



AEROSOL MONITORING CERTIFICATE OF ANALYSIS



CLIENT CHRIS THOMPSON, TFL ENGINEERING, TEST DATE 30/01/19
ADDRESS 7TH FLOOR, 5 ENDEAVOUR SQUARE, PAGE NO 1 OF 3
WESTFIELD AVENUE, STRATFORD,
LONDON E20 1JN JOB No 183260
SITE/LOCATION RUISLIP (ADJACENT TO CRANSTON CERTIFICATE No. C183260/300119/
CLOSE) 01
PROCESS BEING MONITORED DIESEL EXHAUST FUME MONITORING ADJACENT TO FLATS IN CRANSTON CLOSE
SAMPLES STATIC/~~PERSONAL~~ ANALYST (S) CTA
ANALYSIS LOCATION BALANCE ROOM, MAIN LABORATORY NO. OF SAMPLES 3 + Blanks

TEST PROCEDURES

TEST METHOD CARRIED OUT IN ACCORDANCE WITH MDHS 14/4 AND IN-HOUSE TEST PROCEDURE 4R-E206. SAMPLING STRATEGY CARRIED OUT IN GENERAL ACCORDANCE WITH HSG 173 MONITORING STRATEGIES FOR TOXIC SUBSTANCES.

TWA: 8-HOUR TIME WEIGHTED AVERAGE

FILTER NUMBER	SAMPLE TYPE *	SAMPLE LOCATION	START TIME	BREAKS IN SAMPLING (IF APPLICABLE)		FINISH TIME	FLOW RATE / (l/min)	VOLUME OF A R / (litres)	CALC. DUST CONC ⁿ / (mg/m ³)	TWA. / (mg/m ³)
				TIME OFF	TIME ON					
183260/10	R	P1 – Left hand side of car park A	9:02	-	-	12:03	2.2	398.2	<0.02	-
183260/11	R	P2 – Right hand side of car park A	9:07	-	-	12:06	2.2	400.4	<0.02	-
183260/12	R	P3 – Middle of car park B	9:08	-	-	12:09	2.2	398.2	<0.02	-

* RESPIRABLE: R, THORACIC: T, INHALABLE: I

TEMPERATURE: 8.8 °C

PRESSURE: 994.6 MILLIBARS

UNCERTAINTY OF MEASUREMENT

THE LOWER LIMIT OF DETECTION IS CALCULATED TO BE 0.02MG. THE OVERALL ACCURACY OF MEASUREMENT IS DEPENDANT ON THE SAMPLING VOLUME: THE GREATER THE SAMPLING VOLUME, THE LOWER THE LIMIT OF ACCURATE MEASUREMENT.

HSE WORKPLACE EXPOSURE LIMIT (EH40/05): RESPIRABLE DUST : 4 MG/M³ (8-HOUR TWA)
INHALABLE DUST: 10 MG/M³ (8-HOUR TWA)

SAMPLES TAKEN ARE HELD IN THE MAIN LABORATORY AND WILL DISPOSED OF AFTER A MINIMUM PERIOD OF SIX MONTHS.

CERTIFICATE PREPARED BY

SIGNED

GRAVIMETRIC ANALYSIS CARRIED OUT BY:

SIGNED

CERTIFIED BY

SIGNED

ISSUE DATE

12th February 2019

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VAT Registration Number: 691 5975 82 Company Registration No.: 3256863

FILTER NUMBER	HEAD/ PUMP NO.	START FLOW RATE / (l/min)	START TIME	FINAL FLOW RATE / (l/min)	FINISH TIME	FLOW RATE CHECK / (l/min)	TIME	FLOW RATE CHECK / (l/min)	TIME	FLOW RATE CHECK / (l/min)	TIME	FLOW RATE CHECK / (l/min)	TIME
183260/10	4RS5/4411 65	2.2	9:02	2.2	12:03	2.2	09:36	2.2	10:38	2.2	11:16	-	-
183260/11	4RS9/4108 12	2.2	9:07	2.2	12:06	2.2	09:38	2.2	10:41	2.2	11:19	-	-
183260/12	4RS17/441 197	2.2	9:08	2.2	12:09	2.2	09:41	2.2	10:47	2.2	11:22	-	-

ENVIRONMENTAL CONDITIONS

START TEMPERATURE 7.3 °C

START PRESSURE 994.7 MILLIBARS

FINAL TEMPERATURE 10.3 °C

FINAL PRESSURE 994.5 MILLIBARS

BALANCE
SERIAL NO.CALIBRATION
DUE DATETIME KEEPING
EQUIPMENT

460096

CALIBRATION
DUE DATE

2/7/19

FLOWMETER
REF. NO.

410846

CALIBRATION
DUE DATE

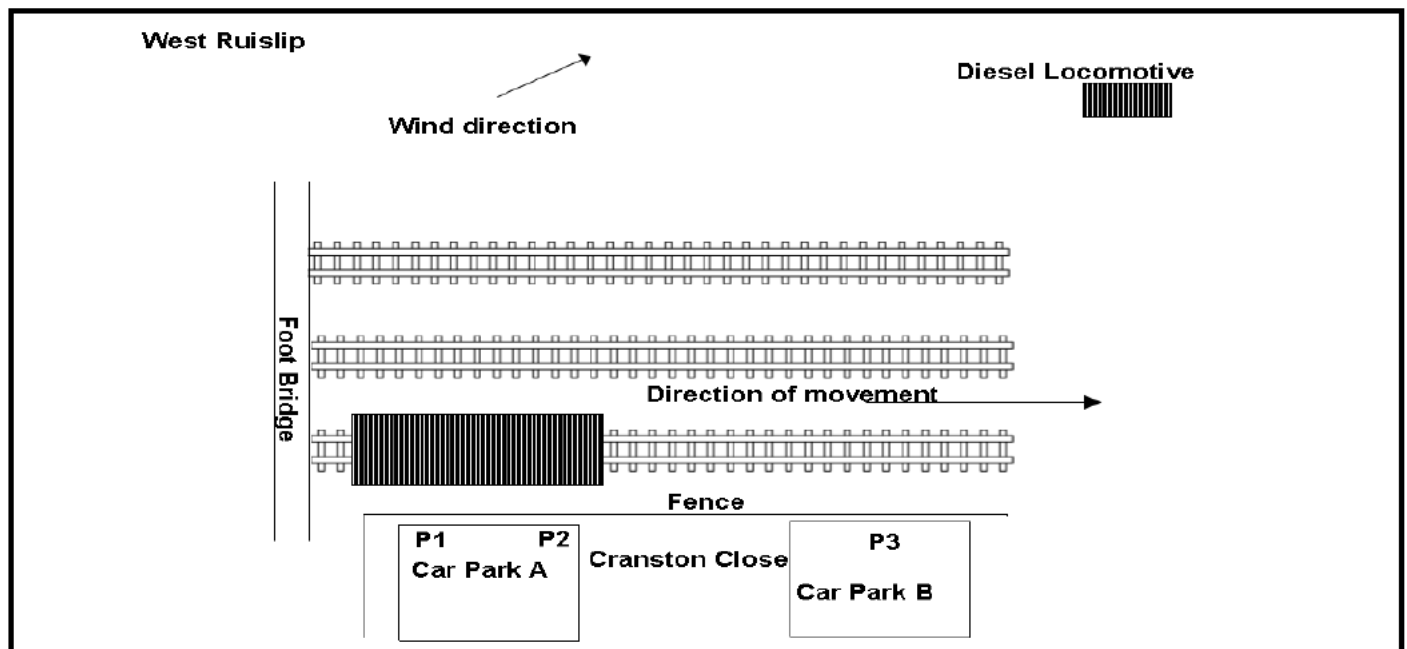
9/2/19

TEMPERATURE
GAUGE. NO.

410783

CALIBRATION DUE
DATE

10/8/19

SITE DIAGRAM

REMARKS/OBSERVATIONS

THE OPINIONS AND INTERPRETATIONS EXPRESSED HEREIN ARE OUTSIDE THE SCOPE OF THE UKAS ACCREDITATION

AIR VELOCITY, IF REQUIRED : METRES PER SECOND

AIR DIRECTION, IF REQUIRED :

DURING SAMPLING

08:00	ARRIVED AT 4RS UNIT 11 TO COLLECT EQUIPMENT AND PAPERWORK
08:30	LEFT FOR SITE
08:55	ARRIVED AT SITE LOCO PRESENT
09:02-09:08	STARTED MONITORING IN 3 LOCATIONS IN CRANSTON CLOSE CAR PARKS
09:22	LOCO TURNS ON – LARGE AMOUNT OF SMOKE RELEASED W ND DIRECTION AWAY FROM CAR PARK
09:28	SMOKE REDUCED BUT STILL FIRE DARK SMOKE BEING PRODUCED
10:03	TRAIN MOVES AWAY FROM CRANSTON CLOSE CAR PARKS
10:32	TRAIN PASSES THROUGH PARKING FURTHER UP TOWARD THE FRONT OF THE FOOT BRIDGE
10:34	ENGINE TURNED OFF
12:03-12:09	TERMINATED TEST. RETURNED TO 4RS UNIT 11
13:30	BOOKED SAMPLES N AT 4RS AND UNIT 11

GM

P1 = BRIAN

P2 = TEGAN

P3 = GABRIEL

NOTE: VISIBLE FUMES OVER CAR PARKS A STINKY SMELL OF DIESEL

TRAIN IDLING WITHIN DEPOT TODAY ONLY 11 MINS OF EXPOSURE ON SITE CONFIRMED BY CHRISTOPHER THOMPSON.

DURING GRAVIMETRIC ANALYSIS

NONE NOTED