

R CARR GEOTECHNICAL SERVICES

VERIFICATION REPORT

443a Brighton Road, Croydon CR2 6EU.

(Developer: Skillcrown Homes Ltd)

1. Previous Investigations

- 1.1 This document should be viewed in conjunction with the Geo-environmental and Geotechnical Assessment (Ground Investigation) Report undertaken by Jomas Associates Ltd (Report Reference P1828J1689/SC) dated 11th March 2021. A summary of the report and its recommendations is provided below.
- 1.2 The site comprises a historical gravel pit which had been infilled by 1895. Saw mills had been constructed on the site prior to 1955, together with an electricity substation on the northwest boundary. A fuel station occupied the site from 1973 to circa 1990, at which time decommissioning took place and underground fuel tanks removed. Since the early 1990's a commercial building functioning as a car show room has occupied the site. The area surrounding the site is predominantly residential with several industrial features.
- 1.3 The underlying geology of the site comprises Hackney Gravel overlying undifferentiated Chalk composed of the Lewes Nodular Chalk, Seaford Chalk and Newhaven Chalk members. Intrusive ground investigations undertaken by Jomas Ltd revealed the following soil conditions beneath the site:

Depth	Stratum
Ground level – 1.3m/3.25m+	Made Ground
1.3m/2.4m – 2.4m/4.8m	HACKNEY GRAVEL
2.4m/4.8m -5.7m/6.7m	Weathered CHALK
5.7m/6.7m – 25m+	Undifferentiated CHALK

- 1.4 Regarding the hydrogeology and hydrology of the site, the Hackney Gravel is classified as a Secondary A Aquifer and the Chalk as a Principal Aquifer. Groundwater was encountered by the Jomas investigations within the Chalk formation at approximately 10m beneath the site surface. The nearest surface water feature to the site identified by the Jomas report was the River Wandle, located 47m to the northwest and probably culverted at this point. No other surface water features were identified within 250m of the site. A potable water abstraction was identified 159m to the northeast and the site is located within EA Flood Zones 2 and 3.
- 1.5 Soil samples recovered during the course of the intrusive investigation were tested for a suite of contaminants including speciated PAH, TPH/CWG, PCBs, VOCs and presence of asbestos. The test results were compared with soil screening criteria for

residential development with no plant uptake provided by CLEAv1.06, S4UL, and BS:3882 (2015), elevated concentrations of the following substances which could pose a risk to human health and plant life being detected:

Contaminant	Depth	No of Samples
Lead	1.2m	1
Zinc	0.5m-1.2m	1
Napthalene	0.5m	1
Benzo(b)anthracene	0.4m-1.3m	5
Benzo(a)pyrene	0.4m-1.3m	6
Dibenz(ah)anthracene	0.4m-1.3m	4
Total PCBs	0.5m	1

- 1.6 In addition, fibres of Amosite asbestos were detected between 0.4m and 0.6m in two samples, with Chrysotile asbestos fibres being identified at similar depths in three samples. Subsequent asbestos quantification revealed quantities of less than 0.1%, indicating that asbestos-containing soil could be disposed of as non-hazardous waste.
- 1.7 Two samples of groundwater obtained from the boreholes were compared with Environmental Quality Standardss (EQS), Lowest Effect Concentrations (LEC), WHO Health, UK Drinking Water Standards (DWS) and Urban Wastewater Treatment Regulations (UWWTR). Elevated concentrations of Zinc were identified though the bioavailability was anticipated to be lower than the total level reported by the laboratory. The nearby River Wandle was anticipated to be culverted and groundwater is not in hydraulic conductivity with the river. There was no exceedance of DWS therefore a risk to controlled waters was not identified.
- 1.8 VOCs were generally below laboratory detection levels. A marginal elevation of naphthalene vapour was recorded from one PID test which was attributed to asphalt fragments within the sample. The ground floor of the proposed development is designated for commercial use and bicycle storage of low sensitivity and monitoring of ground gases identified the site as Characteristic Situation 1 (i.e. very low risk). No gas protection measures were therefore considered necessary within the design of the proposed development.
- 1.9 Concentrations of TPH fractions EC10-EC16 were considered to pose a risk to polyethylene water services, therefore upgraded water supply pipes would be required within the development.

2. The Development

- 2.1 The development comprises ground floor commercial premises with residential accommodation above and associated areas of vehicular parking. Areas of communal landscaping are included within the central area of the site and along the site margins. No private gardens are contained within the development.

3. Objectives

3.1 To eliminate potential pathways of contaminants to:

- * **End users**
- * **Site workers**
- * **Local Residents**
- * **Plants**
- * **Groundwater**

4. Proposed Remediation

- 4.1 Based on the findings and recommendations of the Jomas report, the following remediation strategy was proposed for the site:
- 4.2 Pathways for contaminants to reach end-users will be eliminated in areas of the site that will be covered with permanent hardstanding and building footprints, therefore removal of soil was considered unnecessary in these areas as contaminated soil would be encapsulated.
- 4.3 In areas of proposed landscaping it was recommended that the contaminated Made Ground should be excavated to a depth of 600mm below finished site levels. As well as removing excessive contaminative substances, this procedure would also serve to remediate asbestos containing soil. The reduction in site level was to be documented with photographic evidence for inclusion within a Validation Report for the site.
- 4.4 Excavated soil was to be removed from the site to an appropriately licensed waste facility and haulage transfer notes retained for inclusion within the Validation Report.
- 4.5 With reference to BRE document "*Cover systems for land regeneration*" (2004) it was recommended that areas of proposed landscaping should be provided with a minimum clean cover of 450mm. The clean cover should include 225mm certified topsoil in areas of public or communal soft landscaping. Prior to the placement of the clean capping a proprietary geotextile should be placed upon the reduced ground surface in order to provide a capillary break layer between the imported soil and the remaining Made Ground.
- 4.6 Should the base of the Made Ground be encountered at a shallower depth than the depth of the proposed clean cover, the depth of the clean cover could be limited to the thickness of the made ground removed, or thickness required for finished levels. Testing of the natural strata for residual contamination would however need to be undertaken at a satisfactory rate prior to the approval of this proposal.
- 4.7 The source of the imported soil was to be confirmed and the soil independently tested for contamination in order to ensure that it was free from contamination and suitable for its proposed use on the site. In-situ validation testing of the imported capping layer


was to be undertaken and a map of the sampling locations submitted with the Validation Report.

- 4.8 Hydrocarbons present within the Made Ground could be deleterious to polyethylene water supply pipes, therefore the use of upgraded potable water services was recommended within the development. Evidence confirming the use of upgraded supply pipes was to be included within the Verification Report.
- 4.9 Appropriate precautions were to be taken within the design of surface water drainage for the proposed development so as to prevent additional contamination entering the subsoil, particularly in proposed areas of vehicular parking.
- 4.10 Site workers were to be made aware that contamination existed beneath the site and provided with appropriate protective clothing and washing facilities.
- 4.11 It was recommended that dust emissions should be minimised as far as possible during the course of the development in order to safeguard the health of site workers and occupants of neighbouring premises.
- 4.12 The above procedures were to be fully recorded and documented for inclusion within the Verification Report to be compiled after completion of the remedial strategy.

5. Remedial Works

- 5.1 Site levelling was undertaken by the developer and a geotextile placed in all areas of landscaping. Photographs showing the reduced levels and incorporation of the geotextile together with placement of imported topsoil are provided in Appendix A. The developer has also provided a granular capillary break layer over the geotextile, capped with 450mm imported soil.
- 5.2 Excavated soil was removed from the site by Norman Road Haulage Ltd of 122/136 London Road, Mitcham CR4 3LB and Toulouse Plant Hire Ltd of 55-71 Norman Road, Greenwich SE10 9QF. The excavated material has been removed to the waste depository at the Toulouse depot on Albion Lane, Dartford DA1 5PZ. A selection of Waste Transfer Notes documenting this procedure is contained in Appendix B.
- 5.3 Imported topsoil for use in garden and landscaped areas was provided by Toulouse Plant Hire Ltd, having been sourced from Blockade Services Ltd of Moorhouse Park, Westerham, Kent TN16 2EU. The site was visited on 27th February and three samples of topsoil were obtained for validation testing at the DETS accredited laboratory based at Rose Lane Industrial Estate, Lenham Heath, Kent ME17 2JN. The results of the tests revealed contaminant concentrations well within CLEA Soil Guideline values and LQM/CIEH Generic Assessment Criteria for residential development, therefore the material was considered suitable for use on the site. A plan showing locations of the sampling points and the laboratory test results for the imported soil are presented in Appendix C.

- 5.4 Upgraded water supply pipes have been utilised within the development, photographic evidence of the installation being provided in Appendix D.
- 5.5 No evidence of previously undetected contamination was discovered at the site during the course of ground workings.
- 5.6 The above procedures and documentation confirm that the recommended remedial procedures have been undertaken and that the site is now suitable for its proposed use a commercial/residential development with areas of landscaping.

Signed by  Date 6/3/24

R. Carr BA (Hons) FGS

March 2024

R. Carr Geotechnical Services

9 The Mallows, Maidstone, Kent ME14 2PX.

Tel: 07974758617 Email: RONCARR200@aol.com

Appendix A
Reduced Levels &
Topsoil Placement





Appendix B
Haulage Transfer Notes

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited

11673

55-71 Norman Road, Greenwich SE10 9QF Tel: 020 8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate) EWC DATE: 30 12 23

MIXED CONSTRUCTION & DEMOLITION WASTE 17.05.04
 Vehicle Reg. No.: SW16TJH
 In Words: BRICKS

INERT SOIL & STONE 17.05.04
 CONCRETE 17.01.01
 NON-HAZARDOUS WASTE 17.05.04
 HARDWARE Tiles & Bricks 17.01.07
 OTHER

BUILDING MATERIALS DESCRIPTION: BRICKS

Print Drivers Name: DAVID

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME: SKILLERBYN
 ADDRESS: BINGHAM ROAD
 TIME ON SITE: 12.00 TIME OFF SITE: 2.00
 WASTE REG. No. (if applicable): SIC Code: 41.202

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed by Driver: [Signature] Signed on Behalf of Customer: [Signature]

Date: 30.12.23 Print Name: _____

Customers ordering vehicles off the public roads do so entirely at their own risk

SECTION C - PERSON COLLECTING WASTE SUB CONTRACTOR HAULER

Hauliers Name: ESDAW 6372
 Toulouse Plant Hire Limited
 55-71 Norman Road, Greenwich SE10 9QF
 Registered Waste Carrier (CR/DOT116301)
 (Issued by Environment Agency)

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME: T. B. B. B. W/F No: _____
 ADDRESS: 10116 BINGHAM ROAD

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited

11508

55-71 Norman Road, Greenwich SE10 9QF Tel: 020 8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate) EWC DATE: 07.12.23

MIXED CONSTRUCTION & DEMOLITION WASTE 17.05.04
 Vehicle Reg. No.: EM7JLWLD
 In Words: BRICKS

INERT SOIL & STONE 17.05.04
 CONCRETE 17.01.01
 NON-HAZARDOUS WASTE 17.05.04
 HARDWARE Tiles & Bricks 17.01.07
 OTHER

BUILDING MATERIALS DESCRIPTION: BRICKS

Print Drivers Name: FAIZ

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME: SKILLERBYN
 ADDRESS: BINGHAM ROAD
 TIME ON SITE: 09.00 TIME OFF SITE: 01.00
 WASTE REG. No. (if applicable): SIC Code: 41.202

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed by Driver: [Signature] Signed on Behalf of Customer: _____

Date: 07.12.23 Print Name: _____

Customers ordering vehicles off the public roads do so entirely at their own risk

SECTION C - PERSON COLLECTING WASTE SUB CONTRACTOR HAULER

Hauliers Name: [Signature]
 Toulouse Plant Hire Limited
 55-71 Norman Road, Greenwich SE10 9QF
 Registered Waste Carrier (CR/DOT116301)
 (Issued by Environment Agency)

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME: T. B. B. B. W/F No: _____
 ADDRESS: 10116 BINGHAM ROAD

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited

11509

55-71 Norman Road, Greenwich SE10 9QF Tel: 020 8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate)

EWG

DATE 07.12.23

Vehicle Reg. No. GML63WJLW

Metres: 1.5 x 2.5

In Words:

GROSS: 17.05.04

TARE: 17.01.01

NETT: 17.05.04

Plant Drivers Name: E.S.S.

BUILDING MATERIALS DESCRIPTION: Soil, Stone, Darkford

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME SKILLCROWN

ADDRESS BRIGHTON RD CR2

TIME ON SITE 12.15

TIME OFF SITE 12.12

WASTE REG. No. (if applicable)

SIC Code 41-20-2

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed by Driver [Signature] Signed on behalf of Customer

Date 07.12.23 Plant Name

SECTION C - PERSON COLLECTING WASTE

Sub Contractor Haulier

Haulier Name: Toulouse Plant Hire Limited

55-71 Norman Road, Greenwich SE10 9QF

Registered Waste Carrier: CB00119301

(Issued by Environment Agency)

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME TAYLOR & PLANT

ADDRESS 2 ALBION RD DARTFORD

WIP NO.

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited

11510

55-71 Norman Road, Greenwich SE10 9QF Tel: 020 8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate)

EWG

DATE 07.12.23

Vehicle Reg. No. GML63WJLW

Metres: 1.5 x 2.5

In Words:

GROSS: 17.05.04

TARE: 17.01.01

NETT: 17.05.04

Plant Drivers Name: E.S.S.

BUILDING MATERIALS DESCRIPTION: Soil, Stone, Darkford

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME SKILLCROWN

ADDRESS BRIGHTON RD CR2

TIME ON SITE 14.70

TIME OFF SITE 14.50

WASTE REG. No. (if applicable)

SIC Code 41-20-2

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed by Driver [Signature] Signed on behalf of Customer

Date 07.12.23 Plant Name

SECTION C - PERSON COLLECTING WASTE

Sub Contractor Haulier

Haulier Name: Toulouse Plant Hire Limited

55-71 Norman Road, Greenwich SE10 9QF

Registered Waste Carrier: CB00119301

(Issued by Environment Agency)

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME TAYLOR & PLANT

ADDRESS 2 ALBION RD DARTFORD

WIP NO.

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited

11376

55-71 Norman Road, Greenwich SE10 9QF Tel: 020 8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate) EWC

MIXED CONSTRUCTION & DEMOLITION WASTE 17.09.04

INERT SOIL & STONE 17.05.04

CONCRETE 17.01.01

NON HAZARDOUS WASTE 17.05.04

HARDWARE Tiles & Bricks 17.01.07

OTHER 17.09.04

BUILDING MATERIALS DESCRIPTION:
TYPICAL CONCRETE

Date: 21/11/23

Vehicle Reg. No.: G167RXX

Metric: 15

In Words: 1 x 8 wheel load

GROSS:

TARE:

NETT:

Print Drivers Name: DAVE CORRIGAN

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME: SKULLBORN

ADDRESS: THE ARROW RD SOUTH GREENWICH

TIME ON SITE: 12.15

TIME OFF SITE: 12.37

WASTE REG. No. (if applicable):

SIC Code: 41202

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed by Driver: [Signature]

Date: 21/11/23

Customers ordering vehicles off the public roads do so entirely at their own risk

SECTION C - PERSON COLLECTING WASTE

Hauliers Name: Toulouse Plant Hire Limited

55-71 Norman Road, Greenwich SE10 9QF

Registered Waste Carrier: CB01118801

(Issued by Environment Agency)

Haulier Name:

Registered Carrier No:

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME: Dave's Recycling

ADDRESS: Dave's Recycling

WIF No:

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited - 11377

55-71 Norman Road, Greenwich SE10 9QF Tel: 020 8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate) EWC

MIXED CONSTRUCTION & DEMOLITION WASTE 17.09.04

INERT SOIL & STONE 17.05.04

CONCRETE 17.01.01

NON HAZARDOUS WASTE 17.05.04

HARDWARE Tiles & Bricks 17.01.07

OTHER

BUILDING MATERIALS DESCRIPTION:
TYPICAL CONCRETE

Date: 23/11/23

Vehicle Reg. No.: G267RXX

Metric: 15

In Words: 1 x 8 wheel load

GROSS:

TARE:

NETT:

Print Drivers Name: DAVE CORRIGAN

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME: SKULLBORN

ADDRESS: THE ARROW RD SOUTH GREENWICH

TIME ON SITE: 13.16

TIME OFF SITE: 13.25

WASTE REG. No. (if applicable):

SIC Code: 41202

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed by Driver: [Signature]

Date: 21/11/23

Customers ordering vehicles off the public roads do so entirely at their own risk

SECTION C - PERSON COLLECTING WASTE

Hauliers Name: Toulouse Plant Hire Limited

55-71 Norman Road, Greenwich SE10 9QF

Registered Waste Carrier: CB01118801

(Issued by Environment Agency)

Haulier Name:

Registered Carrier No:

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME: Dave's Recycling

ADDRESS: Dave's Recycling

WIF No:

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited

11020

55-71 Norman Road, Greenwich SE10 9QF Tel: 020-8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

Rick as appropriate) EWC

MIXED CONSTRUCTION & DEMOLITION WASTE (17.05.04)

INERT SOIL & STONE 17.05.04

CONCRETE 17.01.01

NON HAZARDOUS WASTE 17.05.04

HARDWARE Tiles & Bricks 17.01.07

OTHER

BUILDING MATERIALS DESCRIPTION: MIXED CONSTRUCTION & DEMO

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME SKILLSON

ADDRESS BRISTOLTON RD SOUTH CROYDON

TIME ON SITE 12:15 TIME OFF SITE 12:55

WASTE REG. No. (if applicable) SIC Code 412012

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed by Driver: [Signature]

Date: 22/11/23

Print Name: [Name]

Customers ordering vehicles off the public roads do so entirely at their own risk

SECTION C - PERSON COLLECTING WASTE SUB CONTRACTOR HAULER

Hauliers Name: Toulouse Plant Hire Limited

55-71 Norman Road, Greenwich SE10 9QF

Registered Waste Carrier: CB/DUT19301

(Issued by Environment Agency)

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME TOULOUSE PLANT HIRE

ADDRESS AUSTON RD DALRY

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited

11021

55-71 Norman Road, Greenwich SE10 9QF Tel: 020 8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

Rick as appropriate) EWC

MIXED CONSTRUCTION & DEMOLITION WASTE (17.05.04)

INERT SOIL & STONE 17.05.04

CONCRETE 17.01.01

NON HAZARDOUS WASTE 17.05.04

HARDWARE Tiles & Bricks 17.01.07

OTHER

BUILDING MATERIALS DESCRIPTION: MIXED CONSTRUCTION & DEMO

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME SKILLSON

ADDRESS BRISTOLTON RD SOUTH CROYDON

TIME ON SITE 15:30 TIME OFF SITE 15:40

WASTE REG. No. (if applicable) SIC Code 412012

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed by Driver: [Signature]

Date: 22/11/23

Print Name: [Name]

Customers ordering vehicles off the public roads do so entirely at their own risk

SECTION C - PERSON COLLECTING WASTE SUB CONTRACTOR HAULER

Hauliers Name: Toulouse Plant Hire Limited

55-71 Norman Road, Greenwich SE10 9QF

Registered Waste Carrier: CB/DUT19301

(Issued by Environment Agency)

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME TOULOUSE PLANT HIRE

ADDRESS AUSTON RD DALRY

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited

11019

55-71 Norman Road, Greenwich SE10 9QF Tel: 020 8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

- (tick as appropriate) EWC
- MIXED CONSTRUCTION & DEMOLITION WASTE 17.09.04
 - INERT SOIL & STONE 17.05.04
 - CONCRETE 17.01.01
 - NON HAZARDOUS WASTE 17.05.04
 - HARDWARE Tiles & Bricks 17.01.07
 - OTHER
 - BUILDING MATERIALS DESCRIPTION:

DATE: 22/11/23
Vehicle Reg. No: GL68 XTV
Metres: 15'
In Words: 1x8wload
GROSS:
TARE:
NETT:
Print Drivers Name: DAVE CORRIGAN

CONCRETE TARE

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME: SKILLCORN
ADDRESS: BRIGHTON RD SOUTH CROYDON
TIME ON SITE: 12.00 TIME OFF SITE: 10.15
WASTE REG. No. (if applicable): SIC Code: 4120/2

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011



Signed by Driver

Signed on behalf of Customer

Date

Print Name

Customers ordering vehicles off the public roads do so entirely at their own risk.

SECTION C - PERSON COLLECTING WASTE

Haulers Name:
Toulouse Plant Hire Limited
55-71 Norman Road, Greenwich SE10 9QF
Registered Waste Carrier: CB/DU119301
(Issued by Environment Agency)

SUB-CONTRACTOR HAULIER

Haulier Name:

Registered Carrier No:

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME

W/F No.

ADDRESS

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited

11047

55-71 Norman Road, Greenwich SE10 9QF Tel: 020 8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

- (tick as appropriate)
- | | | |
|-------------------------------------|---------------------------------------|----------|
| <input type="checkbox"/> | MIXED CONSTRUCTION & DEMOLITION WASTE | 17.09.04 |
| <input checked="" type="checkbox"/> | INERT SOIL & STONE | 17.05.04 |
| <input type="checkbox"/> | CONCRETE | 17.01.01 |
| <input type="checkbox"/> | NON HAZARDOUS WASTE | 17.05.04 |
| <input type="checkbox"/> | HARDCORE Tiles & Bricks | 17.01.07 |
| <input type="checkbox"/> | OTHER | |
| <input type="checkbox"/> | BUILDING MATERIALS DESCRIPTION:- | |
- SOIL + STONE

DATE 30/11/23
Vehicle Reg. No. CL68XTV
Metres: 15
In Words: 1x8 wheel
GROSS:
TARE:
NET:
Print Drivers Name: DAVE CORRIGAN

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME SKINCROWN
ADDRESS BRITTON RD Rye
TIME ON SITE 11.55 TIME OFF SITE 12.15
WASTE REG. No. (if applicable) SIC Code 41/20/2

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed by Driver [Signature] Signed on behalf of Customer [Signature]
Date 30/11/23 Print Name [Signature]

Customers ordering vehicles off the public roads do so entirely at their own risk

SECTION C - PERSON COLLECTING WASTE

Hauliers Name: Toulouse Plant Hire Limited
55-71 Norman Road, Greenwich SE10 9QF
Registered Waste Carrier: CB/DU118301
(Issued by Environment Agency)

SUB CONTRACTOR HAULIER

Haulier Name:
Registered Carrier No:

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME TOULOUSE PLANT HIRE WIF No.
ADDRESS ALBION RD DAI SPZ

WASTE TRANSFER NOTE

Toulouse Plant Hire Limited

11378

55-71 Norman Road, Greenwich SE10 9QF Tel: 020 8305 9641

SECTION A - DESCRIPTION OF WASTE MATERIALS

(Tick as appropriate)	EWC	DATE: 21/11/23
<input checked="" type="checkbox"/> MIXED CONSTRUCTION & DEMOLITION WASTE	17.06.04	Vehicle Reg. No. G367 RXW
<input type="checkbox"/> INERT SOIL & STONE	17.05.04	Metres: 15
<input type="checkbox"/> CONCRETE	17.01.01	In Words: 1x8 wheel load
<input type="checkbox"/> NON HAZARDOUS WASTE	17.05.04	GROSS:
<input type="checkbox"/> HARDWARE Tiles & Bricks	17.01.07	TARE:
<input type="checkbox"/> OTHER		NETT:
<input type="checkbox"/> BUILDING MATERIALS DESCRIPTION:		Print Drivers Name: DAVE CORRIGAN
MIXED CONCRETE DEMO		

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME: SKILLCROWN
ADDRESS: THORNTON RD SOUTH CROYDON
TIME ON SITE: 14-10 TIME OFF SITE:

WASTE REG. No. (if applicable):

SIC Code: 4120/2

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed by Driver: *[Signature]* Signed on behalf of Customer:

Date: 21/11/23 Print Name:

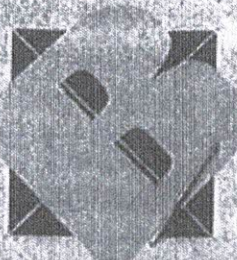
Customers ordering vehicles off the public roads do so entirely at their own risk

SECTION C - PERSON COLLECTING WASTE	SUB CONTRACTOR HAULIER
Hauliers Name: Toulouse Plant Hire Limited 55-71 Norman Road, Greenwich SE10 9QF Registered Waste Carrier: CB/DU119301 (Issued by Environment Agency)	Haulier Name: <i>[Signature]</i> Registered Carrier No:

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME: TOULOUSE PLANT HIRE WIF No:

ADDRESS: ALBION RD DAVENPORT



Blockade

SERVICES LIMITED

GRAB AND TIPPER HIRE

Muck-away, Screened Soils, Aggregates

Moorhouse Park, Off Westerham Road,
Moorhouse, Westerham, TN16 2EU

T: 01342 893174

e-mail: accounts@blockadeservices.co.uk

Web: www.blockadeservices.co.uk

Waste Carriers Reg. No.

CBDU184180

Ticket No. 302480

Customer/Waste Producer <i>Touche Haulage Toulouse</i>	Site Address <i>Brighton Rd Parley</i>
Date <i>22/11/23</i>	Order No.
Drivers Name <i>Paul</i>	Vehicle Reg No. <i>1CS71WKC</i>

Tick	Materials Removed	Volume	Disposal Site	Tick
	EWG 17.05.04 SOIL / STONE / CLAY / CHALK		South Godstone Quarry RH9 8LJ	
	EWG 17.01.01 CONCRETE BREAKOUT		Restoration GPR-GB3400MB	
	EWG 17.01.02 BRICK HARDCORE		South Godstone Quarry RH9 8LJ	
<input checked="" type="checkbox"/>	EWG 17.01.07 CONCRETE / BRICK MIXED HARDCORE	<i>1XLD</i>	Recycling GPR-GB3107CQ	<input checked="" type="checkbox"/>
	EWG 17.03.02 TARMAC BREAKOUT / PLANINGS		Other	
	EWG 19.12.12 MECHANICALLY SORTED HARDCORE			
	OTHER EWG			

Materials Delivered	Volume	Tick
		Tipped Off
		Grabbed Off

All recycled aggregates are produced to the WRAP protocol

Time Vehicle arrived on site		Day work start time	
Time vehicle left site		Day work finish time	

Comments:

By signing the signature box below, I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Signature *[Signature]* Please Print Name *ADR Wain*

CUSTOMERS ORDERING VEHICLES OFF THE PUBLIC HIGHWAY DO SO AT THEIR OWN RISK

SIC Code: 38.11



**NORMAN ROAD HAULAGE
(WIMBLEDON) LTD**

No: **241846**

Date: **22 11 23**

122/136 London Road, Mitcham, Surrey CR4 3LB (Transferee)

tel : 020 8640 7411 fax : 020 8640 8873 web : www.normanroad.co.uk

Registered Waste Carrier No. CBDU76609

VAT No. 523 5950 46

Duty of Care Controlled Waste Transfer Note / Conveyance Note

Customer (Transferor)		TOUHOUSE 70 SKILLCROWN		Driver Name		PAUL	
Address of transfer	Street	BRIGLTON RD		Vehicle Registration		K99N24	
	Town	CR2 6EU		SIC Code (2007)		43.12	
tick	European Waste Code & Waste Description			SIC Code (2007)		43.12	
	17.05.04 Soil & Stones - Inert			43.12		43.11	
	17.01.01 Broken Concrete Away			43.12		43.12	
	17.01.02 Hardcore Away			43.11		43.12	
	17.01.07 Mixture Brick & Concrete			43.12		43.12	
	17.05.04 Soil & Stones - Non Hazardous			43.12		49410	
	TARMAC + TORRENT						

Quantity - As measure by Customer **ONE LOAD** Tick if Grab Veh

Excess Waiting Time (after 15 minutes) Time charged : _____

Agreed By (print name) _____ (Signature) _____

Transfer / Waste Disposal Point

Operator Name	TOUHOUSE	Tkt No.	
Address of transfer	BRIGLTON RD		
Postcode		Permit Number	

By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Transferee's signature collecting on behalf of Norman Road Haulage	Customer (Transferor) Signature	Customer (Transferor) Name

Executed subject to NRH Standard Conditions of Trading
N.B. Customers ordering vehicles off the road do so entirely on their own responsibility.

Appendix C
Topsoil Validation



Blockade Services
 Moorhouse Park Westerham Road
 TN16 2EU Westerham
 01342 893806

WEIGHT TICKET
 1025/2024
 External receipt

License plate no. GL19FWN
 PRODUCT: CONTRACTORS MIX
 CUSTOMER: TOULOUSE

HAULIER: TOULOUSE
 SITE REFERENCE: ---
 COLLECTION NO:
 REMARKS:

Weighing 1 **12760 kg** 15/02/2024 10:31 Alibi no. **54799**
 Weighing 2 **30840 kg** 15/02/2024 10:43
 Net **18080 kg**
 Net to be calculated **18080 kg**


 Scale attendant signature

Driver signature
 Printed on: 15/02/2024 10:42:58

Weighed by: Weighbridge Operator

Information on weight value is included in weight indication register

Section 34 Environmental Protection Act 1990 you are obliged to retain this note for two years.

I confirm that i have fulfilled my duty to apply the Waste Hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

By signing this weighbridge ticket you are agreeing to comply with our site rules

CONVEYANCE NOTE (FORM A) 10795

Weights and Measures Act, 1963
 Schedule 5, para 7

TOULOUSE PLANT HIRE LTD.
 HAULAGE & PLANT HIRE

55-71 NORMAN ROAD, GREENWICH, LONDON SE10 9QF
 TEL: 020-8305 9641 / 020-8692 3879

N.B To Customers:
 This is in your interest - Please read this ticket fully, and inspect material, agreeing quantity, quality and that every thing is to your satisfaction, before finally signing this receipt note
 We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site, and a clear signature has been given

LOADED AT *Westerham* Date and Time of Loading: *15-2-24*

Deliver to *M. Skelley Road*

at *Westerham*

Registered No. of Vehicle <i>GL19FWN</i>	Name of Person in Charge of Vehicle <i>Sohn</i>
QUANTITY <i>1 x 8 wheeler</i>	DESCRIPTION OF MATERIAL <i>T/Soil</i>
Tonnes	Kg
GROSS	TARE
NET	

Returned by: *[Signature]* Date: *15/2/24*
 Certified that the above particulars are true and relate to the sand or ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of a sale or an agreement for the sale thereof made by volume.

Signed for and on behalf of the customer
 Customers ordering vehicles of the public roads do so entirely on their own responsibility
 All materials are produced in accordance with WRAP protocol.

TP-24

MATERIALS CONVEYANCE NOTE AND DAY WORK TICKET ONLY TICKET No. 26050

TOULOUSE PLANT HIRE LTD.

HAULAGE & PLANT HIRE

UNIT 2A ALBION ROAD, DARTFORD, KENT DA1 5PZ
 TEL: 020 8305 9641 / 020 8692 3879 / 01322 277 814

Non TPH Haulier Name Applicable		Name of Person in Charge of Vehicle	
Registered No. of Vehicle	Date and Time of Leaving Place of Loading		
Customer	Hours	Travel	
Day Work & Site	AGGREGATE IS PRODUCED TO TOULOUSE PLANT HIRE, ALBION ROAD FACILITY SCHEME, MEETING THE WRAP PROTOCOL FOR THE PRODUCTION OF AGGREGATES FROM INERT WASTE.		
Vehicle Gross Weight			
Tare Weight			
Net Weight			
Delivery Site			
Loaded at	TPH Albion Rd DA1 5PZ	Other	
10mm	20mm	40mm	75mm
Other	Type 1	6F2/5	R/Sand
			S/Sand
Certified that the above particulars are true and relate to the material is being conveyed in pursuance of a sale there of made by weight or volume			
Signed for on Behalf of Haulier	Signature	Name	Date
Signed for on Behalf of the Customer	Signature	Name	Date

Customers ordering vehicles off the public road do so on their own responsibility
 Materials supplied remain the property of Toulouse Plant & Hire Ltd until paid for

IF IN DOUBT ASK. OBEY ALL SITE RULES ON PPE ETC. AT ALL TIMES

TP-11



Blockade Services
 Moorhouse Park Westerham Road
 TN16 2EU Westerham
 01342 893806

WEIGHT TICKET
459/2024
External receipt

License plate no. GN71 ZJK
 PRODUCT: CONTRACTORS MIX
 CUSTOMER: TOULOUSE

HAULIER: TOULOUSE
 SITE REFERENCE: ---
 COLLECTION NO:
 REMARKS:

Weighing 1 **13240 kg** 25/01/2024 09:44 Alibi no. **54410**
 Weighing 2 **28900 kg** 25/01/2024 09:50 Alibi no. **54411**
 Net **15660 kg**
 Net to be calculated **15660 kg**

[Handwritten Signature]

Scale attendant signature

Driver signature

Weighed by: Weighbridge Operator

Printed on: 25/01/2024 09:50:21

Information on weight value is included in weight indication register

Section 34 Environmental Protection Act 1990 you are obliged to retain this note for two years.

I confirm that i have fulfilled my duty to apply the Waste Hierarchy as required by Regulation 12 of the Waste (England

TOULOUSE PLANT HIRE LTD.

HAULAGE & PLANT HIRE

UNIT 2A ALBION ROAD, DARTFORD, KENT DA1 5PZ
 TEL: 020 8305 9641 / 020 8692 3879 / 01322 277 814

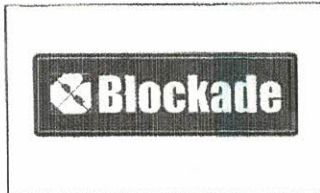
Non TPH Haulier Name Applicable

Registered No. of Vehicle	Name of Person in Charge of Vehicle	
Customer	Date and Time of Leaving Place of Loading	
Day Work & Site	Hours	Travel
Vehicle Gross Weight	AGGREGATE IS PRODUCED TO TOULOUSE PLANT HIRE, ALBION ROAD FACILITY SCHEME, MEETING THE WRAP PROTOCOL FOR THE PRODUCTION OF AGGREGATES FROM INERT WASTE.	
Tare Weight		
Net Weight		
Delivery Site		
Loaded at	TPH Albion Rd DA1 5PZ	Other
10mm	20mm	40mm
	75mm	Type 1
		6F2/5
		R/Sand
		S/Sand
Other		
Certified that the above particulars are true and relate to the material being conveyed in pursuance of a sale there of made by weight or volume		
Signed for on Behalf of Haulier	Signature	Name
		Date
Signed for on Behalf of the Customer	Signature	Name
		Date

Customers ordering vehicles off the public road do so on their own responsibility
 Materials supplied remain the property of Toulouse Plant & Hire Ltd. until paid for

IF IN DOUBT ASK. OBEY ALL SITE RULES ON PPE ETC. AT ALL TIMES

TP-11



Blockade Services
 Moorhouse Park Westerham Road
 TN16 2EU Westerham
 01342 893806

WEIGHT TICKET
452/2024
External receipt

License plate no. GN71 ZJK
 PRODUCT: CONTRACTORS MIX
 CUSTOMER: TOULOUSE

HAULIER: TOULOUSE
 SITE REFERENCE: ---
 COLLECTION NO:
 REMARKS:

Weighing 1 **13100 kg** 25/01/2024 08:11 Alibi no. **54402**
 Weighing 2 **29200 kg** 25/01/2024 08:17 Alibi no. **54403**
 Net **16100 kg**
 Net to be calculated **16100 kg**

Scale attendant signature

Driver signature

Weighed by: Weighbridge Operator

Printed on: 25/01/2024 08:17:40

Information on weight value is included in weight indication register

Section 34 Environmental Protection Act 1990 you are obliged to retain this note for two years.

I confirm that i have fulfilled my duty to apply the Waste Hierarchy as required by Regulation 12 of the Waste (England

CONVEYANCE NOTE (FORM A) 10775
(VOLUME)

Weights and Measures Act, 1963
Schedule 5, Para 7

TOULOUSE PLANT HIRE LTD.
HAULAGE & PLANT HIRE

55-71 NORMAN ROAD, GREENWICH, LONDON SE10 9QF

TEL: 020-8305 9641 / 020-8692 3879

NB to Customers

This is in your interest - Please read this ticket fully, and inspect material, agreeing quantity, quality and that every thing is to your satisfaction, before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site, and a clear signature has been given.

LOADED AT: Westerham Date and Time of Loading: 12-01-24

Deliver to M Skidmore
at 15, Westerham

Registered No of Vehicle: GL19 FWN Sample of Person in Charge of Vehicle: John

CUMTR	DESCRIPTION OF MATERIAL
1	1.58 WITHEER
2	7/soil
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Received by: [Signature] Date: 12/01/24
Certified that the above particulars are true and relate to the sand or ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of a sale or an agreement for the sale thereof made by volume.

Signed for and on behalf of the customer: [Signature]
Customers ordering vehicles off the public roads do so entirely on their own responsibility. All materials are produced in accordance with WRAP protocol.

TP-04



Blockade Services
Moorhouse Park Westerham Road
TN16 2EU Westerham
01342 893806

WEIGHT TICKET
201/2024
External receipt

License plate no. **GL19FWN**
PRODUCT: **CONTRACTORS MIX**
CUSTOMER: **TOULOUSE**

HAULIER: **TOULOUSE**
SITE REFERENCE: **---**
COLLECTION NO:
REMARKS:

Weighing 1 **13020 kg** 12/01/2024 13:28 Alibi no. **54235**
Weighing 2 **27900 kg** 12/01/2024 13:34 Alibi no. **54236**
Net **14880 kg**
Net to be calculated **14880 kg**

[Signature]
Scale attendant signature

[Signature]
Driver signature

Weighed by: **Weighbridge Operator**

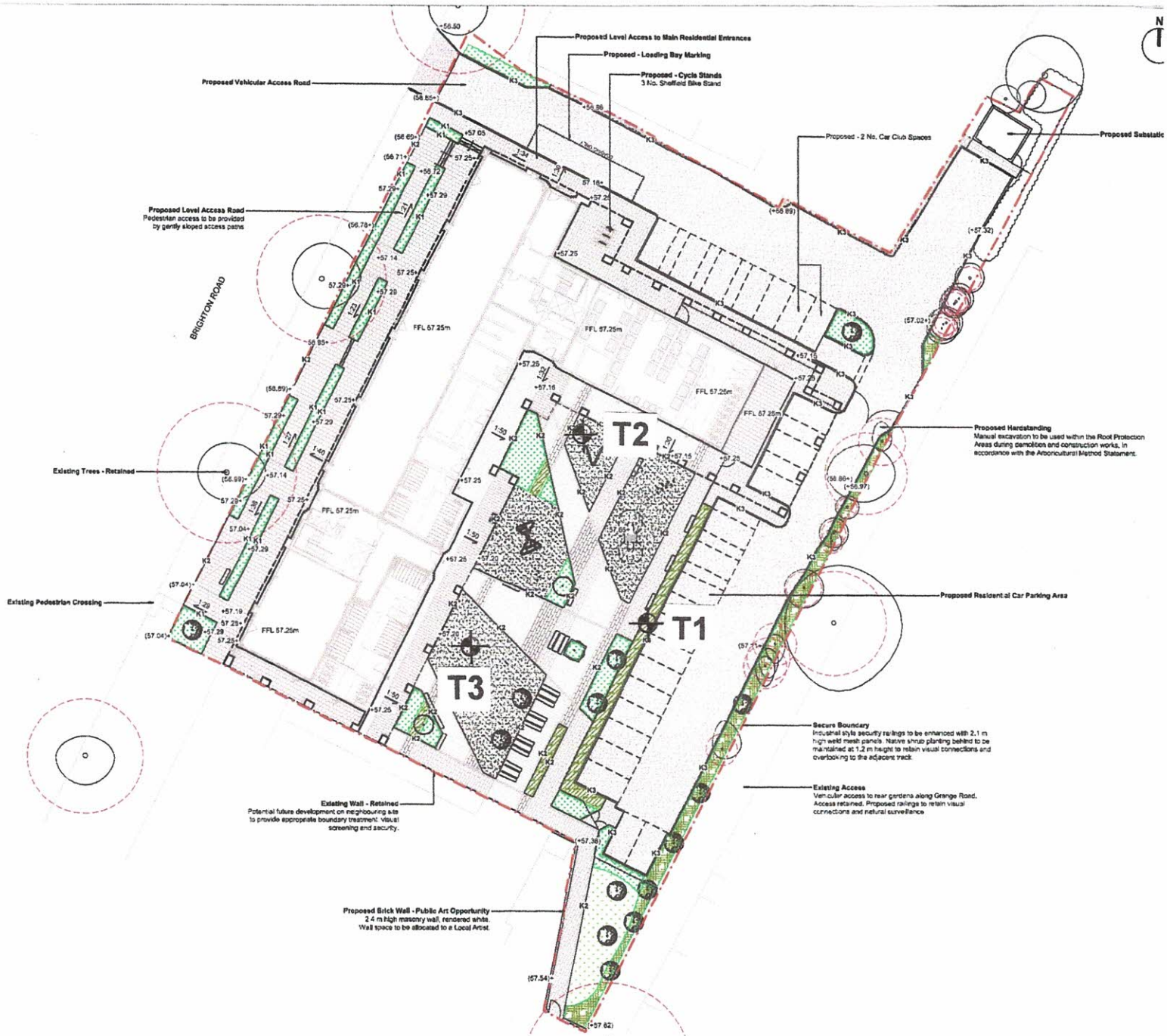
Printed on: 12/01/2024 13:34:27

Information on weight value is included in weight indication register

Section 34 Environmental Protection Act 1990 you are obliged to retain this note for two years.

I confirm that i have fulfilled my duty to apply the Waste Hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

By signing this weighbridge ticket you are agreeing to comply with our site rules



443a Brighton Road, Croydon.

Plan showing locations of topsoil sampling points.



Ron Carr
R Carr Geotechnical Services
9 The Mallows
Maidstone
Kent
ME14 2PX

Derwentside Environmental Testing Services Ltd
Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME17 2JN
t: 01622 850410

DETS Report No: 24-02087

Site Reference: Brighton Road, Crowdon
Project / Job Ref: 4128
Order No: 4128
Sample Receipt Date: 28/02/2024
Sample Scheduled Date: 28/02/2024
Report Issue Number: 1
Reporting Date: 05/03/2024

Authorised by:


Steve Knight
Customer Support Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410



Soil Analysis Certificate					
DETS Report No: 24-02087	Date Sampled	26/02/24	26/02/24	26/02/24	
R Carr Geotechnical Services	Time Sampled	None Supplied	None Supplied	None Supplied	
Site Reference: Brighton Road, Croydon	TP / BH No	T1	T2	T3	
Project / Job Ref: 4128	Additional Refs	None Supplied	None Supplied	None Supplied	
Order No: 4128	Depth (m)	None Supplied	None Supplied	None Supplied	
Reporting Date: 05/03/2024	DETS Sample No	701430	701431	701432	

Determinand	Unit	RL	Accreditation				
Asbestos Screen ^(S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected	
pH	pH Units	N/a	MCERTS	6.5	6.4	6.6	
Total Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	
Total Sulphate as SO ₄	mg/kg	< 200	MCERTS	293	365	315	
Total Sulphate as SO ₄	%	< 0.02	MCERTS	0.03	0.04	0.03	
Sulphide	mg/kg	< 5	NONE	6	9	8	
Organic Matter (SOM)	%	< 0.1	MCERTS	3.7	5.3	5.6	
TOC (Total Organic Carbon)	%	< 0.1	MCERTS	5.5	3.1	3.2	
Arsenic (As)	mg/kg	< 2	MCERTS	7	5	8	
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2	< 0.2	
Chromium (Cr)	mg/kg	< 2	MCERTS	12	12	12	
Copper (Cu)	mg/kg	< 4	MCERTS	13	10	14	
Lead (Pb)	mg/kg	< 3	MCERTS	24	16	27	
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	
Nickel (Ni)	mg/kg	< 3	MCERTS	10	11	9	
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	
Zinc (Zn)	mg/kg	< 3	MCERTS	54	40	52	
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	
TPH (EPH EC10-EC40)	mg/kg	< 6	MCERTS	17	13	26	

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
 Subcontracted analysis (S)



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410



Soil Analysis Certificate - Speciated PAHs					
DETS Report No: 24-02087	Date Sampled	26/02/24	26/02/24	26/02/24	
R Carr Geotechnical Services	Time Sampled	None Supplied	None Supplied	None Supplied	
Site Reference: Brighton Road, Croydon	TP / BH No	T1	T2	T3	
Project / Job Ref: 4128	Additional Refs	None Supplied	None Supplied	None Supplied	
Order No: 4128	Depth (m)	None Supplied	None Supplied	None Supplied	
Reporting Date: 05/03/2024	DETS Sample No	701430	701431	701432	

Determinand	Unit	RL	Accreditation				
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.27	< 0.1	
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.25	< 0.1	
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.13	< 0.1	
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	0.18	< 0.1	
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.17	< 0.1	
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.14	< 0.1	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	< 1.6	



DETS Ltd
 Unit 1, Rose Lane Industrial Estate
 Rose Lane
 Lenham Heath
 Maidstone
 Kent ME17 2JN
 Tel : 01622 850410



Soil Analysis Certificate - TPH CWG Banded						
DETS Report No: 24-02087	Date Sampled	26/02/24	26/02/24	26/02/24		
R Carr Geotechnical Services	Time Sampled	None Supplied	None Supplied	None Supplied		
Site Reference: Brighton Road, Croydon	TP / BH No	T1	T2	T3		
Project / Job Ref: 4128	Additional Refs	None Supplied	None Supplied	None Supplied		
Order No: 4128	Depth (m)	None Supplied	None Supplied	None Supplied		
Reporting Date: 05/03/2024	DETS Sample No	701430	701431	701432		

Determinand	Unit	RL	Accreditation				
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21
Total >C5 - C35	mg/kg	< 42	NONE	< 42	< 42	< 42	< 42



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410



Soil Analysis Certificate - BTEX / MTBE					
DETS Report No: 24-02087	Date Sampled	26/02/24	26/02/24	26/02/24	
R Carr Geotechnical Services	Time Sampled	None Supplied	None Supplied	None Supplied	
Site Reference: Brighton Road, Croydon	TP / BH No	T1	T2	T3	
Project / Job Ref: 4128	Additional Refs	None Supplied	None Supplied	None Supplied	
Order No: 4128	Depth (m)	None Supplied	None Supplied	None Supplied	
Reporting Date: 05/03/2024	DETS Sample No	701430	701431	701432	

Determinand	Unit	RL	Accreditation				
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	
MTBE	ug/kg	< 5	MCERTS	< 5	< 5	< 5	



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410



Soil Analysis Certificate - Sample Descriptions

DETS Report No: 24-02087	
R Carr Geotechnical Services	
Site Reference: Brighton Road, Croydon	
Project / Job Ref: 4128	
Order No: 4128	
Reporting Date: 05/03/2024	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
701430	T1	None Supplied	None Supplied	16.7	Brown loamy sand with vegetation
701431	T2	None Supplied	None Supplied	16	Brown loamy sand with vegetation
701432	T3	None Supplied	None Supplied	15.4	Brown loamy sand with vegetation

Moisture content is part of procedure E003 & is not an accredited test

Insufficient Sample ^{1/5}

Unsuitable Sample ^{U/5}



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410



Soil Analysis Certificate - Methodology & Miscellaneous Information	
DETS Report No: 24-02087	
R Carr Geotechnical Services	
Site Reference: Brighton Road, Croydon	
Project / Job Ref: 4128	
Order No: 4128	
Reporting Date: 05/03/2024	

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received

Appendix D
Potable Water Services

