



AEROSOL MONITORING CERTIFICATE OF ANALYSIS



CLIENT CHRIS THOMPSON, TFL ENGINEERING, TEST DATE 01/02/19
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. C183260/010219/
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 AIR / (litres)	CALC. DUST CONC ⁿ / (mg/m ³)	TWA. / (mg/m ³)
				TIME OFF	TIME ON					
183260/19	R	P1 – Left hand side of car park A	8:30	-	-	12:37	2.2	536.58	<0.02	-
183260/20	R	P2 – Right hand side of car park A	8:33	-	-	12:40	2.2	536.58	<0.02	-
183260/21	R	P3 – Middle of car park B	8:36	-	-	12:43	2.2	536.58	<0.02	-

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

TEMPERATURE: 4.5 °C

PRESSURE: 984 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
183260/19	4RS5/4411 63	2.2	8:30	2.2	12:37	2.2	09:06	2.2	10:41	2.2	11:41	-	-
183260/20	4RS9/4411 64	2.2	8:33	2.2	12:40	2.2	09:08	2.2	10:44	2.2	11:43	-	-
183260/21	4RS10/410 812	2.2	8:36	2.2	12:43	2.2	09:12	2.2	10:44	2.2	11:46	-	-

ENVIRONMENTAL CONDITIONS

START TEMPERATURE 4.5 °C

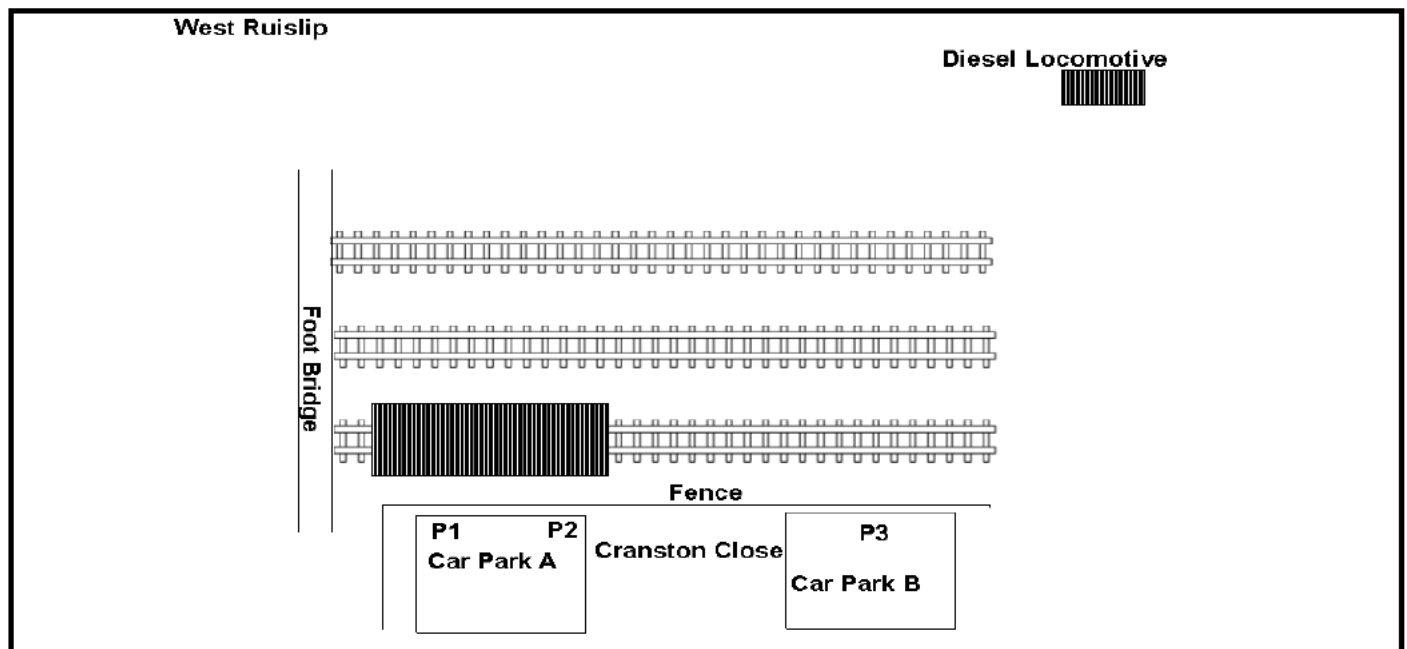
START PRESSURE 987 MILLIBARS

FINAL TEMPERATURE °C

FINAL PRESSURE MILLIBARS

BALANCE SERIAL No.	L40355	CALIBRATION DUE DATE	JUNE 2019	TIME KEEPING EQUIPMENT	460046	CALIBRATION DUE DATE	02/07/19
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FLOWMETER REF. No.	410846	CALIBRATION DUE DATE	09/02/19	TEMPERATURE GAUGE. No.	410783	CALIBRATION DUE DATE	10/08/19
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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

07:30	ARRIVED AT 4RS UNIT 11 TO COLLECT EQUIPMENT AND PAPERWORK
07:55	LEFT FOR SITE
08:25	ARRIVED AT SITE
08:30-08:36	STARTED MONITORING N 3 LOCATIONS
09:40	TRAIN ENGINE STARTED UP AND IDLED.
11:32	TRAIN LEFT SIDINGS TO DEPOT
12:16	TRAIN ARRIVED AGAIN N SIDINGS
12:20	ENGINE TURNED OFF
12:37-12:43	TERMINATED MONITORING
12:45	TRAVEL BACK TO 4RS UNIT 11
13:45	BOOKED SAMPLES N AT 4RS UNIT 11

P1 = GABRIEL

P2 = BRIAN

P3 = TEGAN

NOTE: NO VISIBLE FUMES THROUGHOUT MONITORING

SNOWING LIGHTLY THROUGHOUT MONITORING

DURING GRAVIMETRIC ANALYSIS

VOLUME CORRECTION FOR TEMPERATURE CHANGE