	23.5	Y
3	120.00	64	23.5	Y	58	23.5	Y
4	149.28	59	23.5	Y	51	23.5	Y
5	N/A						
6	N/A						
7	N/A						
8	N/A						
Averages	55	23.5		51	23.5		N/A
Mean Flue Gas Temp (in K) Tp = ((Mean T1 + Mean T2)/2)+273)) =						296.50	
Permitted Range of gas temperature readings (C) = (0.95Tp-273) to (1.05Tp-273) =						8.68	to 38.33
Highest Velocity Reading (m/s) =							7.6
Lowest Velocity Reading (m/s) =							6.2
Ratio Highest/Lowest (Max permitted = 3:1)							1.22 : 1
On site Checklist							
Range of Gas Temps	OK			Manometer Leak Check		OK	
Leak Check recorded (l/min)	<0.2			Pitot Leak Check		OK	
Leak Check < 2% Vol (l/min)	0.41			Overall Isokinetic Ratio (%) (must be 95 to 115%)		Run 1	Run 2
Passed minimum Velocity requirements (>5pa)	YES			110.1		101.1	
Negative Local Flow Present, YES or NO (Yes = Fail)	NO			Are there sufficient rails and kick board? (YES , NO or N/A)		YES	
Is the Platform area greater than 5m²? (YES, NO or N/A)	YES			Is the area in front of the sample line the length of the probe + 1 metre? (YES or NO)		YES	
Passed Highest to lowest Velocity (3:1)	YES						
Site Equipment Used							
Pitot Reference	RED 030605			Manometer Reference		RED 0132	
Thermometer Reference	RED 0205			Thermocouple Reference		RED 0250	
Balance Reference	N/A			Sampling Pump Reference		RED 0258	
Tape Measure Reference	RED 0121			Barometer Reference		RED 0243	

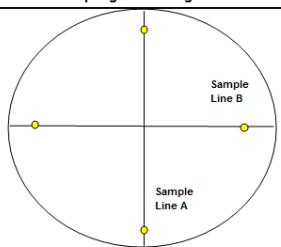
Stack Reference ID		Topcoat Booth 2						
		Terex Compact Equipment						
		RUN 1			RUN 2			
Filter Reference No		Q47-130910-09			Q47-130910-10			
Date		05-Oct-10			05-Oct-10			
Sample Period		11:20	to	11:52	12:00	to		
Velocity (Nm/s)		6.65						
Volume (Nm ³ /hr)		48119						
Average Stack Temp (°C)		23.50						
Permitted Temp Range (°C)		8.68		to	38.33			
Lowest Velocity Reading (m/s)		6.22						
Highest Velocity Reading (m/s)		7.57						
Ratio (less than 3:1)		1.22		:	1			
Oxygen %		20.4						
Carbon Dioxide %		0.20						
Moisture (%)		3.05						
Litres sampled		646			595			
Corrected volume sampled (m ³)		0.621			0.568			
Blank Filter Run (mg/m ³)		0.000						
Blank Wash Run (mg/m ³)		0.353						
Particulate weight collected on filter (mg)		0.080			0.040			
Particulate Concentration on Filter (mg/m ³)		0.13			0.07			
Particulate weight collected in Wash (mg)		0.39			0.23			
Particulate Concentration in Wash (mg/m ³)		0.63			0.40			
Total Particulate Concentration (mg/m ³)		0.76			0.48			
Total Particulate Concentration corrected for Oxygen, dry gas (mg/m ³)		N/A			N/A			
Total Particulate Mass Emission (kg/hour)		0.018			0.012			

Client	Terex Compact Equipment						
Site Address	Central Boulevard, Prologis Park, Coventry, CV6 4BX						
Job Number	P-RED10-090/EB/R1/Rev0						
Date	06/10/2010						
Operator(s)	Vicki Gavin & Tony Berek						
Stack Reference	Primer Booth 1			Isokinetic Sample Positions (%) multiply by diameter to obtain sample points		Sampling Plane Diagram	
Number of Stacks		1		1	6.70		
Stack Configuration		Round		2	25.00		
Dimensions (mtrs)		1.60		3	75.00		
Outlet Diameter (if applicable) (metres)				4	93.30		
Number of Sample Ports		2		5	N/A		
Number of Samples per Axis / Port		4		6	N/A		
Nozzle Diameter (mm)		8.0		7	N/A		
Nozzle Area (m ²)		0.00005024		8	N/A		
Stack Area (m ²)		2.011				Average Isokinetic Flow Rate (ltrs/min)	
Pitot Coefficient	0.70	Pitot Calibration Due Date					
Position	Distance	Axis 1	Temperature	Swirl Test	Axis 2	Temperature	Atmos. Pressure (kPa)
No.	(cms)	(pa)	(C)	Pass (Y/N)	(pa)	(C)	100.0
1	10.72	39	22.2	Y	35	22.2	Static Pressure (pa)
Y	40.00	45	22.2	Y	43	22.2	-3.0
3	120.00	51	22.2	Y	49	22.2	1 Axis
4	149.28	43	22.2	Y	51	22.2	2 Axis
5	N/A						Velocity of flow (Nm/s)
6	N/A						6.08
7	N/A						6.08
8	N/A						Volume Flow Rate (Nm ³ /s)
Averages	45	22.2			45	22.2	12.22
							12.22
							Reduced Exit Velocity (m/s)
Mean Flue Gas Temp (in K) Tp = ((Mean T1 + Mean T2)/2)+273)) =							295.20
Permitted Range of gas temperature readings (C) = (0.95Tp-273) to (1.05Tp-273) =						7.44	to 36.96
Highest Velocity Reading (m/s) =							6.7
Lowest Velocity Reading (m/s) =							5.4
Ratio Highest/Lowest (Max permitted = 3:1)							1.25 : 1
On site Checklist							
Range of Gas Temps	OK			Manometer Leak Check		OK	
Leak Check recorded (l/min)	<0.2			Pitot Leak Check		OK	
Leak Check < 2% Vol (l/min)	0.37			Overall Isokinetic Ratio (%) (must be 95 to 115%)		Run 1	Run 2
Passed minimum Velocity requirements (>5pa)	YES					100.7	101.4
Negative Local Flow Present, YES or NO (Yes = Fail)	NO			Are there sufficient rails and kick board? (YES , NO or N/A)		YES	
Is the Platform area greater than 5m ² ? (YES, NO or N/A)	YES			Is the area in front of the sample line the length of the probe + 1 metre? (YES or NO)		YES	
Passed Highest to lowest Velocity (3:1)	YES						
Site Equipment Used							
Pitot Reference	RED 030605			Manometer Reference		RED 0132	
Thermometer Reference	RED 0205			Thermocouple Reference		RED 0250	
Balance Reference	N/A			Sampling Pump Reference		RED 0258	
Tape Measure Reference	RED 0121			Barometer Reference		RED 0243	

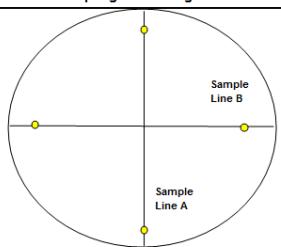
Stack Reference ID		Primer Booth 1												
		Terex Compact Equipment												
		RUN 1			RUN 2									
Filter Reference No		Q47-130910-18			Q47-130910-19									
Date		06-Oct-10			06-Oct-10									
Sample Period		13:25	to	14:00	14:05	to	14:37							
Velocity (Nm/s)		6.08												
Volume (Nm ³ /hr)		43991												
Average Stack Temp (°C)		22.20												
Permitted Temp Range (°C)		7.44		to	36.96									
Lowest Velocity Reading (m/s)		5.39												
Highest Velocity Reading (m/s)		6.71												
Ratio (less than 3:1)		1.25		:	1									
Oxygen %		20.4												
Carbon Dioxide %		0.20												
Moisture (%)		3.05												
Litres sampled		655		610										
Corrected volume sampled (m ³)		0.621		0.576										
Blank Filter Run (mg/m ³)		0.000												
Blank Wash Run (mg/m ³)		0.351												
Particulate weight collected on filter (mg)		0.110		0.010										
Particulate Concentration on Filter (mg/m ³)		0.18		0.02										
Particulate weight collected in Wash (mg)		1.17		0.37										
Particulate Concentration in Wash (mg/m ³)		1.89		0.64										
Total Particulate Concentration (mg/m ³)		2.06		0.66										
Total Particulate Concentration corrected for Oxygen, dry gas (mg/m ³)		N/A		N/A										
Total Particulate Mass Emission (kg/hour)		0.045		0.014										

Client	Terex Compact Equipment								
Site Address	Central Boulevard, Prologis Park, Coventry, CV6 4BX								
Job Number	P-RED10-090/EB/R1/Rev0								
Date	06/10/2010								
Operator(s)	Vicki Gavin & Tony Berek								
Stack Reference	Primer Booth 2			Isokinetic Sample Positions (%) multiply by diameter to obtain sample points		Sampling Plane Diagram			
Number of Stacks		1	2	6.70					
Stack Configuration		Round	3	25.00					
Dimensions (mtrs)		1.60	4	75.00					
Outlet Diameter (if applicable) (metres)			5	N/A					
Number of Sample Ports		2	6	N/A					
Number of Samples per Axis / Port		4	7	N/A					
Nozzle Diameter (mm)		8.0	8	N/A					
Nozzle Area (m²)		0.00005024	Average Isokinetic Flow Rate (ltrs/min)					Axis 1	Axis 2
Stack Area (m²)		2.011			17.62	17.36			
Pitot Coefficient	0.70	Pitot Calibration Due Date			Atmos. Pressure (kPa)				
Position	Distance	Axis 1	Temperature	Swirl Test	Axis 2	Temperature	Swirl Test		
No.	(cms)	(pa)	(C)	Pass (Y/N)	(pa)	(C)	Pass (Y/N)		
1	10.72	52	15.8	Y	63	15.8	Y		
Y	40.00	27	15.8	Y	22	15.8	Y		
3	120.00	53	15.8	Y	39	15.8	Y		
4	149.28	38	15.8	Y	41	15.8	Y		
5	N/A								
6	N/A								
7	N/A								
8	N/A								
Averages		43	15.8		41	15.8			
Mean Flue Gas Temp (in K) Tp = ((Mean T1 + Mean T2)/2)+273)) =					288.80				
Permitted Range of gas temperature readings (C) = (0.95Tp-273) to (1.05Tp-273) =					1.36	to	30.24		
Highest Velocity Reading (m/s) =							7.3		
Lowest Velocity Reading (m/s) =							4.2		
Ratio Highest/Lowest (Max permitted = 3:1)							1.75 : 1		
On site Checklist									
Range of Gas Temps	OK			Manometer Leak Check		OK			
Leak Check recorded (l/min)	<0.2			Pitot Leak Check		OK			
Leak Check < 2% Vol (l/min)	0.35			Overall Isokinetic Ratio (%) (must be 95 to 115%)		Run 1	Run 2		
Passed minimum Velocity requirements (>5pa)	YES							102.2	99.1
Negative Local Flow Present, YES or NO (Yes = Fail)	NO								YES
Is the Platform area greater than 5m²? (YES, NO or N/A)	YES			Are there sufficient rails and kick board? (YES , NO or N/A)		YES			
Passed Highest to lowest Velocity (3:1)	YES			Is the area in front of the sample line the length of the probe + 1 metre? (YES or NO)		YES			
Site Equipment Used									
Pitot Reference	RED 030605			Manometer Reference		RED 0132			
Thermometer Reference	RED 0205			Thermocouple Reference		RED 0250			
Balance Reference	N/A			Sampling Pump Reference		RED 0258			
Tape Measure Reference	RED 0121			Barometer Reference		RED 0243			

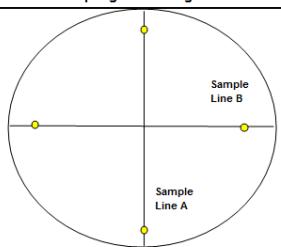
Stack Reference ID		Primer Booth 2						
		Terex Compact Equipment						
		RUN 1			RUN 2			
Filter Reference No		Q47-130910-21			Q47-130910-22			
Date		06-Oct-10			06-Oct-10			
Sample Period		8:30	to	9:02	9:05	to		
Velocity (Nm/s)		5.80						
Volume (Nm ³ /hr)		41998						
Average Stack Temp (°C)		15.80						
Permitted Temp Range (°C)		1.36		to	30.24			
Lowest Velocity Reading (m/s)		4.21						
Highest Velocity Reading (m/s)		7.34						
Ratio (less than 3:1)		1.75		:	1			
Oxygen %		20.4						
Carbon Dioxide %		0.20						
Moisture (%)		3.05						
Litres sampled		640			660			
Corrected volume sampled (m ³)		0.618			0.633			
Blank Filter Run (mg/m ³)		0.000						
Blank Wash Run (mg/m ³)		0.336						
Particulate weight collected on filter (mg)		0.030			0.010			
Particulate Concentration on Filter (mg/m ³)		0.05			0.02			
Particulate weight collected in Wash (mg)		0.07			0.12			
Particulate Concentration in Wash (mg/m ³)		0.11			0.19			
Total Particulate Concentration (mg/m ³)		0.16			0.21			
Total Particulate Concentration corrected for Oxygen, dry gas (mg/m ³)		N/A			N/A			
Total Particulate Mass Emission (kg/hour)		0.003			0.004			

Client	Terex Compact Equipment						
Site Address	Central Boulevard, Prologis Park, Coventry, CV6 4BX						
Job Number	P-RED10-090/EB/R1/Rev0						
Date	07/10/2010						
Operator(s)	Vicki Gavin & Tony Berek						
Stack Reference	Offline Booth 1			Isokinetic Sample Positions (%) multiply by diameter to obtain sample points		Sampling Plane Diagram	
Number of Stacks		1	2	14.60			
Stack Configuration		Round	3	N/A			
Dimensions (mtrs)		0.70	4	N/A			
Outlet Diameter (if applicable) (metres)			5	N/A			
Number of Sample Ports		2	6	N/A			
Number of Samples per Axis / Port		2	7	N/A			
Nozzle Diameter (mm)		7.0	8	N/A			
Nozzle Area (m²)		0.00003647	Average Isokinetic Flow Rate (ltrs/min)	Axis 1			
Stack Area (m²)		0.385		24.97	25.63		
Pitot Coefficient	0.70	Pitot Calibration Due Date			Atmos. Pressure (kPa)		
Position	Distance	Axis 1	Temperature	Swirl Test	Axis 2	Temperature	Swirl Test
No.	(cms)	(pa)	(C)	Pass (Y/N)	(pa)	(C)	Pass (Y/N)
1	10.22	142	31.4	Y	150	31.3	Y
Y	59.78	137	31.3	Y	144	31.2	Y
3	N/A						
4	N/A						
5	N/A						
6	N/A						
7	N/A						
8	N/A						
Averages	140	31.4		147	31.3		N/A
Mean Flue Gas Temp (in K) Tp = ((Mean T1 + Mean T2)/2)+273)) =	304.35						
Permitted Range of gas temperature readings (C) = (0.95Tp-273) to (1.05Tp-273) =	16.13 to 46.57						
Highest Velocity Reading (m/s) =	11.6						
Lowest Velocity Reading (m/s) =	10.7						
Ratio Highest/Lowest (Max permitted = 3:1)	1.08 : 1						
On site Checklist							
Range of Gas Temps	OK			Manometer Leak Check		OK	
Leak Check recorded (l/min)	<0.2			Pitot Leak Check		OK	
Leak Check < 2% Vol (l/min)	0.50			Overall Isokinetic Ratio (%) (must be 95 to 115%)		Run 1	Run 2
Passed minimum Velocity requirements (>5pa)	YES					95.0	96.2
Negative Local Flow Present, YES or NO (Yes = Fail)	NO			Are there sufficient rails and kick board? (YES , NO or N/A)		YES	
Is the Platform area greater than 5m²? (YES, NO or N/A)	YES			Is the area in front of the sample line the length of the probe + 1 metre? (YES or NO)		YES	
Passed Highest to lowest Velocity (3:1)	YES						
Site Equipment Used							
Pitot Reference	RED 030617			Manometer Reference		RED 0132	
Thermometer Reference	RED 0205			Thermocouple Reference		RED 0344	
Balance Reference	N/A			Sampling Pump Reference		RED 0258	
Tape Measure Reference	RED 0121			Barometer Reference		RED 0243	

Stack Reference ID		Offline Booth 1											
		Terex Compact Equipment											
		RUN 1			RUN 2								
Filter Reference No		Q47-130910-25			Q47-130910-26								
Date		07-Oct-10			07-Oct-10								
Sample Period		12:15	to	12:47	12:50	to	13:22						
Velocity (Nm/s)		11.0											
Volume (Nm ³ /hr)		15187											
Average Stack Temp (°C)		31.35											
Permitted Temp Range (°C)		16.13		to		46.57							
Lowest Velocity Reading (m/s)		10.72											
Highest Velocity Reading (m/s)		11.57											
Ratio (less than 3:1)		1.08		:		1							
Oxygen %		20.4											
Carbon Dioxide %		0.20											
Moisture (%)		3.05											
Litres sampled		796		779									
Corrected volume sampled (m ³)		0.743		0.723									
Blank Filter Run (mg/m ³)		0.000											
Blank Wash Run (mg/m ³)		0.286											
Particulate weight collected on filter (mg)		0.050		0.010									
Particulate Concentration on Filter (mg/m ³)		0.07		0.01									
Particulate weight collected in Wash (mg)		0.91		0.77									
Particulate Concentration in Wash (mg/m ³)		1.22		1.06									
Total Particulate Concentration (mg/m ³)		1.29		1.08									
Total Particulate Concentration corrected for Oxygen, dry gas (mg/m ³)		N/A		N/A									
Total Particulate Mass Emission (kg/hour)		0.050		0.042									

Client	Terex Compact Equipment							
Site Address	Central Boulevard, Prologis Park, Coventry, CV6 4BX							
Job Number	P-RED10-090/EB/R1/Rev0							
Date	07/10/2010							
Operator(s)	Vicki Gavin & Tony Berek							
Stack Reference	Offline Booth 2			Isokinetic Sample Positions (%) multiply by diameter to obtain sample points		Sampling Plane Diagram		
Number of Stacks		1	2	14.60				
Stack Configuration		Round	3	85.40				
Dimensions (mtrs)		0.70	4	N/A				
Outlet Diameter (if applicable) (metres)			5	N/A				
Number of Sample Ports		2	6	N/A				
Number of Samples per Axis / Port		2	7	N/A				
Nozzle Diameter (mm)		7.0	8	N/A				
Nozzle Area (m²)		0.00003647	Average Isokinetic Flow Rate (ltrs/min)					Axis 1
Stack Area (m²)		0.385			25.30	26.11		
Pitot Coefficient	0.70	Pitot Calibration Due Date			April 2011		Atmos. Pressure (kPa)	
Position	Distance	Axis 1	Temperature	Swirl Test	Axis 2	Temperature	Swirl Test	102.0
No.	(cms)	(pa)	(C)	Pass (Y/N)	(pa)	(C)	Pass (Y/N)	Static Pressure (pa)
1	10.22	158	25.6	Y	158	25.8	Y	34.0
Y	59.78	134	25.6	Y	153	25.7	Y	1 Axis 2 Axis
3	N/A							Velocity of flow (Nm/s)
4	N/A							10.96 11.31
5	N/A							Volume Flow Rate (Nm³/s)
6	N/A							4.22 4.35
7	N/A							Reduced Exit Velocity (m/s)
8	N/A							
Averages		146	25.6		156	25.8		N/A
Mean Flue Gas Temp (in K) Tp = ((Mean T1 + Mean T2)/2)+273)) =								298.60
Permitted Range of gas temperature readings (C) = (0.95Tp-273) to (1.05Tp-273) =								10.67 to 40.53
Highest Velocity Reading (m/s) =								11.8
Lowest Velocity Reading (m/s) =								10.5
Ratio Highest/Lowest (Max permitted = 3:1)								1.12 : 1
On site Checklist								
Range of Gas Temps	OK			Manometer Leak Check		OK		
Leak Check recorded (l/min)	<0.2			Pitot Leak Check		OK		
Leak Check < 2% Vol (l/min)	0.51			Overall Isokinetic Ratio (%) (must be 95 to 115%)		Run 1	Run 2	
Passed minimum Velocity requirements (>5pa)	YES					98.0	99.9	
Negative Local Flow Present, YES or NO (Yes = Fail)	NO			Are there sufficient rails and kick board? (YES , NO or N/A)		YES		
Is the Platform area greater than 5m²? (YES, NO or N/A)	YES			Is the area in front of the sample line the length of the probe + 1 metre? (YES or NO)		YES		
Passed Highest to lowest Velocity (3:1)	YES							
Site Equipment Used								
Pitot Reference	RED 030617			Manometer Reference		RED 0132		
Thermometer Reference	RED 0205			Thermocouple Reference		RED 0344		
Balance Reference	N/A			Sampling Pump Reference		RED 0258		
Tape Measure Reference	RED 0121			Barometer Reference		RED 0243		

Stack Reference ID		Offline Booth 2						
		Terex Compact Equipment						
		RUN 1			RUN 2			
Filter Reference No		Q47-130910-27			Q47-130910-28			
Date		07-Oct-10			07-Oct-10			
Sample Period		11:05	to	11:37	11:40	to		
Velocity (Nm/s)		11.14						
Volume (Nm ³ /hr)		15431						
Average Stack Temp (°C)		25.60						
Permitted Temp Range (°C)		10.67		to	40.53			
Lowest Velocity Reading (m/s)		10.50						
Highest Velocity Reading (m/s)		11.76						
Ratio (less than 3:1)		1.12		:	1			
Oxygen %		20.4						
Carbon Dioxide %		0.20						
Moisture (%)		3.05						
Litres sampled		803			802			
Corrected volume sampled (m ³)		0.751			0.747			
Blank Filter Run (mg/m ³)		0.000						
Blank Wash Run (mg/m ³)		0.280						
Particulate weight collected on filter (mg)		0.010			0.010			
Particulate Concentration on Filter (mg/m ³)		0.01			0.01			
Particulate weight collected in Wash (mg)		0.66			1.32			
Particulate Concentration in Wash (mg/m ³)		0.88			1.77			
Total Particulate Concentration (mg/m ³)		0.89			1.78			
Total Particulate Concentration corrected for Oxygen, dry gas (mg/m ³)		N/A			N/A			
Total Particulate Mass Emission (kg/hour)		0.035			0.070			

Client	Terex Compact Equipment							
Site Address	Central Boulevard, Prologis Park, Coventry, CV6 4BX							
Job Number	P-RED10-090/EB/R1/Rev0							
Date	05/10/2010							
Operator(s)	Vicki Gavin & Tony Berek							
Stack Reference	Paint Kitchen			Isokinetic Sample Positions (%) multiply by diameter to obtain sample points		Sampling Plane Diagram		
Number of Stacks		1	2	N/A				
Stack Configuration	Round			3	N/A			
Dimensions (mtrs)	0.50			4	N/A			
Outlet Diameter (if applicable) (metres)				5	N/A			
Number of Sample Ports	2			6	N/A			
Number of Samples per Axis / Port	N/A			7	N/A			
Nozzle Diameter (mm)				8	N/A			
Nozzle Area (m²)	N/A			Average Isokinetic Flow Rate (ltrs/min)			Axis 1	
Stack Area (m²)	0.196							
Pitot Coefficient	0.70	Pitot Calibration Due Date			April 2011			Atmos. Pressure (kPa)
Position	Distance	Axis 1	Temperature	Swirl Test	Axis 2	Temperature	Swirl Test	102.0
No.	(cms)	(pa)	(C)	Pass (Y/N)	(pa)	(C)	Pass (Y/N)	Static Pressure (pa)
1	N/A	26	18.0	Y	28	18.0	Y	1.0
Y	N/A	34	18.0	Y	25	18.0	Y	1 Axis 2 Axis
3	N/A							Velocity of flow (Nm/s)
4	N/A							4.91 4.61
5	N/A							Volume Flow Rate (Nm³/s)
6	N/A							0.96 0.91
7	N/A							
8	N/A							
Averages		30	18.0		27	18.0		N/A
Mean Flue Gas Temp (in K) Tp = ((Mean T1 + Mean T2)/2)+273)) =								291.00
Permitted Range of gas temperature readings (C) = (0.95Tp-273) to (1.05Tp-273) =								3.45 to 32.55
Highest Velocity Reading (m/s) =								5.4
Lowest Velocity Reading (m/s) =								4.5
Ratio Highest/Lowest (Max permitted = 3:1)								1.20 : 1
On site Checklist								
Range of Gas Temps	OK			Manometer Leak Check			OK	
Leak Check recorded (l/min)	N/A			Pitot Leak Check			OK	
Leak Check < 2% Vol (l/min)	N/A			Overall Isokinetic Ratio (%) (must be 95 to 115%)			Run 1	Run 2
Passed minimum Velocity requirements (>5pa)	YES						N/A	N/A
Negative Local Flow Present, YES or NO (Yes = Fail)	NO			Are there sufficient rails and kick board? (YES , NO or N/A)			N/A	
Is the Platform area greater than 5m²? (YES, NO or N/A)	N/A			Is the area in front of the sample line the length of the probe + 1 metre? (YES or NO)			N/A	
Passed Highest to lowest Velocity (3:1)	YES							
Site Equipment Used								
Pitot Reference	RED 030617			Manometer Reference			RED 0132	
Thermometer Reference	RED 0205			Thermocouple Reference			RED 0344	
Balance Reference	N/A			Sampling Pump Reference			N/A	
Tape Measure Reference	RED 0121			Barometer Reference			RED 0243	

APPENDIX B

VOC Raw Data

TopCoat Spray Booth 1					
Date	Time	VOC mg/m³	Date	Time	VOC mg/m³
06-Oct-10	09:02:40	3.94	06-Oct-10	09:51:40	20.57
06-Oct-10	09:03:40	7.96	06-Oct-10	09:52:40	20.41
06-Oct-10	09:04:40	10.77	06-Oct-10	09:53:40	21.38
06-Oct-10	09:05:40	11.17	06-Oct-10	09:54:40	20.73
06-Oct-10	09:06:40	11.97	06-Oct-10	09:55:40	20.57
06-Oct-10	09:07:40	13.18	06-Oct-10	09:56:40	19.61
06-Oct-10	09:08:40	14.95	06-Oct-10	09:57:40	20.01
06-Oct-10	09:09:40	15.43	06-Oct-10	09:58:40	19.37
06-Oct-10	09:10:40	15.35	06-Oct-10	09:59:40	19.13
06-Oct-10	09:11:40	15.59	06-Oct-10	10:00:40	19.77
06-Oct-10	09:12:40	16.79	06-Oct-10	10:01:40	16.15
06-Oct-10	09:13:40	16.55			
06-Oct-10	09:14:40	15.75			
06-Oct-10	09:15:40	16.39			
06-Oct-10	09:16:40	17.76		Average	14.38
06-Oct-10	09:17:40	18.16			
06-Oct-10	09:18:40	19.53			
06-Oct-10	09:19:40	21.54			
06-Oct-10	09:20:40	22.98			
06-Oct-10	09:21:40	24.11			
06-Oct-10	09:22:40	25.88			
06-Oct-10	09:23:40	28.61			
06-Oct-10	09:24:40	31.02			
06-Oct-10	09:25:40	29.73			
06-Oct-10	09:26:40	29.09			
06-Oct-10	09:27:40	28.77			
06-Oct-10	09:28:40	27.48			
06-Oct-10	09:29:40	27.80			
06-Oct-10	09:30:40	27.64			
06-Oct-10	09:31:40	26.20			
06-Oct-10	09:32:40	24.91			
06-Oct-10	09:33:40	24.51			
06-Oct-10	09:34:40	24.11			
06-Oct-10	09:35:40	23.30			
06-Oct-10	09:36:40	22.98			
06-Oct-10	09:37:40	22.66			
06-Oct-10	09:38:40	22.02			
06-Oct-10	09:39:40	21.46			
06-Oct-10	09:40:40	21.21			
06-Oct-10	09:41:40	20.65			
06-Oct-10	09:42:40	20.09			
06-Oct-10	09:43:40	20.89			
06-Oct-10	09:44:40	22.18			
06-Oct-10	09:45:40	22.66			
06-Oct-10	09:46:40	23.14			
06-Oct-10	09:47:40	22.18			
06-Oct-10	09:48:40	21.13			
06-Oct-10	09:49:40	20.25			
06-Oct-10	09:50:40	20.25			

The data expressed here represents the readings at 1 minute intervals, where as the chart is produced using readings at 5 second intervals

TopCoat Spray Booth 2					
Date	Time	VOC mg/m³	Date	Time	VOC mg/m³
05-Oct-10	13:06:20	14.38	05-Oct-10	13:55:20	15.99
05-Oct-10	13:07:20	13.58	05-Oct-10	13:56:20	15.35
05-Oct-10	13:08:20	15.51	05-Oct-10	13:57:20	14.87
05-Oct-10	13:09:20	17.60	05-Oct-10	13:58:20	15.51
05-Oct-10	13:10:20	19.37	05-Oct-10	13:59:20	26.52
05-Oct-10	13:11:20	17.60	05-Oct-10	14:00:20	41.79
05-Oct-10	13:12:20	16.07	05-Oct-10	14:01:20	47.09
05-Oct-10	13:13:20	14.87	05-Oct-10	14:02:20	55.04
05-Oct-10	13:14:20	15.35	05-Oct-10	14:03:20	46.13
05-Oct-10	13:15:20	13.26	05-Oct-10	14:04:20	45.16
05-Oct-10	13:16:20	12.78	05-Oct-10	14:05:20	50.30
05-Oct-10	13:17:20	12.46	05-Oct-10	14:06:15	48.70
05-Oct-10	13:18:20	12.13			
05-Oct-10	13:19:20	12.13			
05-Oct-10	13:20:20	15.35			Average
05-Oct-10	13:21:20	31.18			30.75
05-Oct-10	13:22:20	46.13			
05-Oct-10	13:23:20	45.80			
05-Oct-10	13:24:20	32.46			
05-Oct-10	13:25:20	27.00			
05-Oct-10	13:26:20	33.75			
05-Oct-10	13:27:20	39.05			
05-Oct-10	13:28:20	39.38			
05-Oct-10	13:29:20	41.14			
05-Oct-10	13:30:20	36.16			
05-Oct-10	13:31:20	26.68			
05-Oct-10	13:32:20	21.29			
05-Oct-10	13:33:20	35.20			
05-Oct-10	13:34:20	43.39			
05-Oct-10	13:35:20	44.36			
05-Oct-10	13:36:20	45.64			
05-Oct-10	13:37:20	41.63			
05-Oct-10	13:38:20	43.71			
05-Oct-10	13:39:20	38.41			
05-Oct-10	13:40:20	27.80			
05-Oct-10	13:41:20	21.86			
05-Oct-10	13:42:20	34.23			
05-Oct-10	13:43:20	43.71			
05-Oct-10	13:44:20	41.95			
05-Oct-10	13:45:20	50.54			
05-Oct-10	13:46:20	45.48			
05-Oct-10	13:47:20	47.09			
05-Oct-10	13:48:20	40.34			
05-Oct-10	13:49:20	67.66			
05-Oct-10	13:50:20	32.46			
05-Oct-10	13:51:20	22.10			
05-Oct-10	13:52:20	19.45			
05-Oct-10	13:53:20	17.28			
05-Oct-10	13:54:20	16.31			

The data represented in this table is expressed at 1 minute intervals but the data used in the chart is produced using 5 second intervals

TopCoat Curing Oven					
Date	Time	VOC mg/m³	Date	Time	VOC mg/m³
05-Oct-10	11:05:06	3.46	05-Oct-10	11:54:06	4.74
05-Oct-10	11:06:06	4.10	05-Oct-10	11:55:06	4.74
05-Oct-10	11:07:06	4.58	05-Oct-10	11:56:06	4.74
05-Oct-10	11:08:06	4.58	05-Oct-10	11:57:06	5.06
05-Oct-10	11:09:06	4.74	05-Oct-10	11:58:06	5.22
05-Oct-10	11:10:06	4.90	05-Oct-10	11:59:06	5.22
05-Oct-10	11:11:06	4.42	05-Oct-10	12:00:06	5.71
05-Oct-10	11:12:06	4.90	05-Oct-10	12:01:06	5.54
05-Oct-10	11:13:06	4.74	05-Oct-10	12:02:06	5.38
05-Oct-10	11:14:06	4.90	05-Oct-10	12:03:06	5.22
05-Oct-10	11:15:06	4.74	05-Oct-10	12:04:06	5.22
05-Oct-10	11:16:06	4.58	05-Oct-10	12:05:06	4.74
05-Oct-10	11:17:06	5.06			
05-Oct-10	11:18:06	4.90			
05-Oct-10	11:19:06	4.74	Average		4.90
05-Oct-10	11:20:06	4.90			
05-Oct-10	11:21:06	4.90			
05-Oct-10	11:22:06	4.74			
05-Oct-10	11:23:06	4.58			
05-Oct-10	11:24:06	4.90			
05-Oct-10	11:25:06	5.06			
05-Oct-10	11:26:06	5.22			
05-Oct-10	11:27:06	4.90			
05-Oct-10	11:28:06	4.58			
05-Oct-10	11:29:06	4.74			
05-Oct-10	11:30:06	4.90			
05-Oct-10	11:31:06	4.58			
05-Oct-10	11:32:06	4.42			
05-Oct-10	11:33:06	4.58			
05-Oct-10	11:34:06	4.42			
05-Oct-10	11:35:06	4.58			
05-Oct-10	11:36:06	4.58			
05-Oct-10	11:37:06	5.06			
05-Oct-10	11:38:06	5.22			
05-Oct-10	11:39:06	5.22			
05-Oct-10	11:40:06	5.22			
05-Oct-10	11:41:06	5.22			
05-Oct-10	11:42:06	5.22			
05-Oct-10	11:43:06	5.06			
05-Oct-10	11:44:06	5.22			
05-Oct-10	11:45:06	5.22			
05-Oct-10	11:46:06	5.06			
05-Oct-10	11:47:06	4.90			
05-Oct-10	11:48:06	5.06			
05-Oct-10	11:49:06	5.06			
05-Oct-10	11:50:06	4.90			
05-Oct-10	11:51:06	4.90			
05-Oct-10	11:52:06	4.90			
05-Oct-10	11:53:06	5.06			

The data represented in this table is expressed at 1 minute intervals but the data used in the chart is produced using 5 second intervals

TopCoat Flash-off					
Date	Time	VOC mg/m³	Date	Time	VOC mg/m³
06-Oct-10	12:10:27	8.12	06-Oct-10	12:59:27	11.01
06-Oct-10	12:11:27	7.96	06-Oct-10	13:00:27	11.17
06-Oct-10	12:12:27	11.81	06-Oct-10	13:01:27	11.17
06-Oct-10	12:13:27	11.97	06-Oct-10	13:02:27	11.49
06-Oct-10	12:14:27	11.49	06-Oct-10	13:03:27	11.17
06-Oct-10	12:15:27	11.49	06-Oct-10	13:04:27	11.01
06-Oct-10	12:16:27	11.49	06-Oct-10	13:05:27	11.01
06-Oct-10	12:17:27	11.49	06-Oct-10	13:06:27	11.65
06-Oct-10	12:18:27	11.49	06-Oct-10	13:07:27	12.13
06-Oct-10	12:19:27	11.17	06-Oct-10	13:08:27	12.29
06-Oct-10	12:20:27	11.65	06-Oct-10	13:09:27	12.29
06-Oct-10	12:21:27	11.65	06-Oct-10	13:10:27	12.05
06-Oct-10	12:22:27	11.33			
06-Oct-10	12:23:27	11.17			
06-Oct-10	12:24:27	10.85	Average		10.79
06-Oct-10	12:25:27	11.01			
06-Oct-10	12:26:27	10.85			
06-Oct-10	12:27:27	11.01			
06-Oct-10	12:28:27	10.85			
06-Oct-10	12:29:27	10.85			
06-Oct-10	12:30:27	10.85			
06-Oct-10	12:31:27	10.69			
06-Oct-10	12:32:27	10.53			
06-Oct-10	12:33:27	10.69			
06-Oct-10	12:34:27	10.21			
06-Oct-10	12:35:27	10.04			
06-Oct-10	12:36:27	10.37			
06-Oct-10	12:37:27	10.53			
06-Oct-10	12:38:27	10.21			
06-Oct-10	12:39:27	10.53			
06-Oct-10	12:40:27	10.21			
06-Oct-10	12:41:27	10.21			
06-Oct-10	12:42:27	9.88			
06-Oct-10	12:43:27	10.37			
06-Oct-10	12:44:27	10.21			
06-Oct-10	12:45:27	10.04			
06-Oct-10	12:46:27	10.04			
06-Oct-10	12:47:27	10.21			
06-Oct-10	12:48:27	9.72			
06-Oct-10	12:49:27	9.88			
06-Oct-10	12:50:27	10.37			
06-Oct-10	12:51:27	10.69			
06-Oct-10	12:52:27	10.53			
06-Oct-10	12:53:27	10.37			
06-Oct-10	12:54:27	10.53			
06-Oct-10	12:55:27	10.37			
06-Oct-10	12:56:27	10.21			
06-Oct-10	12:57:27	10.69			
06-Oct-10	12:58:27	10.69			

The data represented in this table is expressed at 1 minute intervals but the data used in the chart is produced using 5 second intervals

Primer Booth 1					
Date	Time	VOC mg/m³	Date	Time	VOC mg/m³
06-Oct-10	10:08:01	7.96	06-Oct-10	10:57:01	12.13
06-Oct-10	10:09:01	15.91	06-Oct-10	10:58:01	11.65
06-Oct-10	10:10:01	14.87	06-Oct-10	10:59:01	10.85
06-Oct-10	10:11:01	12.78	06-Oct-10	11:00:01	11.17
06-Oct-10	10:12:01	13.74	06-Oct-10	11:01:01	18.56
06-Oct-10	10:13:01	21.62	06-Oct-10	11:02:01	15.19
06-Oct-10	10:14:01	15.67	06-Oct-10	11:03:01	15.19
06-Oct-10	10:15:01	13.10	06-Oct-10	11:04:01	14.06
06-Oct-10	10:16:01	13.42	06-Oct-10	11:05:01	12.94
06-Oct-10	10:17:01	19.77	06-Oct-10	11:06:01	13.42
06-Oct-10	10:18:01	14.87	06-Oct-10	11:07:01	15.83
06-Oct-10	10:19:01	12.78	06-Oct-10	11:08:01	13.26
06-Oct-10	10:20:01	15.59			
06-Oct-10	10:21:01	12.13			
06-Oct-10	10:22:01	11.65	Average		13.41
06-Oct-10	10:23:01	21.21			
06-Oct-10	10:24:01	15.83			
06-Oct-10	10:25:01	11.17	The data represented in this table is expressed at 1 minute intervals but the data used in the chart is produced using 5 second intervals		
06-Oct-10	10:26:01	11.01			
06-Oct-10	10:27:01	11.97			
06-Oct-10	10:28:01	12.46			
06-Oct-10	10:29:01	19.13			
06-Oct-10	10:30:01	16.88			
06-Oct-10	10:31:01	17.76			
06-Oct-10	10:32:01	14.38			
06-Oct-10	10:33:01	13.26			
06-Oct-10	10:34:01	12.46			
06-Oct-10	10:35:01	14.22			
06-Oct-10	10:36:01	12.46			
06-Oct-10	10:37:01	11.97			
06-Oct-10	10:38:01	12.46			
06-Oct-10	10:39:01	10.69			
06-Oct-10	10:40:01	10.53			
06-Oct-10	10:41:01	17.44			
06-Oct-10	10:42:01	13.58			
06-Oct-10	10:43:01	12.94			
06-Oct-10	10:44:01	11.33			
06-Oct-10	10:45:01	10.21			
06-Oct-10	10:46:01	9.72			
06-Oct-10	10:47:01	9.72			
06-Oct-10	10:48:01	9.56			
06-Oct-10	10:49:01	9.24			
06-Oct-10	10:50:01	9.08			
06-Oct-10	10:51:01	8.92			
06-Oct-10	10:52:01	12.29			
06-Oct-10	10:53:01	13.42			
06-Oct-10	10:54:01	11.17			
06-Oct-10	10:55:01	11.01			
06-Oct-10	10:56:01	11.33			

Primer Booth 2					
Date	Time	VOC mg/m ³	Date	Time	VOC mg/m ³
06-Oct-10	11:10:31	10.37	06-Oct-10	11:59:31	9.24
06-Oct-10	11:11:31	18.88	06-Oct-10	12:00:31	9.08
06-Oct-10	11:12:31	29.41			
06-Oct-10	11:13:31	33.75			
06-Oct-10	11:14:31	40.34			
06-Oct-10	11:15:31	42.59			
06-Oct-10	11:16:31	41.95			
06-Oct-10	11:17:31	30.86			
06-Oct-10	11:18:31	42.75			
06-Oct-10	11:19:31	46.13			
06-Oct-10	11:20:31	37.37			
06-Oct-10	11:21:31	45.64			
06-Oct-10	11:22:31	35.20			
06-Oct-10	11:23:31	40.02			
06-Oct-10	11:24:31	26.84		Average	18.38
06-Oct-10	11:25:31	15.67			
06-Oct-10	11:26:31	16.15			
06-Oct-10	11:27:31	32.63			
06-Oct-10	11:28:31	14.63			
06-Oct-10	11:29:31	12.29			
06-Oct-10	11:30:31	11.33			
06-Oct-10	11:31:31	10.85			
06-Oct-10	11:32:31	10.53			
06-Oct-10	11:33:31	10.21			
06-Oct-10	11:34:31	10.04			
06-Oct-10	11:35:31	9.72			
06-Oct-10	11:36:31	9.88			
06-Oct-10	11:37:31	9.72			
06-Oct-10	11:38:31	9.72			
06-Oct-10	11:39:31	9.72			
06-Oct-10	11:40:31	9.40			
06-Oct-10	11:41:31	9.40			
06-Oct-10	11:42:31	32.63			
06-Oct-10	11:43:31	37.29			
06-Oct-10	11:44:31	38.41			
06-Oct-10	11:45:31	18.88			
06-Oct-10	11:46:31	15.19			
06-Oct-10	11:47:31	13.58			
06-Oct-10	11:48:31	12.29			
06-Oct-10	11:49:31	11.17			
06-Oct-10	11:50:31	10.69			
06-Oct-10	11:51:31	10.37			
06-Oct-10	11:52:31	10.04			
06-Oct-10	11:53:31	9.72			
06-Oct-10	11:54:31	9.72			
06-Oct-10	11:55:31	9.88			
06-Oct-10	11:56:31	9.88			
06-Oct-10	11:57:31	9.56			
06-Oct-10	11:58:31	9.24			

The data represented in this table is expressed at 1 minute intervals but the data used in the chart is produced using 5 second intervals

Primer Flash off					
Date	Time	VOC mg/m ³	Date	Time	VOC mg/m ³
05-Oct-10	14:09:03	18.72	05-Oct-10	14:58:03	11.33
05-Oct-10	14:10:03	16.47	05-Oct-10	14:59:03	11.17
05-Oct-10	14:11:03	14.87	05-Oct-10	15:00:03	11.17
05-Oct-10	14:12:03	12.94	05-Oct-10	15:01:03	11.17
05-Oct-10	14:13:03	12.29	05-Oct-10	15:02:03	11.49
05-Oct-10	14:14:03	12.29	05-Oct-10	15:03:03	12.29
05-Oct-10	14:15:03	12.29	05-Oct-10	15:04:03	12.62
05-Oct-10	14:16:03	13.42	05-Oct-10	15:05:03	12.46
05-Oct-10	14:17:03	14.06	05-Oct-10	15:06:03	12.29
05-Oct-10	14:18:03	15.51	05-Oct-10	15:07:03	12.29
05-Oct-10	14:19:03	15.67	05-Oct-10	15:08:03	11.97
05-Oct-10	14:20:03	15.51	05-Oct-10	15:09:03	11.97
05-Oct-10	14:21:03	15.19			
05-Oct-10	14:22:03	14.87			
05-Oct-10	14:23:03	14.38	Average		13.03
05-Oct-10	14:24:03	13.90			
05-Oct-10	14:25:03	15.35			
05-Oct-10	14:26:03	15.51			
05-Oct-10	14:27:03	15.67	The data represented in this table is expressed at 1 minute intervals but the data used in the chart is produced using 5 second intervals		
05-Oct-10	14:28:03	15.35			
05-Oct-10	14:29:03	15.19			
05-Oct-10	14:30:03	14.71			
05-Oct-10	14:31:03	14.22			
05-Oct-10	14:32:03	13.82			
05-Oct-10	14:33:03	13.42			
05-Oct-10	14:34:03	13.10			
05-Oct-10	14:35:03	12.78			
05-Oct-10	14:36:03	12.62			
05-Oct-10	14:37:03	12.46			
05-Oct-10	14:38:03	12.29			
05-Oct-10	14:39:03	12.13			
05-Oct-10	14:40:03	12.13			
05-Oct-10	14:41:03	11.97			
05-Oct-10	14:42:03	11.81			
05-Oct-10	14:43:03	11.57			
05-Oct-10	14:44:03	11.65			
05-Oct-10	14:45:03	11.49			
05-Oct-10	14:46:03	11.49			
05-Oct-10	14:47:03	11.49			
05-Oct-10	14:48:03	11.33			
05-Oct-10	14:49:03	11.17			
05-Oct-10	14:50:03	11.49			
05-Oct-10	14:51:03	11.65			
05-Oct-10	14:52:03	13.26			
05-Oct-10	14:53:03	12.94			
05-Oct-10	14:54:03	12.46			
05-Oct-10	14:55:03	12.13			
05-Oct-10	14:56:03	11.81			
05-Oct-10	14:57:03	11.49			

Paint Kitchen					
Date	Time	VOC mg/m ³	Date	Time	VOC mg/m ³
05-Oct-10	12:06:47	8.76	05-Oct-10	12:55:47	16.47
05-Oct-10	12:07:47	10.21	05-Oct-10	12:56:47	16.15
05-Oct-10	12:08:47	13.10	05-Oct-10	12:57:47	15.91
05-Oct-10	12:09:47	14.71	05-Oct-10	12:58:47	15.51
05-Oct-10	12:10:47	15.83	05-Oct-10	12:59:47	15.83
05-Oct-10	12:11:47	16.31	05-Oct-10	13:00:47	15.83
05-Oct-10	12:12:47	16.63	05-Oct-10	13:01:47	15.83
05-Oct-10	12:13:47	16.63	05-Oct-10	13:02:47	15.91
05-Oct-10	12:14:47	16.71	05-Oct-10	13:03:47	15.99
05-Oct-10	12:15:47	16.31	05-Oct-10	13:04:47	15.99
05-Oct-10	12:16:47	16.47	05-Oct-10	13:05:47	15.99
05-Oct-10	12:17:47	16.31			
05-Oct-10	12:18:47	16.31			
05-Oct-10	12:19:47	15.99			
05-Oct-10	12:20:47	16.31	Average		15.84
05-Oct-10	12:21:47	15.99			
05-Oct-10	12:22:47	16.15			
05-Oct-10	12:23:47	16.15			
05-Oct-10	12:24:47	16.23			
05-Oct-10	12:25:47	15.83			
05-Oct-10	12:26:47	16.15			
05-Oct-10	12:27:47	16.15			
05-Oct-10	12:28:47	16.23			
05-Oct-10	12:29:47	16.15			
05-Oct-10	12:30:47	16.15			
05-Oct-10	12:31:47	15.99			
05-Oct-10	12:32:47	16.15			
05-Oct-10	12:33:47	16.23			
05-Oct-10	12:34:47	16.47			
05-Oct-10	12:35:47	15.99			
05-Oct-10	12:36:47	16.15			
05-Oct-10	12:37:47	16.23			
05-Oct-10	12:38:47	16.23			
05-Oct-10	12:39:47	15.99			
05-Oct-10	12:40:47	15.99			
05-Oct-10	12:41:47	15.99			
05-Oct-10	12:42:47	15.91			
05-Oct-10	12:43:47	15.99			
05-Oct-10	12:44:47	15.99			
05-Oct-10	12:45:47	16.15			
05-Oct-10	12:46:47	15.83			
05-Oct-10	12:47:47	15.91			
05-Oct-10	12:48:47	15.83			
05-Oct-10	12:49:47	15.83			
05-Oct-10	12:50:47	15.83			
05-Oct-10	12:51:47	15.67			
05-Oct-10	12:52:47	15.67			
05-Oct-10	12:53:47	15.51			
05-Oct-10	12:54:47	15.99			

The data represented in this table is expressed at 1 minute intervals but the data used in the chart is produced using 5 second intervals

Spray Bake Booth 1					
Date	Time	VOC mg/m ³	Date	Time	VOC mg/m ³
07-Oct-10	09:00:13	15.03	07-Oct-10	09:49:13	3.94
07-Oct-10	09:01:13	13.26	07-Oct-10	09:50:13	4.02
07-Oct-10	09:02:13	11.41	07-Oct-10	09:51:13	4.10
07-Oct-10	09:03:13	10.37	07-Oct-10	09:52:13	6.99
07-Oct-10	09:04:13	9.72	07-Oct-10	09:53:13	10.13
07-Oct-10	09:05:13	9.56	07-Oct-10	09:54:13	15.67
07-Oct-10	09:06:13	9.08	07-Oct-10	09:55:13	16.07
07-Oct-10	09:07:13	8.92	07-Oct-10	09:56:13	15.11
07-Oct-10	09:08:13	8.60	07-Oct-10	09:57:13	16.79
07-Oct-10	09:09:13	8.36	07-Oct-10	09:58:13	15.11
07-Oct-10	09:10:13	8.12	07-Oct-10	09:59:13	16.47
07-Oct-10	09:11:13	7.47	07-Oct-10	10:00:13	15.43
07-Oct-10	09:12:13	7.15			
07-Oct-10	09:13:13	6.99			
07-Oct-10	09:14:13	6.67			Average
07-Oct-10	09:15:13	6.67			7.65
07-Oct-10	09:16:13	6.35			
07-Oct-10	09:17:13	6.43			
07-Oct-10	09:18:13	6.19			
07-Oct-10	09:19:13	6.27			
07-Oct-10	09:20:13	6.11			
07-Oct-10	09:21:13	5.87			
07-Oct-10	09:22:13	5.87			
07-Oct-10	09:23:13	5.95			
07-Oct-10	09:24:13	6.03			
07-Oct-10	09:25:13	6.03			
07-Oct-10	09:26:13	6.19			
07-Oct-10	09:27:13	6.19			
07-Oct-10	09:28:13	6.03			
07-Oct-10	09:29:13	5.95			
07-Oct-10	09:30:13	5.87			
07-Oct-10	09:31:13	6.03			
07-Oct-10	09:32:13	5.87			
07-Oct-10	09:33:13	5.54			
07-Oct-10	09:34:13	5.71			
07-Oct-10	09:35:13	5.54			
07-Oct-10	09:36:13	5.54			
07-Oct-10	09:37:13	5.63			
07-Oct-10	09:38:13	5.54			
07-Oct-10	09:39:13	5.54			
07-Oct-10	09:40:13	5.54			
07-Oct-10	09:41:13	5.63			
07-Oct-10	09:42:13	5.63			
07-Oct-10	09:43:13	5.22			
07-Oct-10	09:44:13	5.06			
07-Oct-10	09:45:13	4.74			
07-Oct-10	09:46:13	4.58			
07-Oct-10	09:47:13	4.74			
07-Oct-10	09:48:13	4.26			

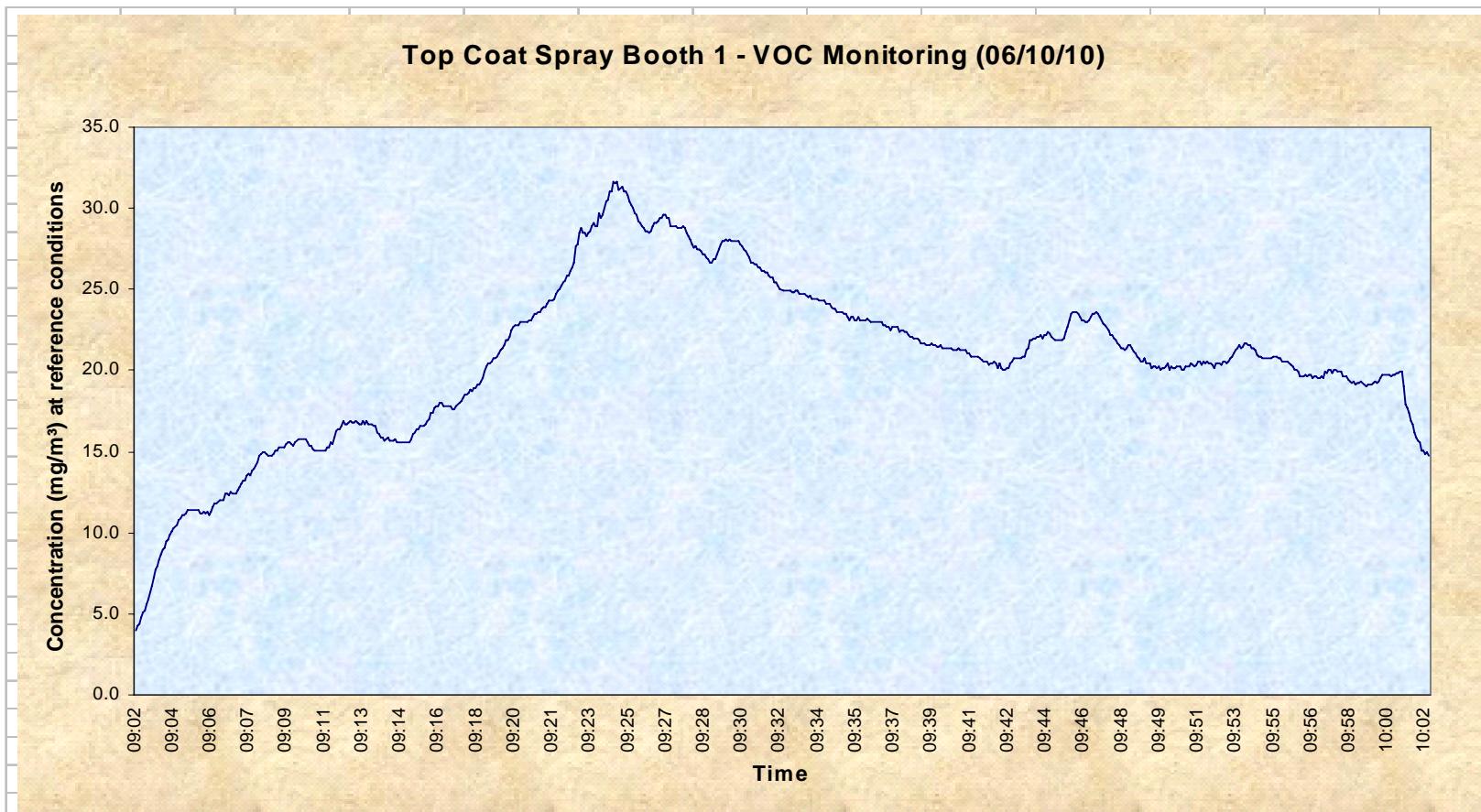
The data represented in this table is expressed at 1 minute intervals but the data used in the chart is produced using 5 second intervals

Spray Bake Booth 2					
Date	Time	VOC mg/m ³	Date	Time	VOC mg/m ³
07-Oct-10	10:03:51	9.40	07-Oct-10	10:52:51	17.76
07-Oct-10	10:04:51	9.56	07-Oct-10	10:53:51	16.79
07-Oct-10	10:05:51	9.56	07-Oct-10	10:54:51	16.63
07-Oct-10	10:06:51	9.24	07-Oct-10	10:55:51	15.19
07-Oct-10	10:07:51	8.44	07-Oct-10	10:56:51	37.61
07-Oct-10	10:08:51	7.55	07-Oct-10	10:57:51	19.69
07-Oct-10	10:09:51	6.99	07-Oct-10	10:58:51	15.99
07-Oct-10	10:10:51	6.83	07-Oct-10	10:59:51	15.03
07-Oct-10	10:11:51	6.51	07-Oct-10	11:00:51	14.22
07-Oct-10	10:12:51	6.67	07-Oct-10	11:01:51	13.74
07-Oct-10	10:13:51	6.67	07-Oct-10	11:02:51	13.58
07-Oct-10	10:14:51	6.67	07-Oct-10	11:03:51	13.26
07-Oct-10	10:15:51	6.67			
07-Oct-10	10:16:51	6.67			
07-Oct-10	10:17:51	6.67			Average
07-Oct-10	10:18:51	6.51			12.47
07-Oct-10	10:19:51	6.35			
07-Oct-10	10:20:51	6.35			
07-Oct-10	10:21:51	6.35			
07-Oct-10	10:22:51	6.51			
07-Oct-10	10:23:51	6.19			
07-Oct-10	10:24:51	6.43			
07-Oct-10	10:25:51	6.35			
07-Oct-10	10:26:51	6.35			
07-Oct-10	10:27:51	6.19			
07-Oct-10	10:28:51	6.19			
07-Oct-10	10:29:51	6.35			
07-Oct-10	10:30:51	6.75			
07-Oct-10	10:31:51	6.83			
07-Oct-10	10:32:51	20.33			
07-Oct-10	10:33:51	16.88			
07-Oct-10	10:34:51	14.38			
07-Oct-10	10:35:51	14.22			
07-Oct-10	10:36:51	13.90			
07-Oct-10	10:37:51	14.06			
07-Oct-10	10:38:51	13.66			
07-Oct-10	10:39:51	13.90			
07-Oct-10	10:40:51	14.22			
07-Oct-10	10:41:51	14.87			
07-Oct-10	10:42:51	14.38			
07-Oct-10	10:43:51	16.31			
07-Oct-10	10:44:51	16.79			
07-Oct-10	10:45:51	16.63			
07-Oct-10	10:46:51	17.44			
07-Oct-10	10:47:51	18.24			
07-Oct-10	10:48:51	18.08			
07-Oct-10	10:49:51	21.46			
07-Oct-10	10:50:51	17.92			
07-Oct-10	10:51:51	19.53			

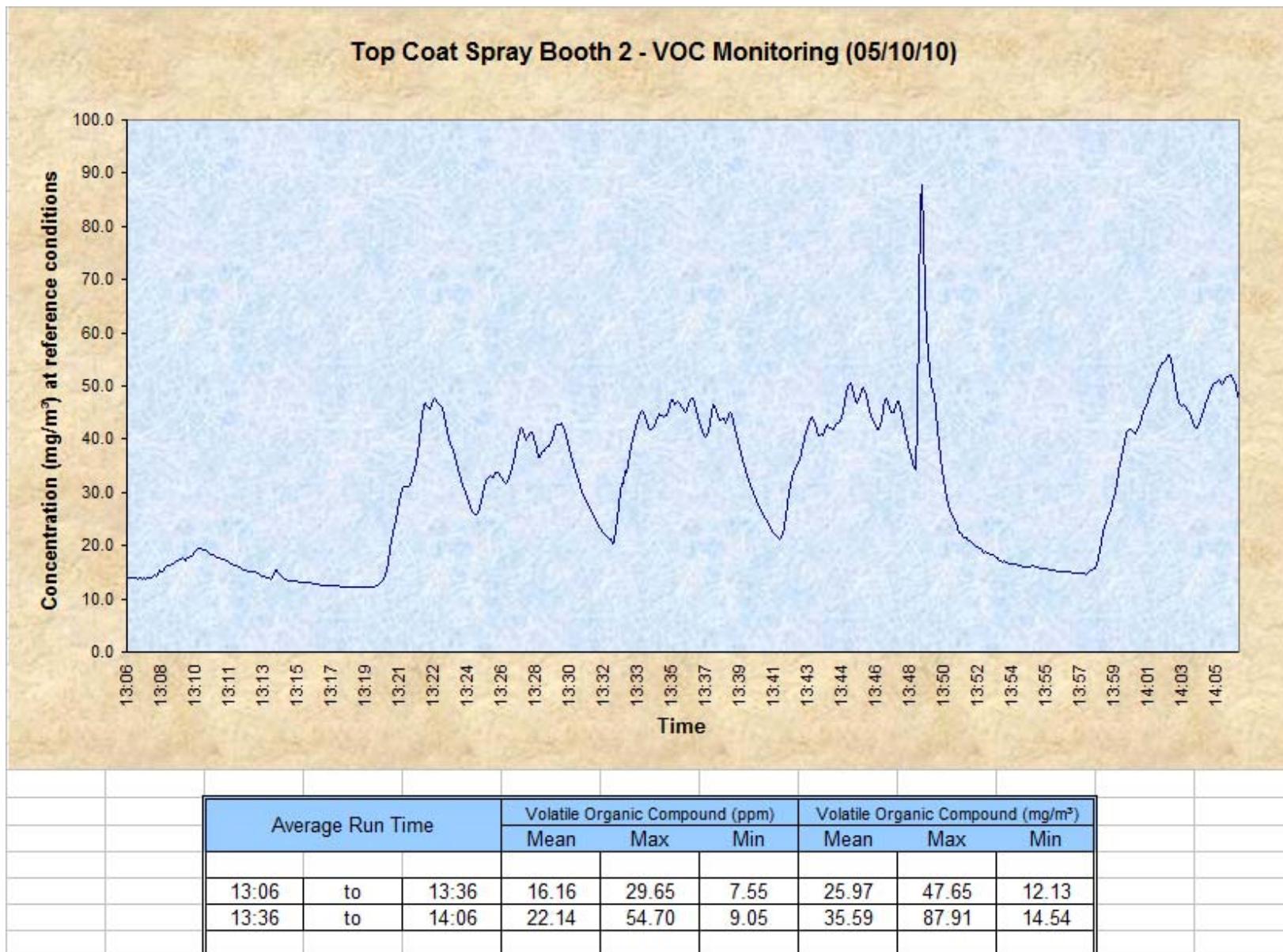
The data represented in this table is expressed at 1 minute intervals but the data used in the chart is produced using 5 second intervals

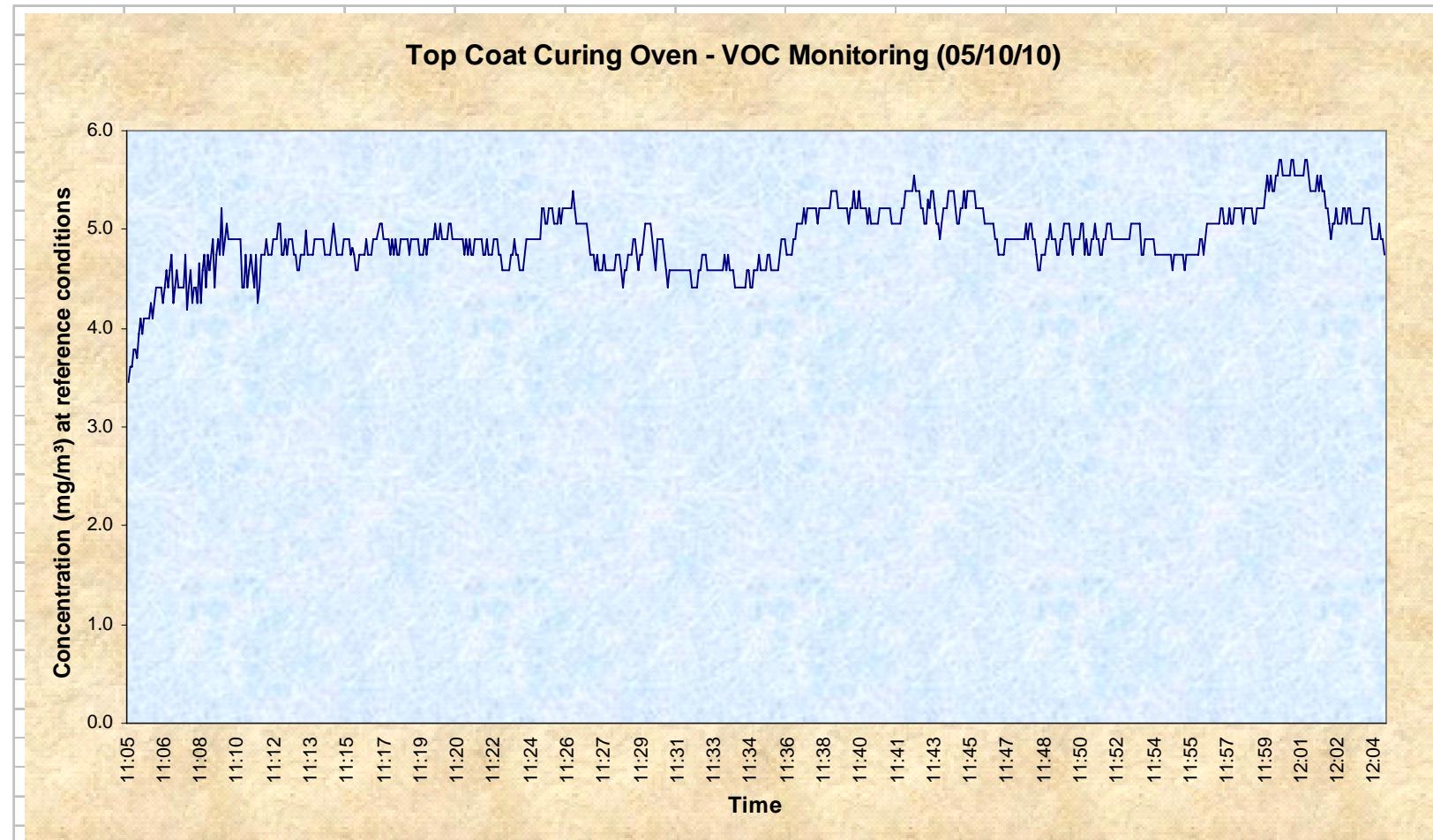
APPENDIX C

VOC Charts

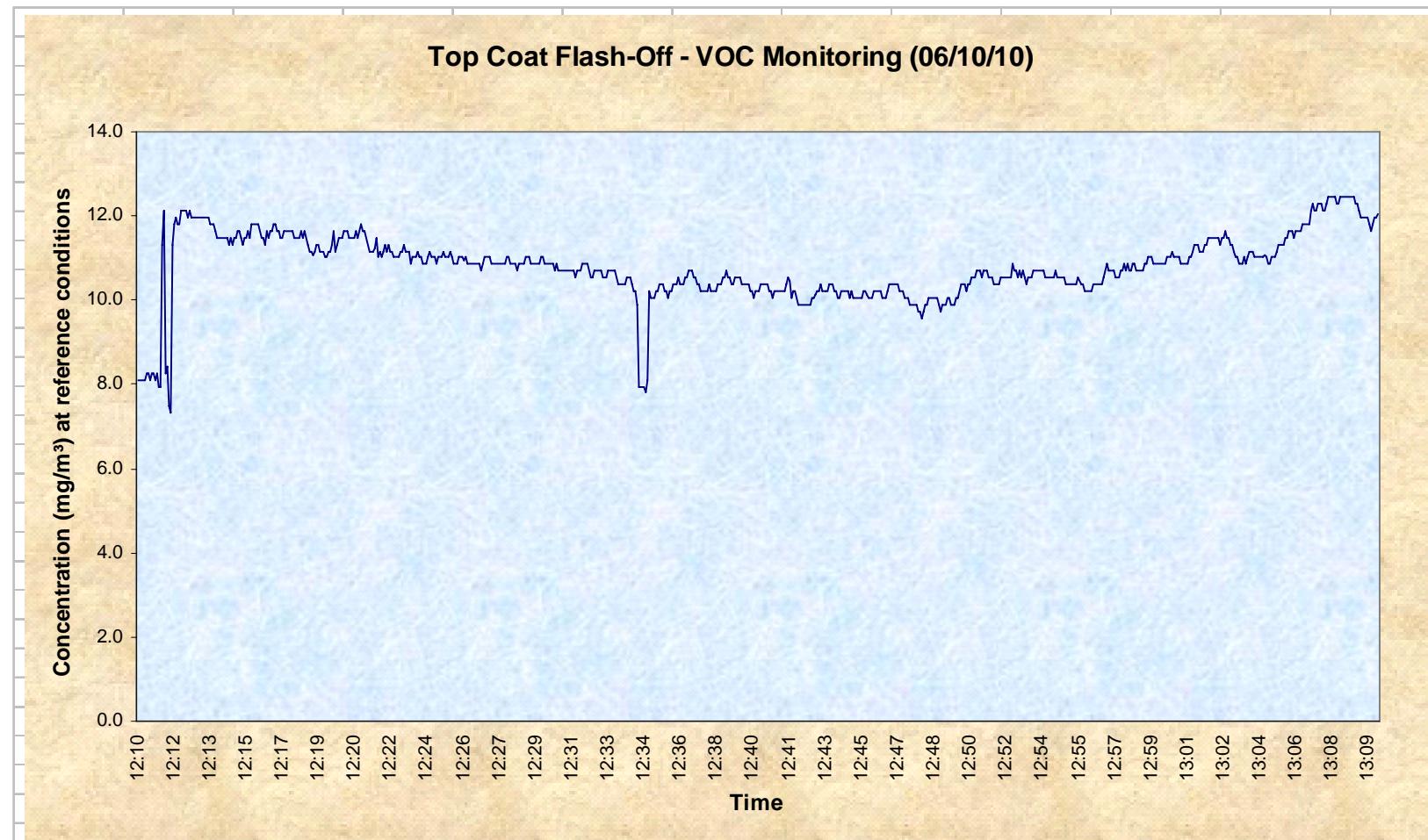


Average Run Time			Volatile Organic Compound (ppm)			Volatile Organic Compound (mg/m^3)		
			Mean	Max	Min	Mean	Max	Min
9:02	to	9:32	12.49	19.70	2.45	20.07	31.66	3.94
9:32	to	10:02	13.26	15.50	9.75	21.31	24.91	15.67

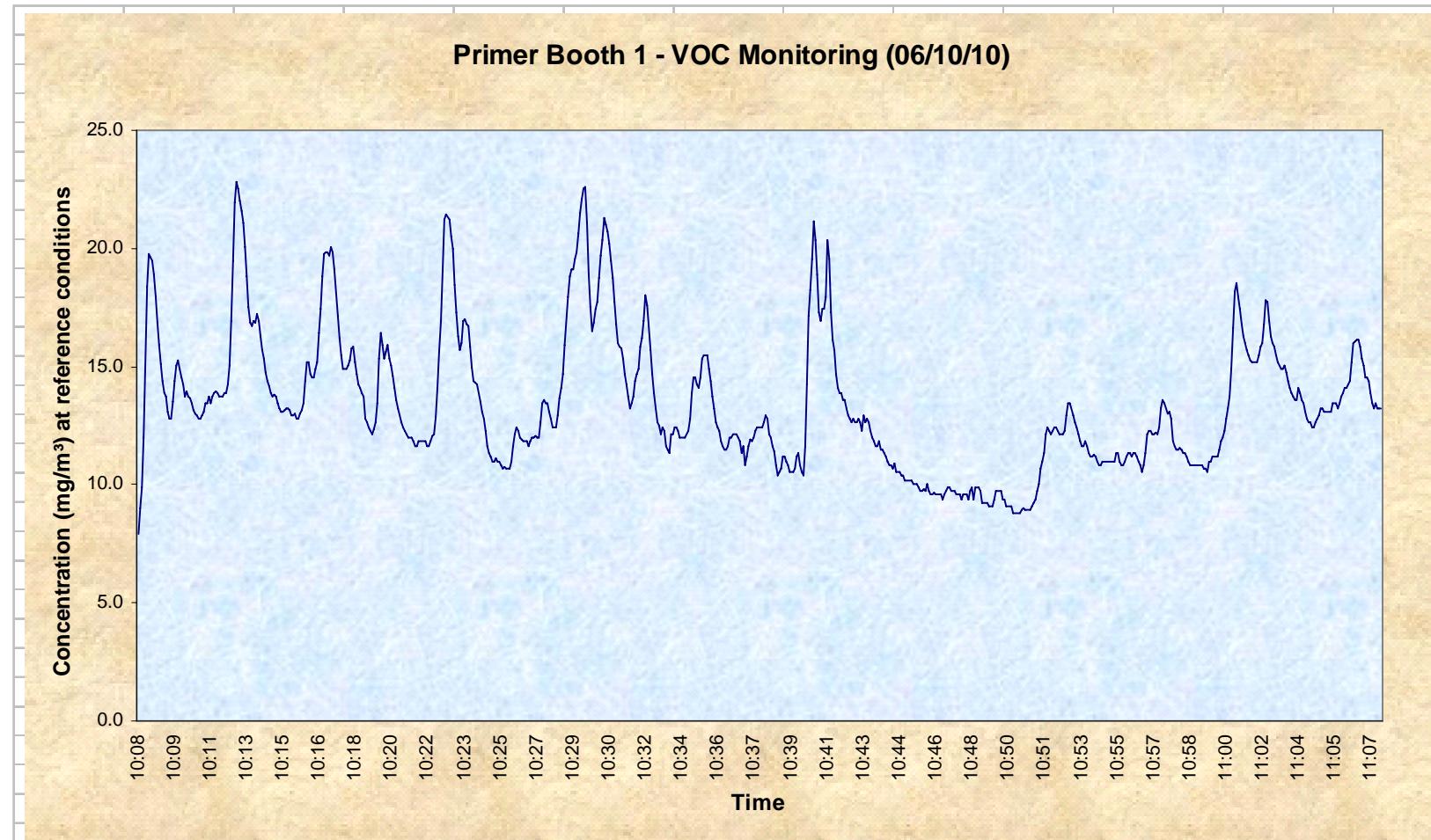




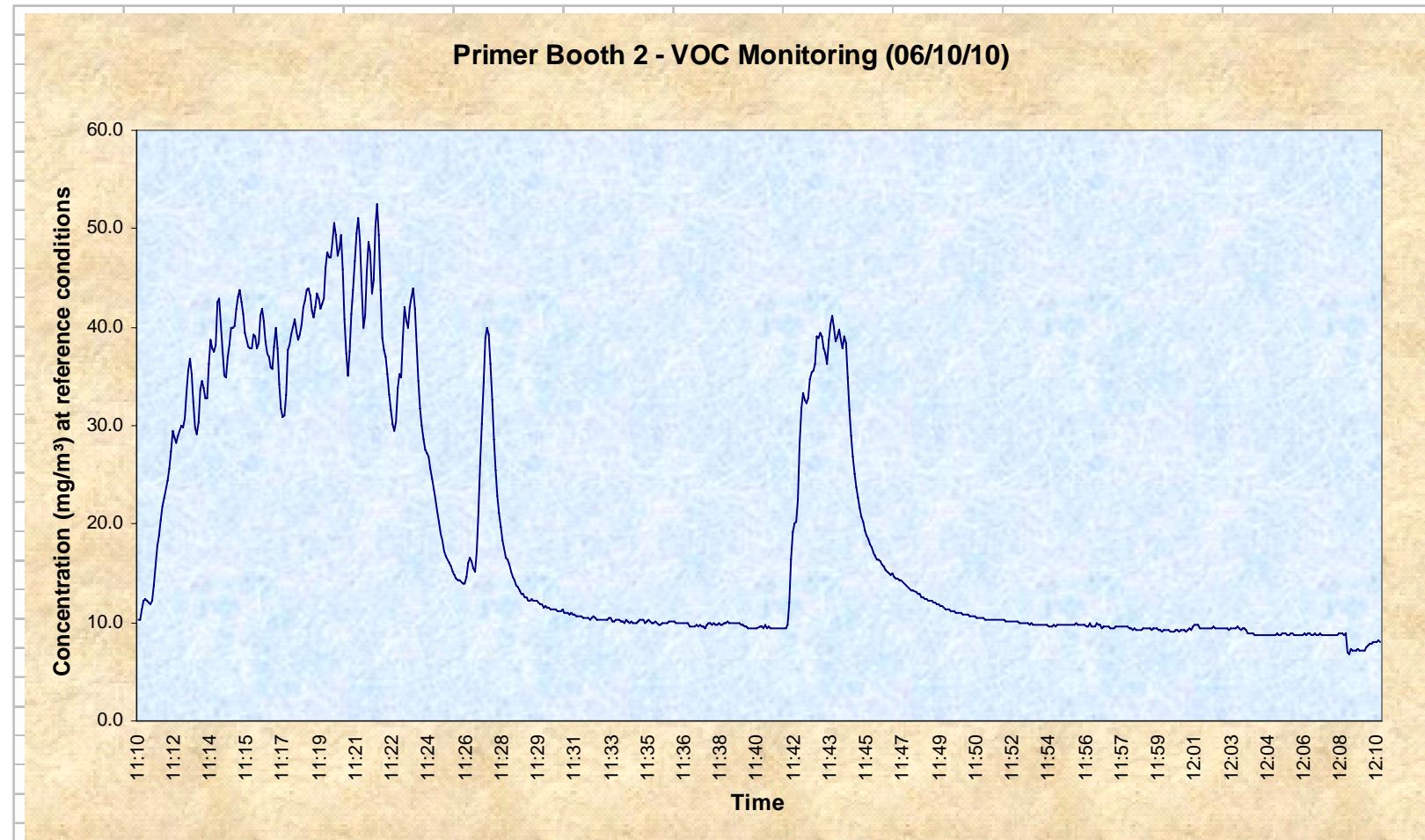
Average Run Time			Volatile Organic Compound (ppm)			Volatile Organic Compound (mg/m³)		
			Mean	Max	Min	Mean	Max	Min
11:05	to	11:35	2.94	3.35	2.15	4.72	5.38	3.46
11:35	to	12:05	3.16	3.55	2.85	5.07	5.71	4.58



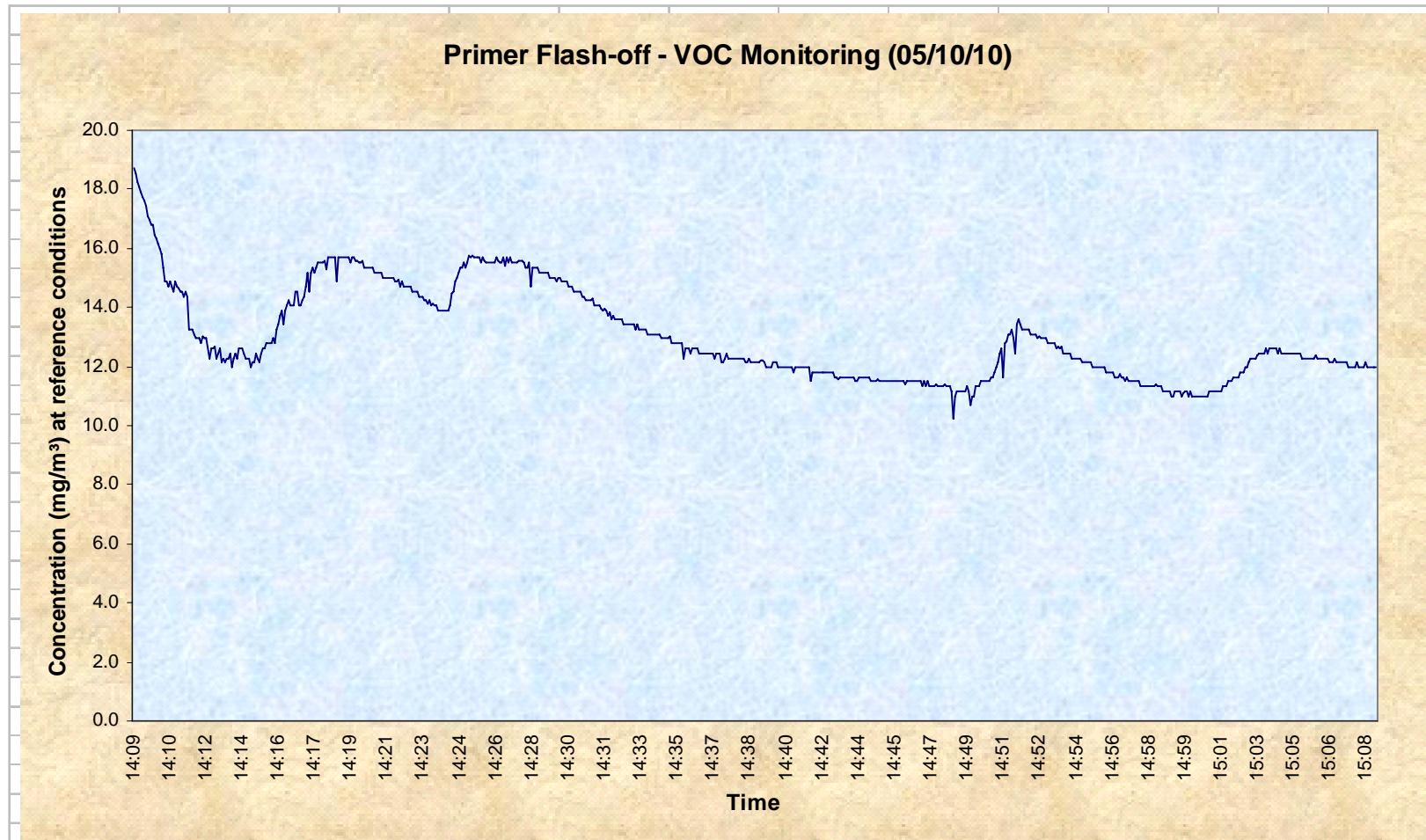
Average Run Time			Volatile Organic Compound (ppm)			Volatile Organic Compound (mg/m ³)		
			Mean	Max	Min	Mean	Max	Min
12:10	to	12:40	6.73	7.55	4.55	10.82	12.13	7.31
12:40	to	13:10	6.70	7.75	5.95	10.76	12.46	9.56



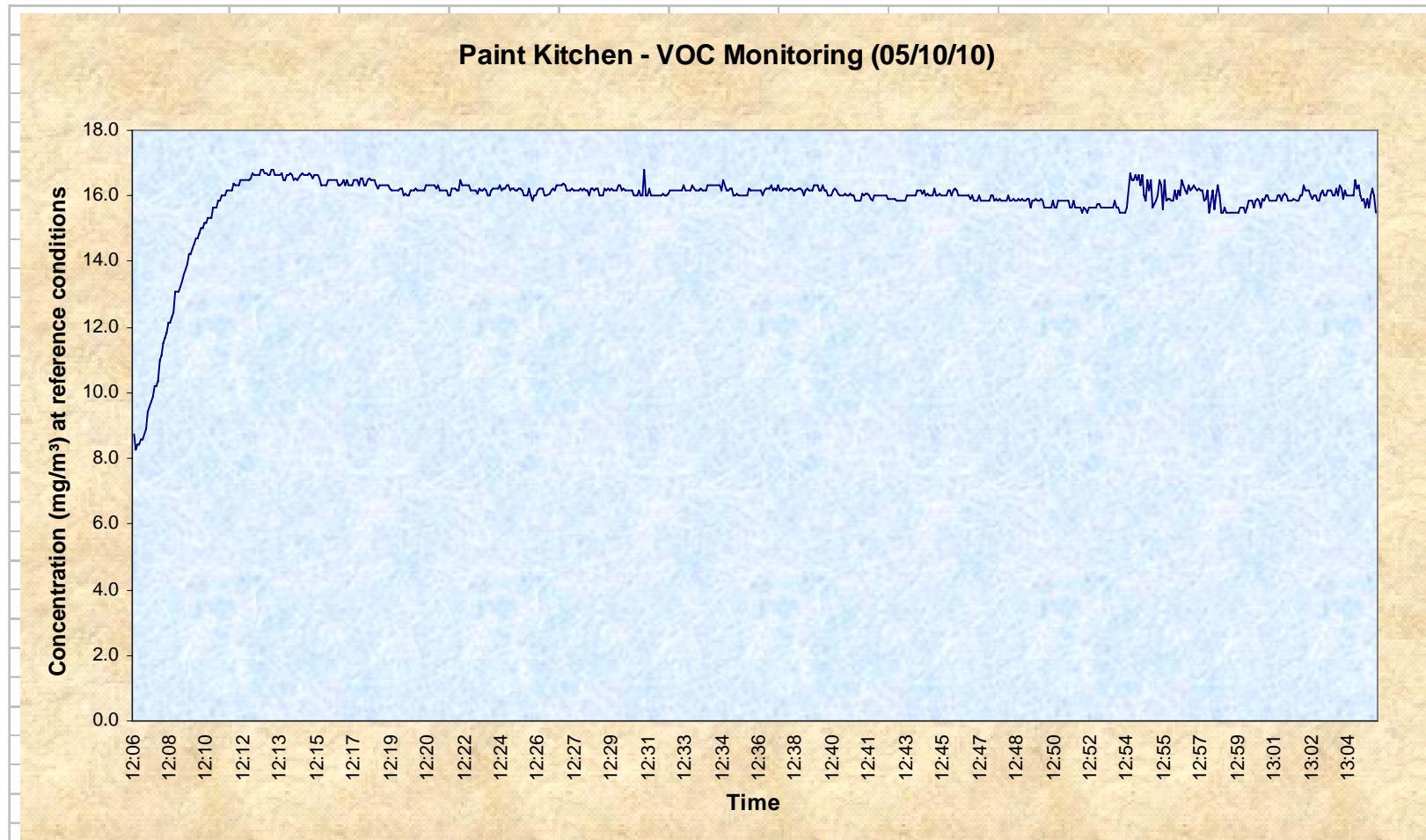
Average Run Time			Volatile Organic Compound (ppm)			Volatile Organic Compound (mg/m^3)		
			Mean	Max	Min	Mean	Max	Min
10:08	to	10:38	9.08	14.20	4.95	14.59	22.82	7.96
10:38	to	11:08	7.62	13.15	5.45	12.24	21.13	8.76



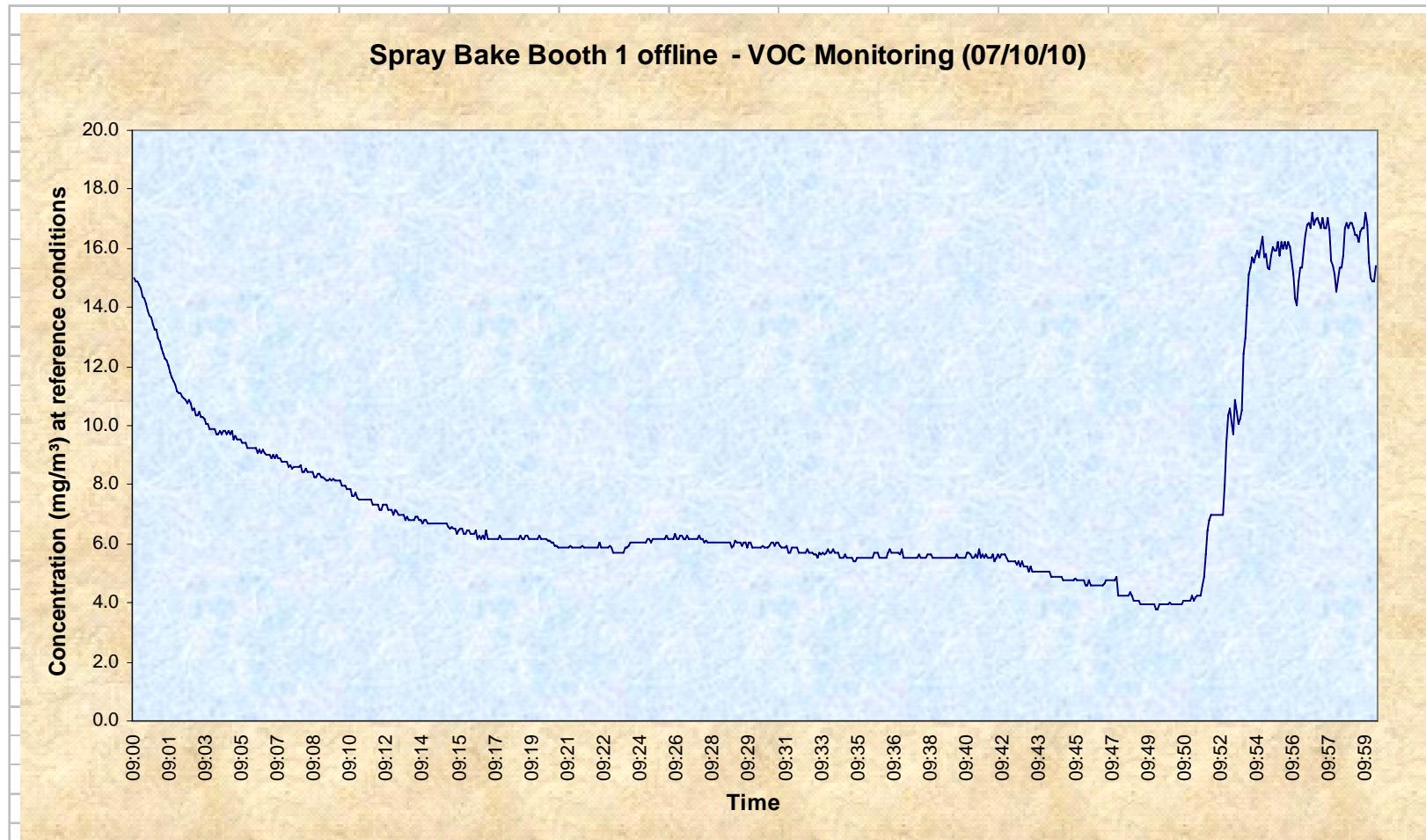
Average Run Time			Volatile Organic Compound (ppm)			Volatile Organic Compound (mg/m ³)		
			Mean	Max	Min	Mean	Max	Min
11:10	to	11:40	14.87	32.65	5.85	23.90	52.47	9.40
11:40	to	12:10	7.94	25.60	4.25	12.77	41.14	6.83



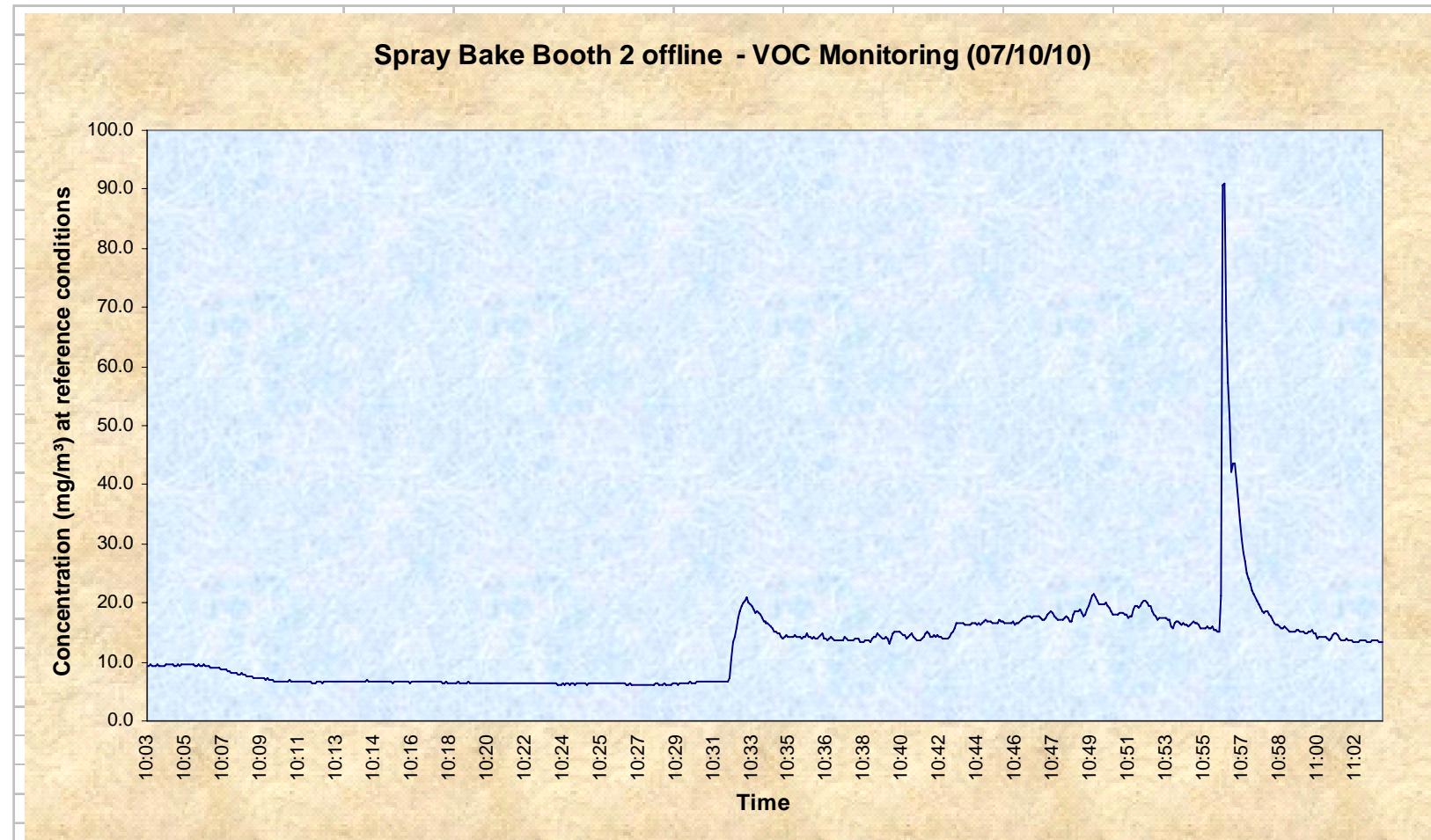
Average Run Time			Volatile Organic Compound (ppm)			Volatile Organic Compound (mg/m ³)		
			Mean	Max	Min	Mean	Max	Min
14:09	to	14:39	8.83	11.65	7.45	14.20	18.72	11.97
14:39	to	15:09	7.38	8.45	6.35	11.86	13.58	10.21



Average Run Time			Volatile Organic Compound (ppm)			Volatile Organic Compound (mg/m ³)		
			Mean	Max	Min	Mean	Max	Min
12:06	to	12:36	9.79	10.45	5.15	15.73	16.79	8.28
12:36	to	13:06	9.93	10.40	9.65	15.95	16.71	15.51



Average Run Time			Volatile Organic Compound (ppm)			Volatile Organic Compound (mg/m^3)		
			Mean	Max	Min	Mean	Max	Min
9:00	to	9:30	4.74	9.35	3.55	7.62	15.03	5.71
9:30	to	10:00	4.78	10.70	2.35	7.68	17.20	3.78



Average Run Time			Volatile Organic Compound (ppm)			Volatile Organic Compound (mg/m³)		
			Mean	Max	Min	Mean	Max	Min
10:03	to	10:33	4.74	12.95	3.85	7.61	20.81	6.19
10:33	to	11:03	10.78	56.70	8.15	17.33	91.13	13.10

APPENDIX D

Isocyanate Results

Client	Terex Compact Equipment								
Site Address	Prologis Park, Coventry								
Job Number	P-RED10-090/EB/R1/Rev0								
Date	6 & 7th October 2010								
Operator(s)	Tony Berek & Vicki Gavin								

Pump Type	Pump No.	Sample ID	Location / Process / Operator	Pump Flow (mls/min)		Sample Duration (mins)		Total Volume (l)	Gas Temp (C)	Atmos Pressure (mbars)	Mass of Analyte (ug)	Concentration (mg/Nm3)
Zambelli	258	10/090/43	Topcoat Booth 1 NCO	Initial	779335.0	Start	10:05	1201.0	18.1	1010	0.200	<0.02
				Final	780536.0	Finish	11:05					
				Difference	1201.0	Total	60					
Zambelli	258	10/090/44	Topcoat Booth 2 NCO	Initial	778182.0	Start	08:45	1158.0	20.9	1010	0.200	<0.02
				Final	779340.0	Finish	09:45					
				Difference	1158.0	Total	60					
Zambelli	258	10/090/45	Topcoat Oven NCO	Initial	780536.0	Start	11:10	1197.0	49.3	1010	0.200	<0.02
				Final	781733.0	Finish	12:10					
				Difference	1197.0	Total	60					
Zambelli	258	10/090/46	Topcoat Flash Off NCO	Initial	785765.0	Start	09:50	1365.0	53.3	1010	0.200	<0.02
				Final	787130.0	Finish	10:50					
				Difference	1365.0	Total	60					
Zambelli	258	10/090/47	Offline Booth 1 NCO	Initial	790184.0	Start	13:25	1330.0	33.1	1010	0.200	<0.02
				Final	791514.0	Finish	14:25					
				Difference	1330.0	Total	60					
Zambelli	258	10/090/48	Offline Booth 2 NCO	Initial	788736.0	Start	12:20	1448.0	32.8	1010	0.200	<0.02
				Final	790184.0	Finish	13:20					
				Difference	1448.0	Total	60					