



AEROSOL MONITORING CERTIFICATE OF ANALYSIS



CLIENT CHRIS THOMPSON, TFL ENGINEERING, TEST DATE 28/01/19
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. C183260/280119/
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					
183260/01	R	P1 – Left hand side on fence of car park A	8:56	-	-	12:16	2.2	440	0.07	-
183260/02	R	P2 – Right hand side on fence of car park A	9:00	-	-	12:20	2.2	440	0.03	-
183260/03	R	P3 – Middle on fence of car park B	9:07	-	-	12:28	2.2	442.2	0.05	-

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

TEMPERATURE: 8.2 °C

PRESSURE: 1005.4 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 BE 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
183260/01	4RS5/4411 63	2.2	8:56	2.2	12:16	2.2	10:11	2.2	11:14				
183260/02	4RS9/4411 61	2.2	9:00	2.2	12:20	2.2	10:13	2.2	11:18				
183260/03	4RS17/441 162	2.2	9:07	2.2	12:28	2.2	10:17	2.2	11:21				

ENVIRONMENTAL CONDITIONS

START TEMPERATURE 6.5 °C

START PRESSURE 1007.1 MILLIBARS

FINAL TEMPERATURE 9.9 °C

FINAL PRESSURE 1006.6 MILLIBARS

BALANCE
SERIAL No.CALIBRATION
DUE DATETIME KEEPING
EQUIPMENT

460096

CALIBRATION
DUE DATE

2/7/19

FLOWMETER
REF. No.

410846

CALIBRATION
DUE DATE

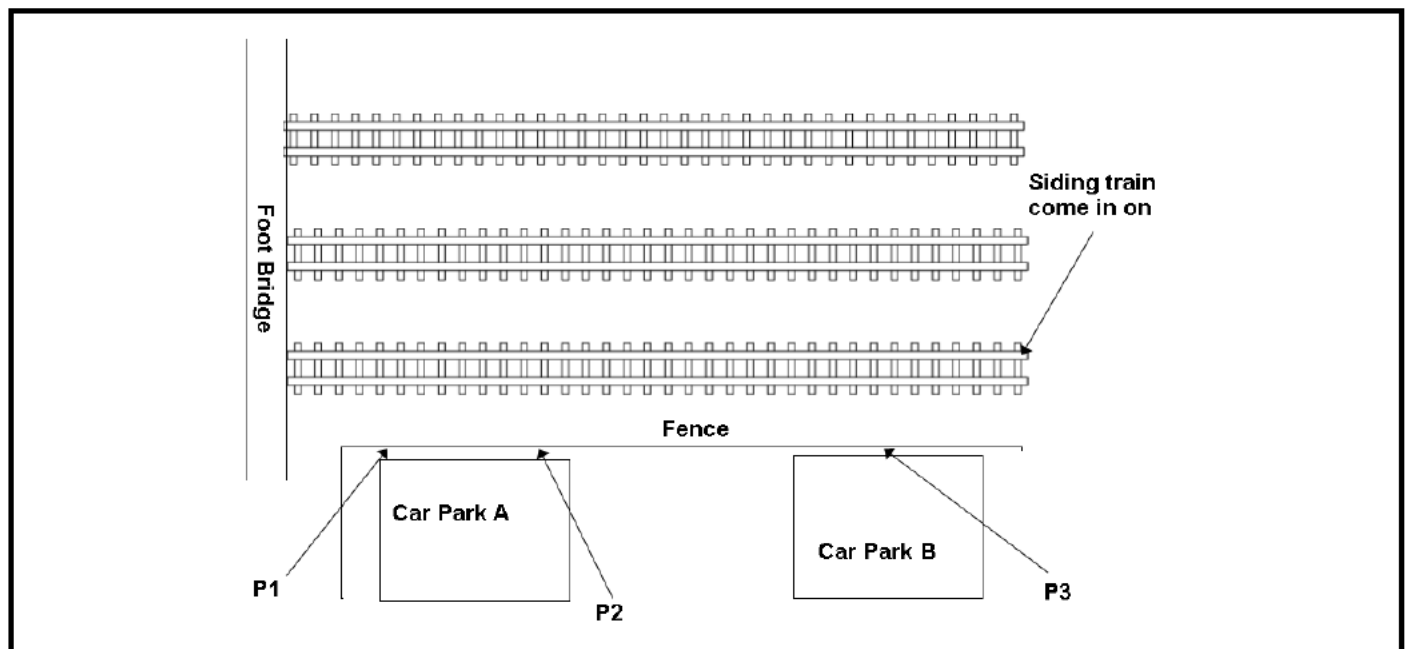
9/2/19

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

07:30 ARRIVAL AT 4RS UNIT 11 TO SORT OUT PAPERWORK, BRIEFING AND EQUIPMENT

08:15 TRAVEL TO CRANSTON CLOSE

08:56 - 09:07 STARTED MONITORING IN 3 POSITIONS WITHIN 2 CAR PARKS ON CRANSTON CLOSE. ADJACENT TO RAIL LINES

10:49 – 10:57 TR A N TURNED UP AND HAD ENG NE RUNNING

12:16 – 12:26 TERMINATED MONITORING

13:45 4RS BOOKED SAMPLES IN AT 4RS UNIT 11

GM:

P1 = SUSAN

P1 = WILBERT

P3 = GABRIEL

NOTE: VISIBLE FUMES OVER CAR PARKS AND SMELLY DIESEL

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

DURING GRAVIMETRIC ANALYSIS

NONE NOTED