

Legend

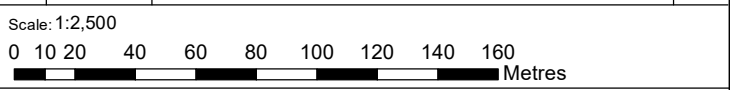
Location Type

- Cable Percussion Borehole
- Inspection Pit
- Rotary Cored Borehole
- Inspection Pit with CPT follow-on
- Sonic Core Drilled Borehole
- Sonic Core Drilled Borehole with Rotary follow-on
- Trial Pit

Name

- Existing Infrastructure
- GtS
- SIF
- Route Structures
- Historic Landfill Sites
- Crossings

Rev.	Date	Description	Initials
0	18/03/2022	Draft Issue	BAM
1	29/04/2022	Draft Issue	BAM
2	05/09/2022	Draft Issue	BAM



Coordinate System
British National Grid

<p>Client</p> <p>EniProgetti S.p.A Eni House, Basing View Basingstoke, RG21 4YY https://www.eni.com/</p>		<p>Consultant</p> <p>Fugro GeoServices Limited Fugro House, Hithercroft Road, Wallingford Oxfordshire, OX10 9RB, United Kingdom Registered in England No. 1284352 VAT No. GB 133 1704 09 www.fugro.com</p>	
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Project Title

LBA CCS Transport and Storage Project Ground Investigations

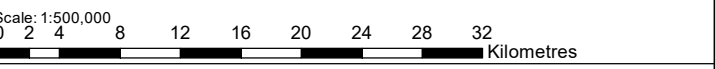
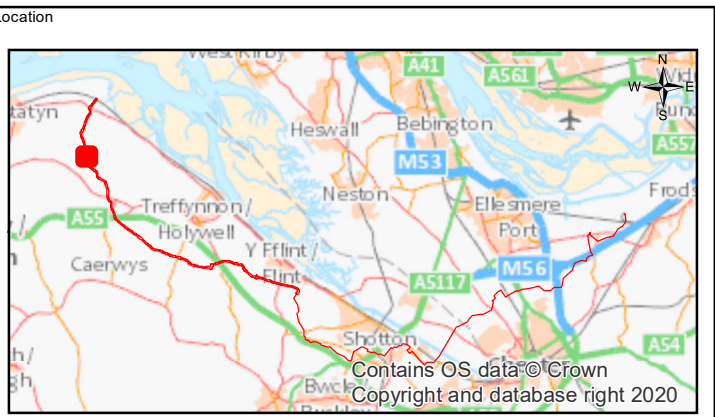
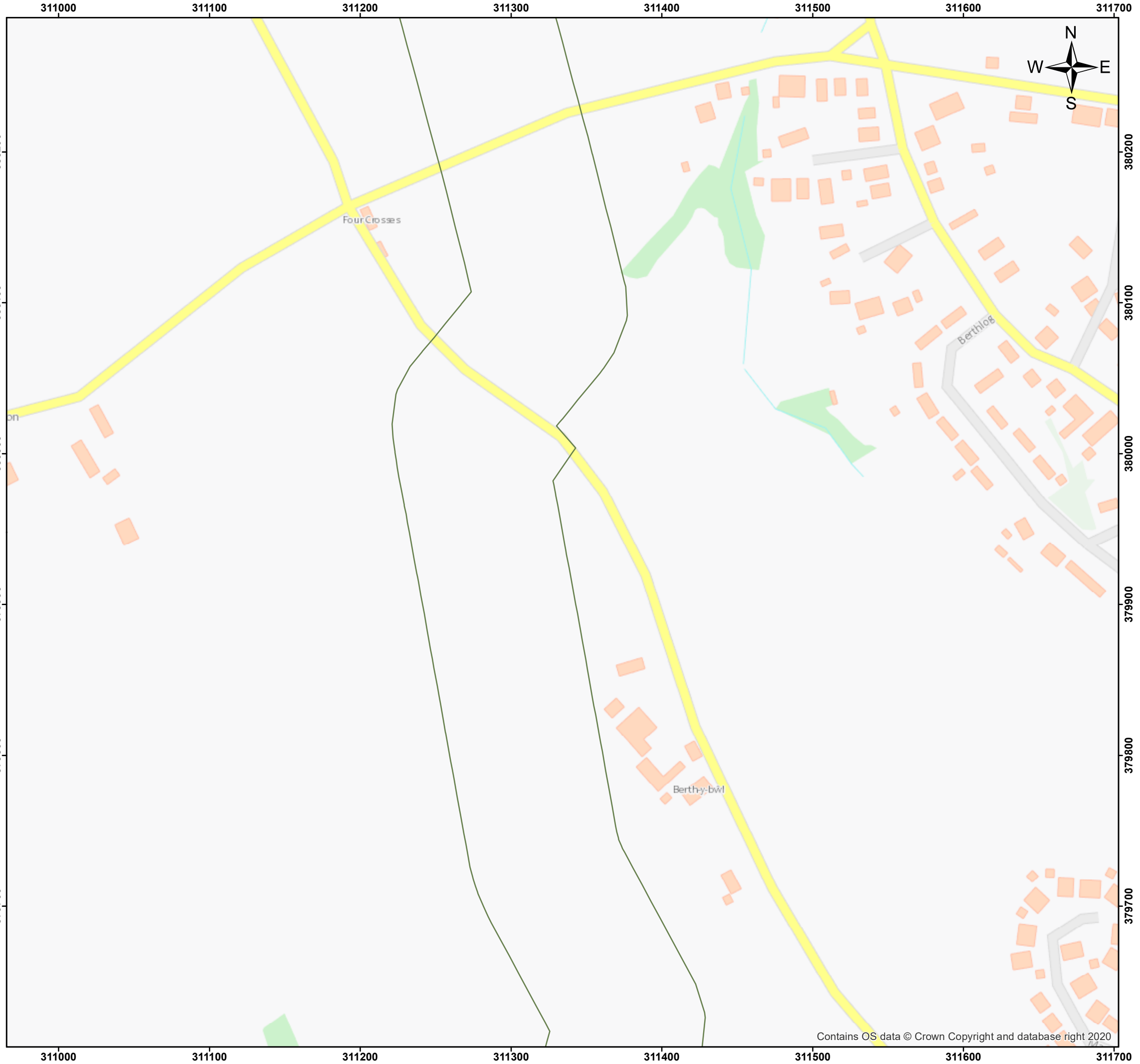
Figure Title

Exploratory Hole Location Plan

Figure Number

Section 8.08

Drawn By	Checked By	Issued On	Project No.	Sheet Size	Rev.
BAM	SDW	18/03/2022	F190089	A3	3



Legend

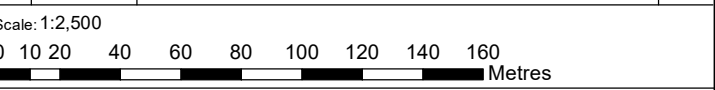
Location Type

- Cable Percussion Borehole
- Inspection Pit
- Rotary Cored Borehole
- Inspection Pit with CPT follow-on
- Sonic Core Drilled Borehole
- Sonic Core Drilled Borehole with Rotary follow-on
- Trial Pit

Name

- Existing Infrastructure
- GtS
- SIF
- Route Structures
- Historic Landfill Sites
- Crossings

Rev.	Date	Description	Initials
0	18/03/2022	Draft Issue	BAM
1	29/04/2022	Draft Issue	BAM
2	05/09/2022	Draft Issue	BAM



Coordinate System
British National Grid

<p>Client</p> <p>EniProgetti S.p.A Eni House, Basing View Basingstoke, RG21 4YY https://www.eni.com/</p>		<p>Consultant</p> <p>Fugro GeoServices Limited Fugro House, Hithercroft Road, Wallingford Oxfordshire, OX10 9RB, United Kingdom Registered in England No. 1284352 VAT No. GB 133 1704 09 www.fugro.com</p>	
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Project Title

LBA CCS Transport and Storage Project Ground Investigations

Figure Title

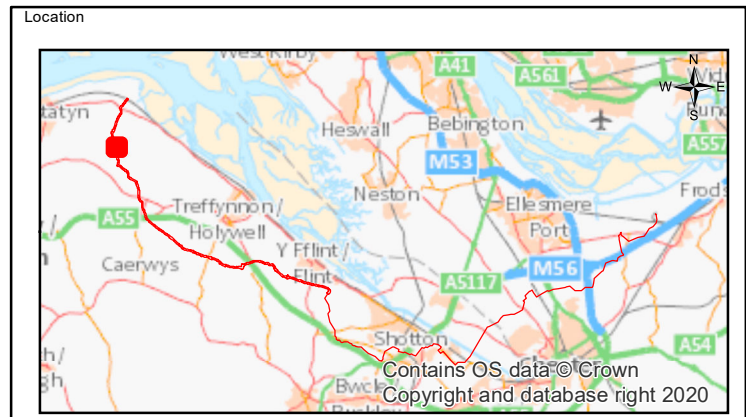
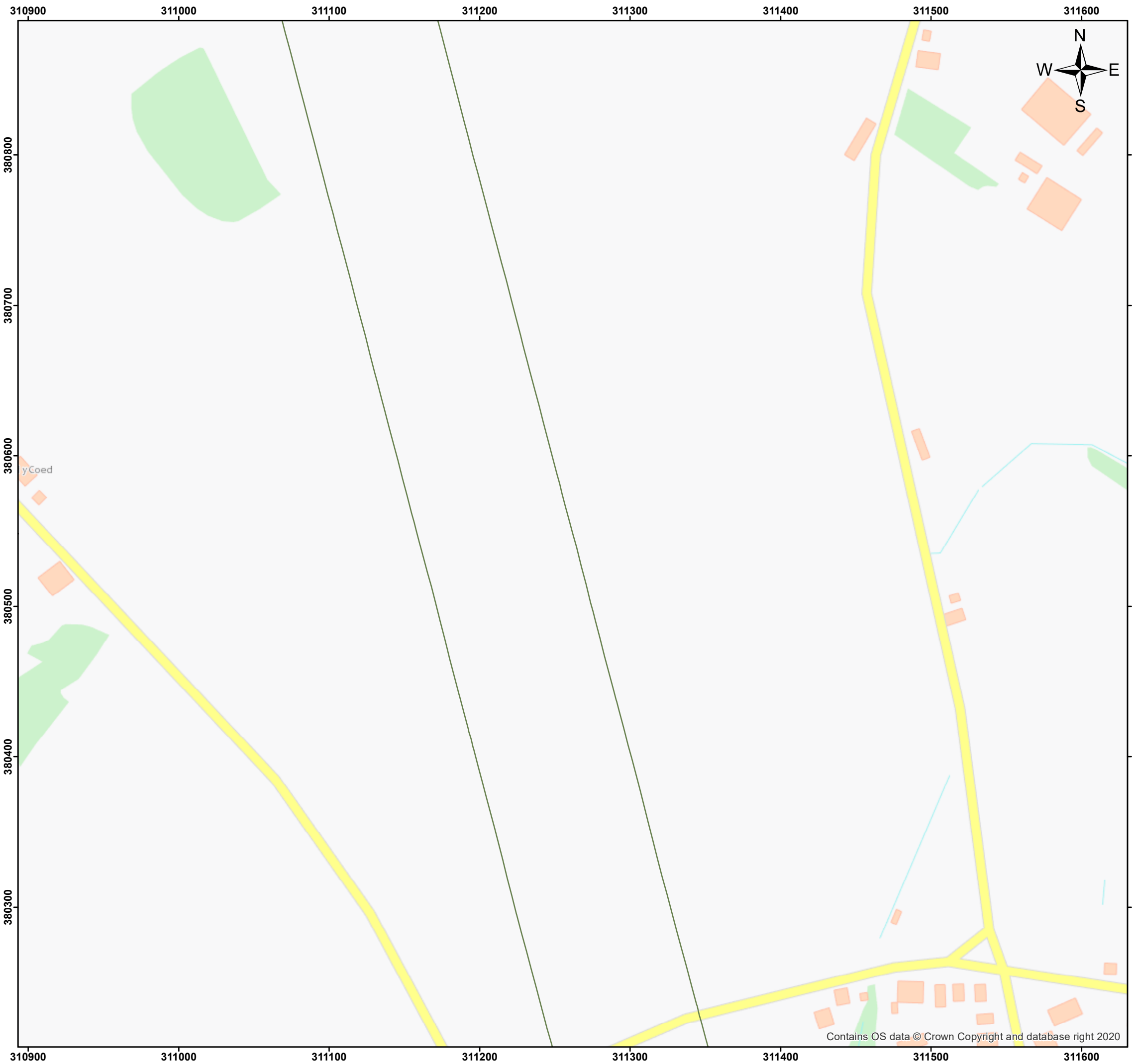
Exploratory Hole Location Plan

Figure Number

Section 8.09

Drawn By	Checked By	Issued On	Project No.	Sheet Size	Rev.
BAM	SDW	18/03/2022	F190089	A3	3

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Legend

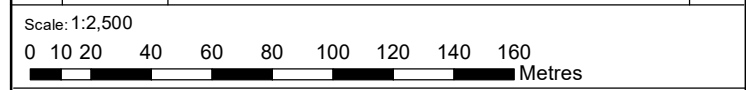
Location Type

- Cable Percussion Borehole
- Inspection Pit
- Rotary Cored Borehole
- Inspection Pit with CPT follow-on
- Sonic Core Drilled Borehole
- Sonic Core Drilled Borehole with Rotary follow-on
- Trial Pit

Name

- Existing Infrastructure
- GtS
- SIF
- Route Structures
- Historic Landfill Sites
- Crossings

Rev.	Date	Description	Initials
0	18/03/2022	Draft Issue	BAM
1	29/04/2022	Draft Issue	BAM
2	05/09/2022	Draft Issue	BAM



Coordinate System
British National Grid

<p>Client</p> <p>EniProgetti S.p.A Eni House, Basing View Basingstoke, RG21 4YY https://www.eni.com/</p>		<p>Consultant</p> <p>Fugro GeoServices Limited Fugro House, Hithercroft Road, Wallingford Oxfordshire, OX10 9RB, United Kingdom Registered in England No. 1284352 VAT No. GB 133 1704 09 www.fugro.com</p>	
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Project Title

LBA CCS Transport and Storage Project Ground Investigations

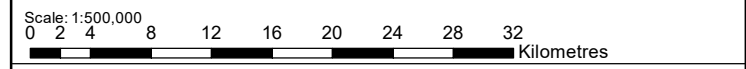
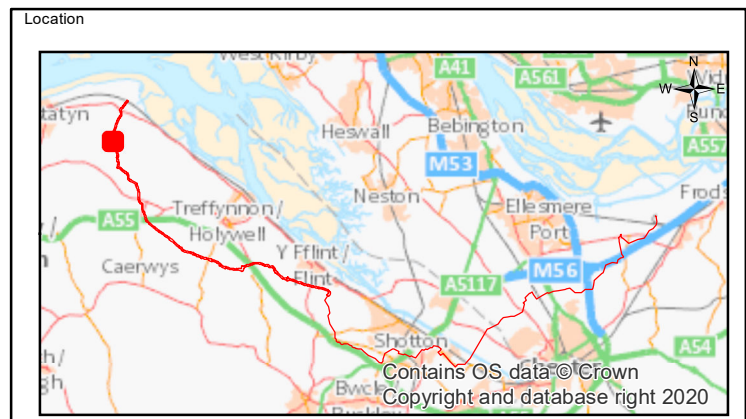
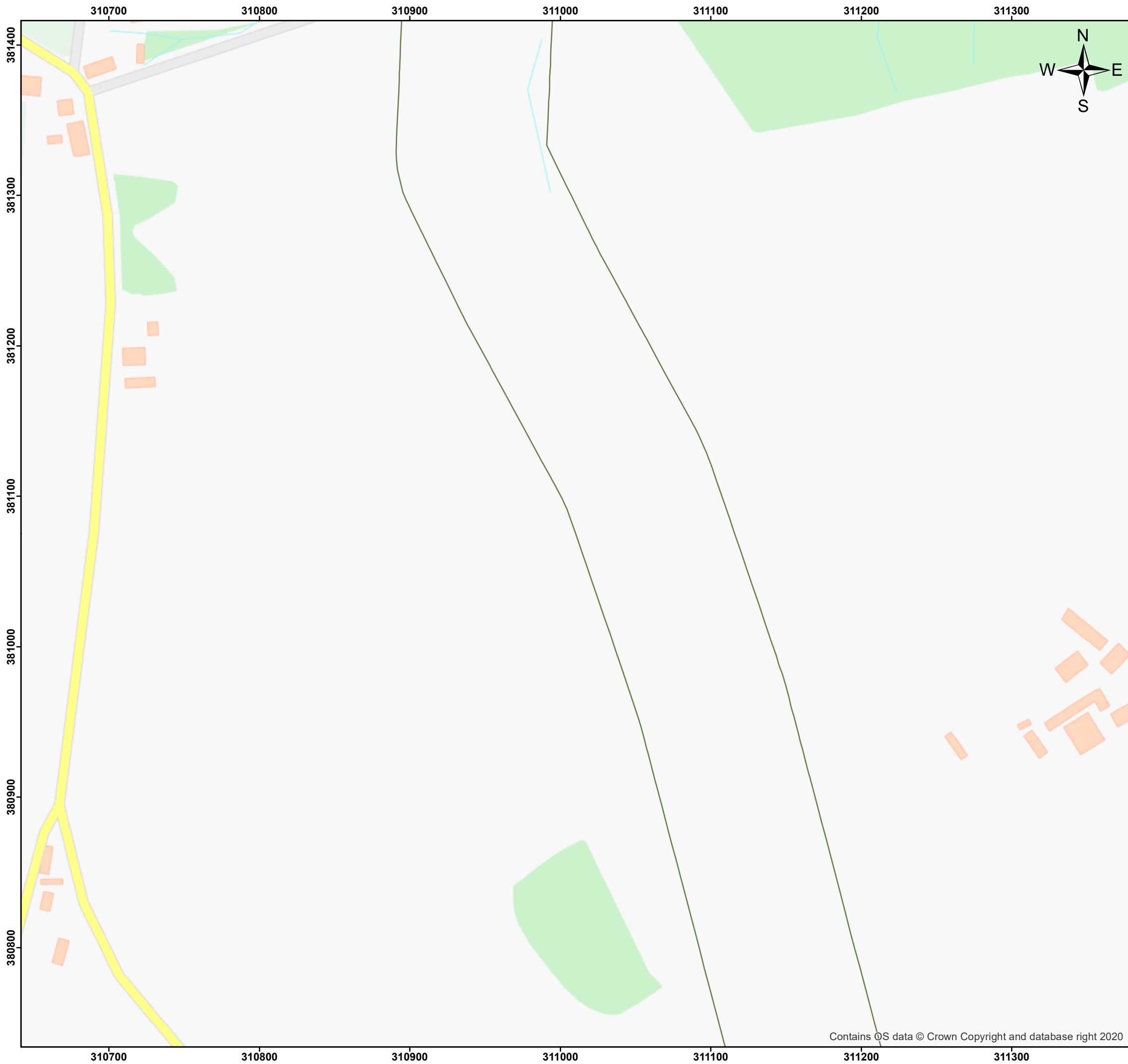
Figure Title

Exploratory Hole Location Plan

Figure Number

Section 8.10

Drawn By	Checked By	Issued On	Project No.	Sheet Size	Rev.
BAM	SDW	18/03/2022	F190089	A3	3



Legend

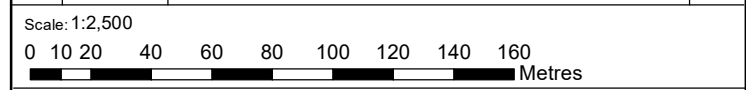
Location Type

- Cable Percussion Borehole
- Inspection Pit
- Rotary Cored Borehole
- Inspection Pit with CPT follow-on
- Sonic Core Drilled Borehole
- Sonic Core Drilled Borehole with Rotary follow-on
- Trial Pit

Name

- Existing Infrastructure
- GtS
- SIF
- Route Structures
- Historic Landfill Sites
- Crossings

Rev.	Date	Description	Initials
0	18/03/2022	Draft Issue	BAM
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2	05/09/2022	Draft Issue	BAM



Coordinate System
British National Grid

<p>Client</p> <p>EniProgetti S.p.A Eni House, Basing View Basingstoke, RG21 4YY https://www.eni.com/</p>		<p>Consultant</p> <p>Fugro GeoServices Limited Fugro House, Hithercroft Road, Wallingford Oxfordshire, OX10 9RB, United Kingdom Registered in England No. 1284352 VAT No. GB 133 1704 09 www.fugro.com</p>	
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Project Title

LBA CCS Transport and Storage Project Ground Investigations

Figure Title

Exploratory Hole Location Plan

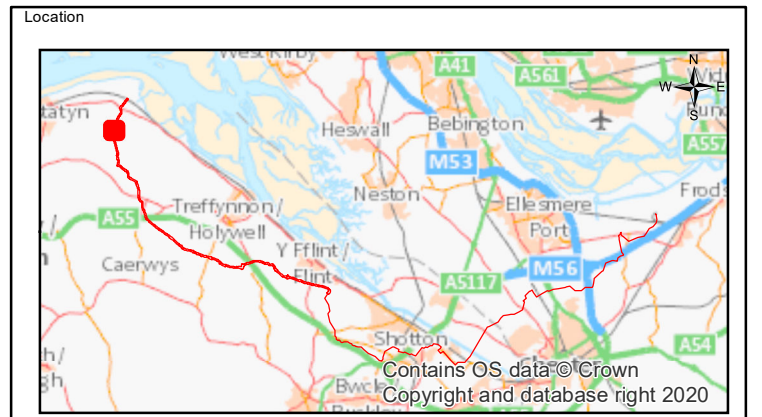
Figure Number

Section 8.11

Drawn By BAM	Checked By SDW	Issued On 18/03/2022	Project No. F190089	Sheet Size A3	Rev. 3
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Legend

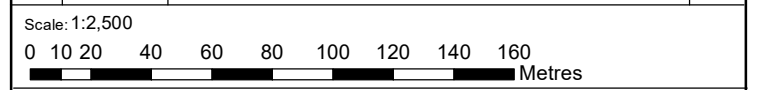
Location Type

- Cable Percussion Borehole
- Inspection Pit
- Rotary Cored Borehole
- Inspection Pit with CPT follow-on
- Sonic Core Drilled Borehole
- Sonic Core Drilled Borehole with Rotary follow-on
- Trial Pit

Name

- Existing Infrastructure
- GtS
- SIF
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- Historic Landfill Sites
- Crossings

Rev.	Date	Description	Initials
0	18/03/2022	Draft Issue	BAM
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Coordinate System
British National Grid

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Project Title

LBA CCS Transport and Storage Project Ground Investigations

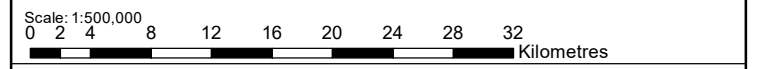
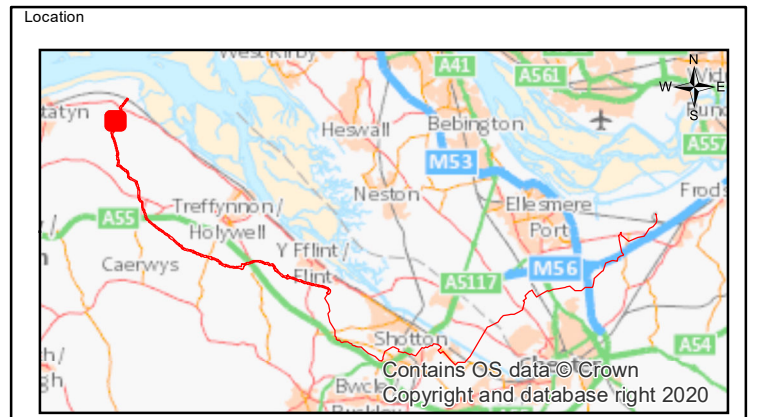
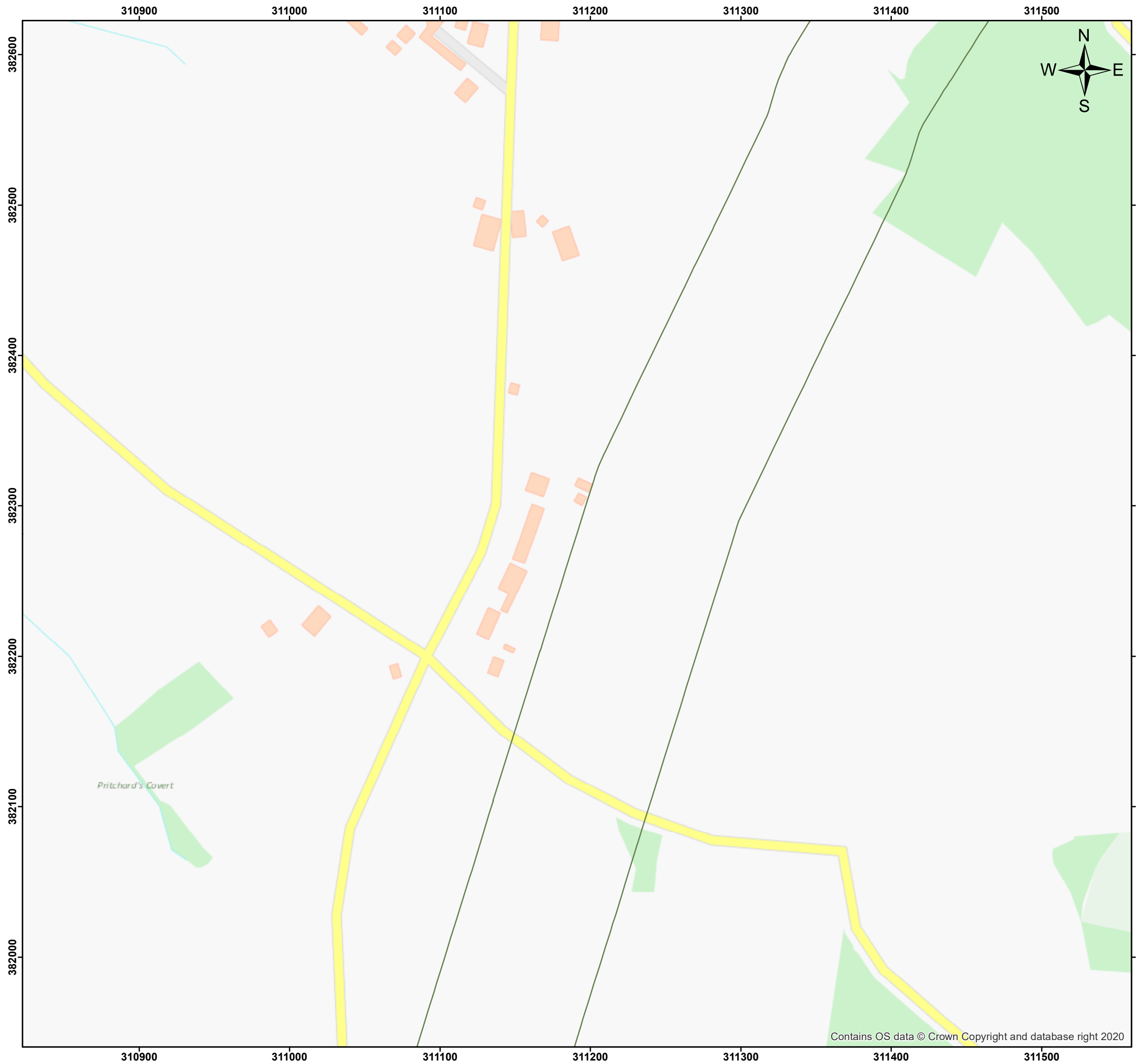
Figure Title

Exploratory Hole Location Plan

Figure Number

Section 8.12

Drawn By BAM	Checked By SDW	Issued On 18/03/2022	Project No. F190089	Sheet Size A3	Rev. 3
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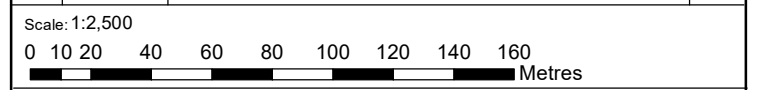
Location Type

- Cable Percussion Borehole
- Inspection Pit
- Rotary Cored Borehole
- Inspection Pit with CPT follow-on
- Sonic Core Drilled Borehole
- Sonic Core Drilled Borehole with Rotary follow-on
- Trial Pit

Name

- Existing Infrastructure
- GtS
- SIF
- Route Structures
- Historic Landfill Sites
- Crossings

Rev.	Date	Description	Initials
0	18/03/2022	Draft Issue	BAM
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Coordinate System
British National Grid

<p>Client</p> <p>EniProgetti S.p.A Eni House, Basing View Basingstoke, RG21 4YY https://www.eni.com/</p>		<p>Consultant</p> <p>Fugro GeoServices Limited Fugro House, Hithercroft Road, Wallingford Oxfordshire, OX10 9RB, United Kingdom Registered in England No. 1284352 VAT No. GB 133 1704 09 www.fugro.com</p>	
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Project Title

LBA CCS Transport and Storage Project Ground Investigations

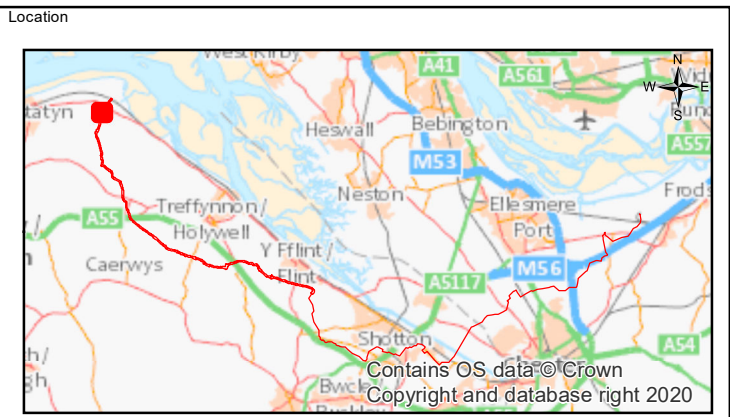
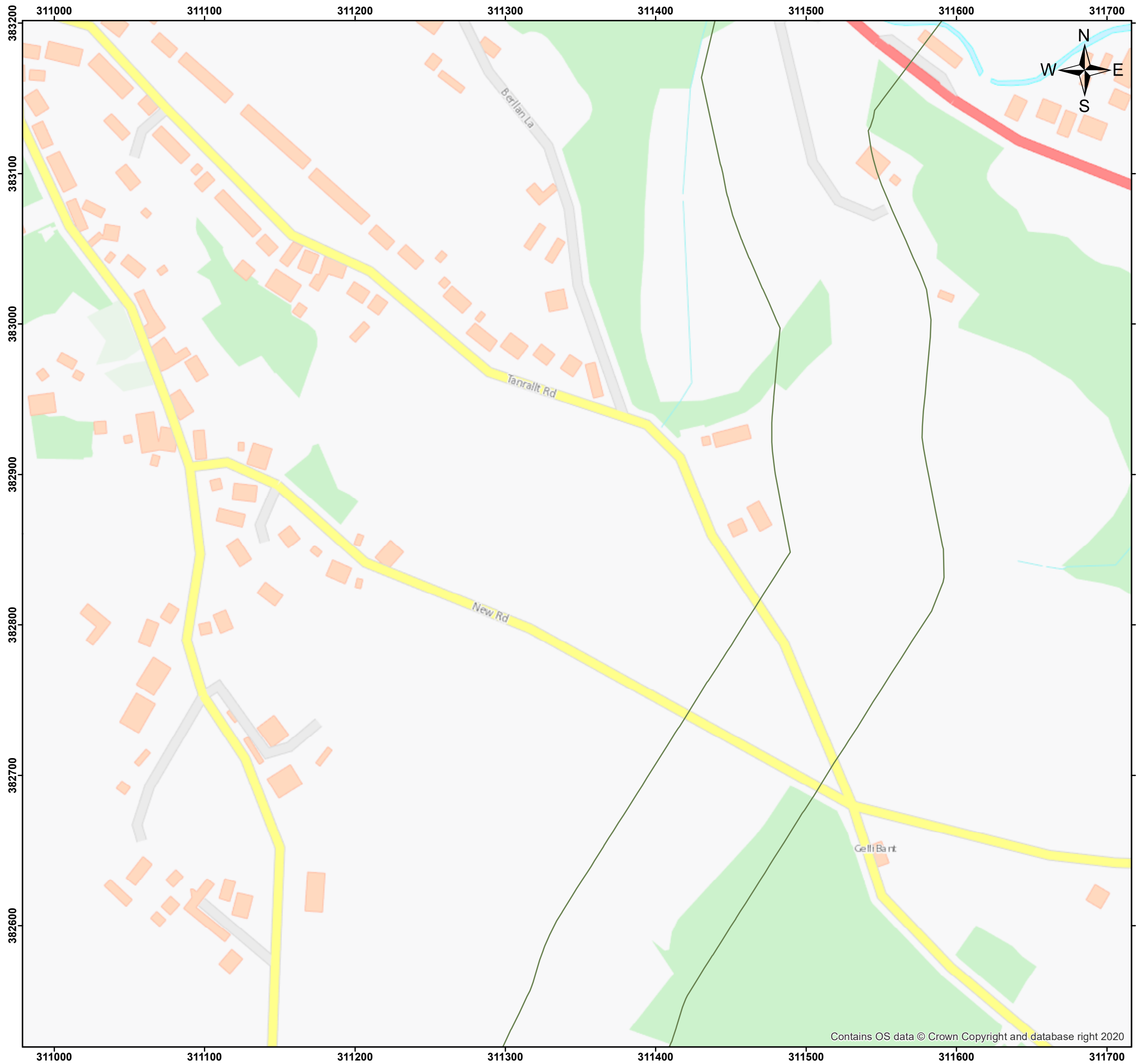
Figure Title

Exploratory Hole Location Plan

Figure Number

Section 8.13

Drawn By BAM	Checked By SDW	Issued On 18/03/2022	Project No. F190089	Sheet Size A3	Rev. 3
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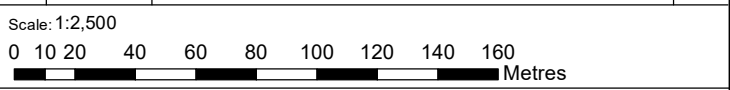
Location Type

- Cable Percussion Borehole
- Inspection Pit
- Rotary Cored Borehole
- Inspection Pit with CPT follow-on
- Sonic Core Drilled Borehole
- Sonic Core Drilled Borehole with Rotary follow-on
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Name

- Existing Infrastructure
- GtS
- SIF
- Route Structures
- Historic Landfill Sites
- Crossings

Rev.	Date	Description	Initials
0	18/03/2022	Draft Issue	BAM
1	29/04/2022	Draft Issue	BAM
2	05/09/2022	Draft Issue	BAM



Coordinate System
British National Grid

<p>Client</p> <p>EniProgetti S.p.A Eni House, Basing View Basingstoke, RG21 4YY https://www.eni.com/</p>		<p>Consultant</p> <p>Fugro GeoServices Limited Fugro House, Hithercroft Road, Wallingford Oxfordshire, OX10 9RB, United Kingdom Registered in England No. 1284352 VAT No. GB 133 1704 09 www.fugro.com</p>	
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Project Title

LBA CCS Transport and Storage Project Ground Investigations

Figure Title

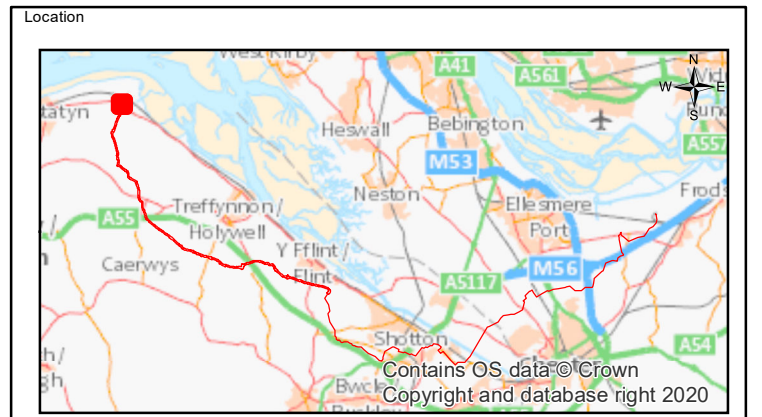
Exploratory Hole Location Plan

Figure Number

Section 8.14

Drawn By BAM	Checked By SDW	Issued On 18/03/2022	Project No. F190089	Sheet Size A3	Rev. 3
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Legend

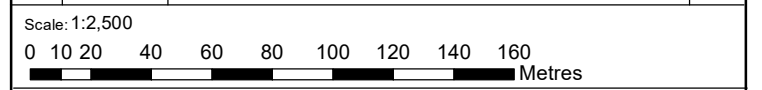
Location Type

- Cable Percussion Borehole
- Inspection Pit
- Rotary Cored Borehole
- Inspection Pit with CPT follow-on
- Sonic Core Drilled Borehole
- Sonic Core Drilled Borehole with Rotary follow-on
- Trial Pit

Name

- Existing Infrastructure
- GiS
- SIF
- Route Structures
- Historic Landfill Sites
- Crossings

Rev.	Date	Description	Initials
0	18/03/2022	Draft Issue	BAM
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2	05/09/2022	Draft Issue	BAM



Coordinate System
British National Grid

<p>Client</p> <p>EniProgetti S.p.A Eni House, Basing View Basingstoke, RG21 4YY https://www.eni.com/</p>		<p>Consultant</p> <p>Fugro GeoServices Limited Fugro House, Hithercroft Road, Wallingford Oxfordshire, OX10 9RB, United Kingdom Registered in England No. 1284352 VAT No. GB 133 1704 09 www.fugro.com</p> 
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Project Title

LBA CCS Transport and Storage Project Ground Investigations

Figure Title

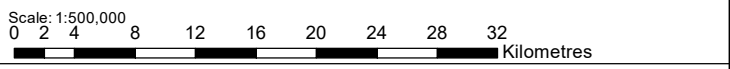
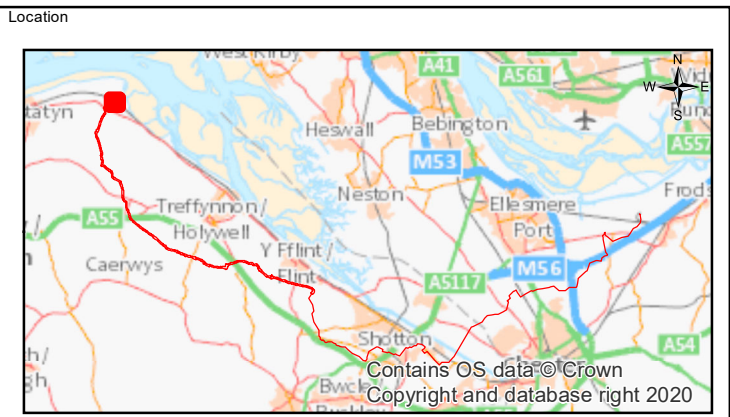
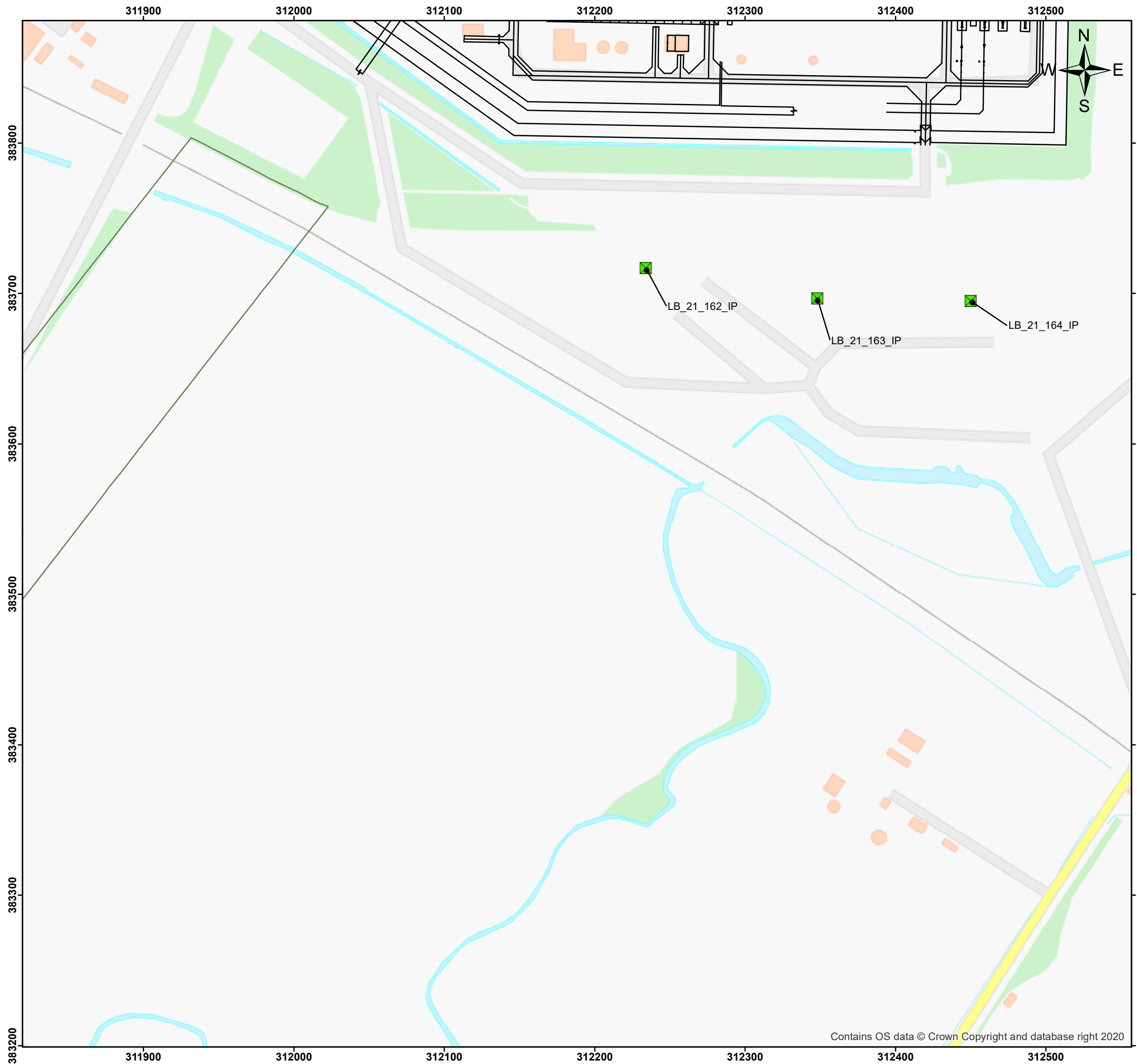
Exploratory Hole Location Plan

Figure Number

Section 8.15

Drawn By BAM	Checked By SDW	Issued On 18/03/2022	Project No. F190089	Sheet Size A3	Rev. 3
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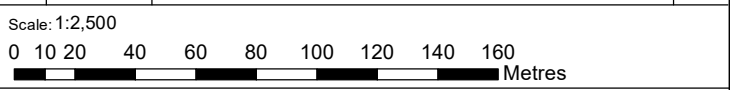
Location Type

- Cable Percussion Borehole
- Inspection Pit
- Rotary Cored Borehole
- Inspection Pit with CPT follow-on
- Sonic Core Drilled Borehole
- Sonic Core Drilled Borehole with Rotary follow-on
- Trial Pit

Name

- Existing Infrastructure
- GtS
- SIF
- Route Structures
- Historic Landfill Sites
- Crossings

Rev.	Date	Description	Initials
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Coordinate System
British National Grid

<p>Client EniProgetti S.p.A Eni House, Basing View Basingstoke, RG21 4YY https://www.eni.com/</p>		<p>Consultant Fugro GeoServices Limited Fugro House, Hithercroft Road, Wallingford Oxfordshire, OX10 9RB, United Kingdom Registered in England No. 1284352 VAT No. GB 133 1704 09 www.fugro.com</p>	
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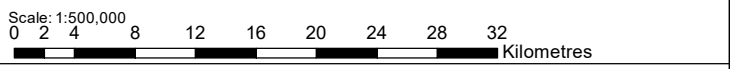
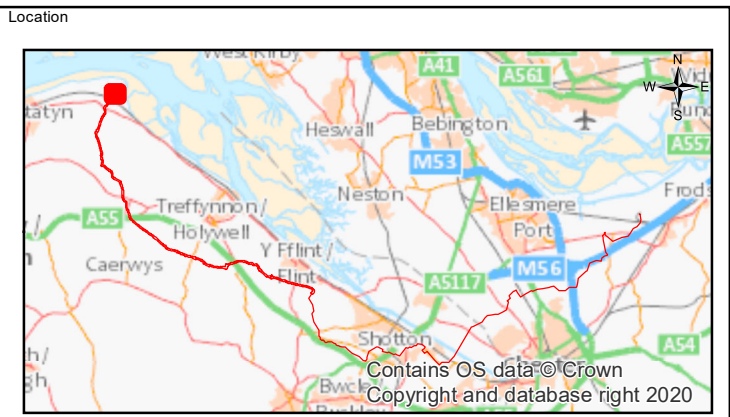
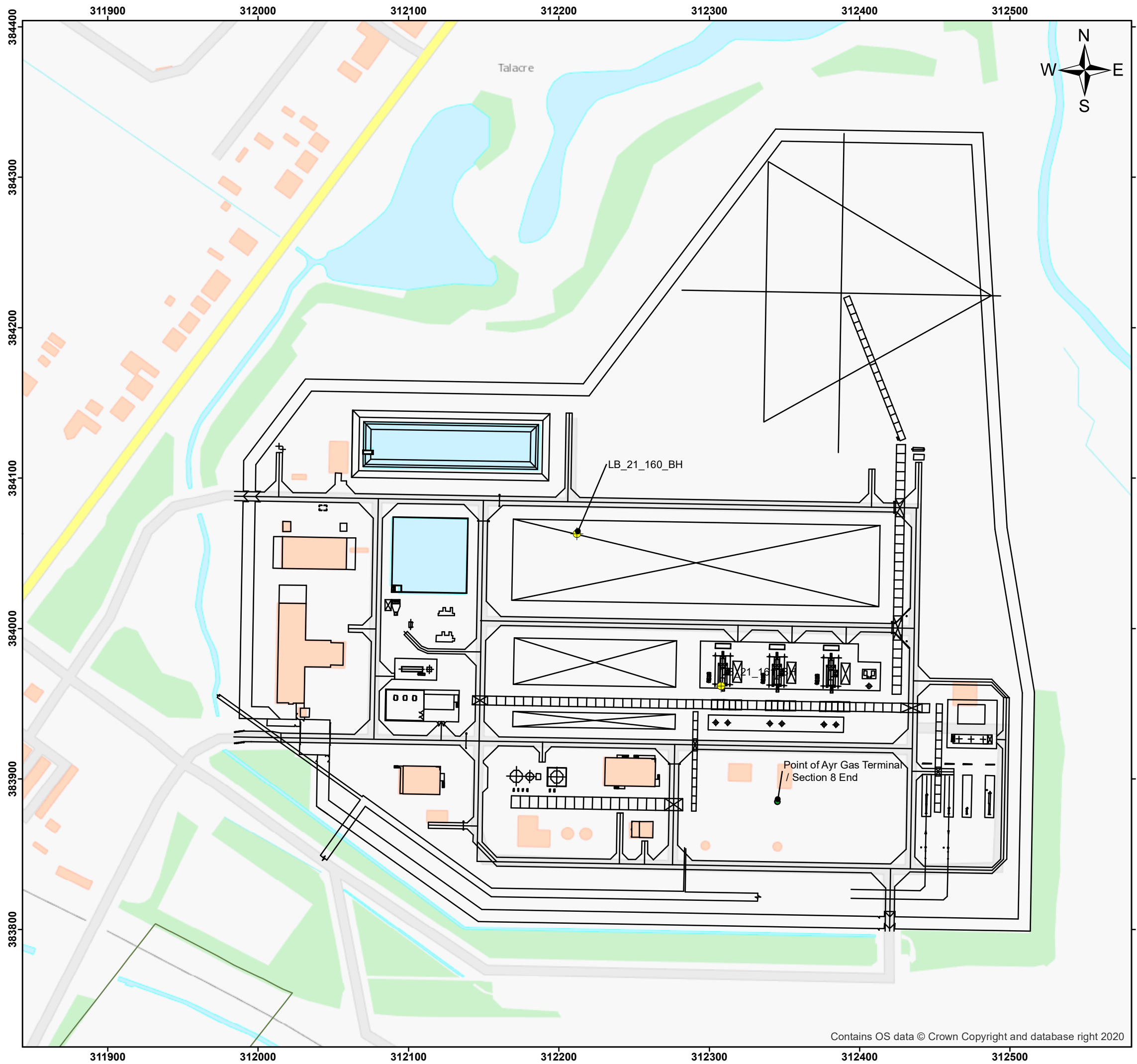
Project Title
LBA CCS Transport and Storage Project Ground Investigations

Figure Title
Exploratory Hole Location Plan

Figure Number
Section 8.16

Drawn By BAM	Checked By SDW	Issued On 18/03/2022	Project No. F190089	Sheet Size A3	Rev. 3
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Legend

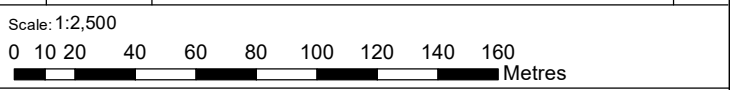
Location Type

- Cable Percussion Borehole
- Inspection Pit
- Rotary Cored Borehole
- Inspection Pit with CPT follow-on
- ◆ Sonic Core Drilled Borehole
- ◆ Sonic Core Drilled Borehole with Rotary follow-on
- Trial Pit

Name

- Existing Infrastructure
- GIS
- SIF
- Route Structures
- Historic Landfill Sites
- Crossings

Rev.	Date	Description	Initials
0	18/03/2022	Draft Issue	BAM
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2	05/09/2022	Draft Issue	BAM



Coordinate System
British National Grid

Client EniProgetti S.p.A Eni House, Basing View Basingstoke, RG21 4YY https://www.eni.com/		Consultant Fugro GeoServices Limited Fugro House, Hithcroft Road, Wallingford Oxfordshire, OX10 9RB, United Kingdom Registered in England No. 1284352 VAT No. GB 133 1704 09 www.fugro.com	
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Project Title
LBA CCS Transport and Storage Project Ground Investigations

Figure Title
Exploratory Hole Location Plan

Figure Number
Section 8.17

Drawn By BAM	Checked By SDW	Issued On 18/03/2022	Project No. F190089	Sheet Size A3	Rev. 3
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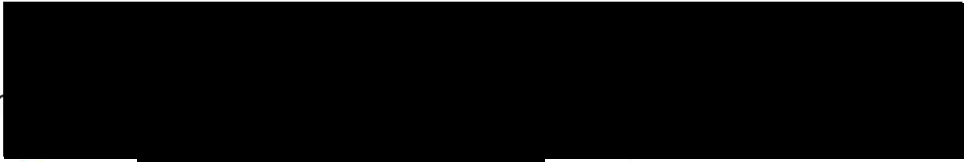
YSI Pro Calibration

YSI & Cable Serial Numbers: 18D100086 / 18D100018

	Reading	Target	Acceptable	Pass	Lot No:
Temp	20.2	Ref: 20.4	± 1°C	✓	N/A
pH7mv	-3.2	0.0	0 ± 50	✓	19C1
pH4mv	170.6	177	177 ± 50	✓	19C1
pH Slope	173.8	177	162 - 180	✓	N/A
Cond. Cell Constant	5.0	5	4.6 - 5.4	✓	19B3
Redox Offset	5.6	0.0	±50.0	✓	19C1
DO Gain	Pass or fail determined by the meter			✓	N/A

All parameters were within acceptable range on the day of despatch; however we do recommend that the instrument is calibrated daily to ensure accurate readings.

* Calibrated to manufacturers standards

Signature: 

Name: 

Cross checked contents initials:

CALIBRATION CERTIFICATE



Date of Calibration: - 4th October 2021

Certificate Number: - 257740

Calibrated by: - P Kovacs

Customer: - Shawcity Limited

Description: - Tiger

Manufacturer: - ION Science Ltd

Type Number: - N/A

Serial Number: - T-118424

Service Due date: - October 2022

This instrument has been factory calibrated to fully documented procedures in accordance with our ISO 9001:2015 Quality Management System.

Measurement standards are derived from volumetric and time sources which have been calibrated at an accredited laboratory traceable to National or International standards. The following list indicates the serial numbers of equipment used during the calibration procedure.

BAR02	C90541 / A13182 ¹				
-------	------------------------------	--	--	--	--

¹ Gas mixtures prepared using equipment traceable to N.P.L. standards against Suppliers Certificate No.

The instrument has been calibrated at a temperature of $21.6^{\circ}\text{C} \pm 0.25^{\circ}\text{C}$ and a barometric pressure of $1004.7 \text{ mbar} \pm 2 \text{ mbar}$.

ION Science hereby certify that on the day of calibration the instrument was working according to the manufacturer's original sales specification as checked by the calibration procedure, unless otherwise stated.

Copies of this certificate may only be reproduced in full.

Calibrations are valid as certified only on date of Calibration. For correct instrument operation please see the User Manual.

RESULTS ON DESPATCH

Applied Concentration	Instrument Indication
100.4 ppm Isobutylene	100.7 ppm Isobutylene

The estimated applied gas uncertainty is $\pm 2.0\%$

Comments: -



**CHECKLIST FOR
PHOCHECK TIGER PRODUCT RANGE**

KIT CONTENTS

PhoCheck Tiger Instrument	<input checked="" type="checkbox"/>
PhoCheck Tiger Select Instrument	<input type="checkbox"/>
Li-ion Battery Pack	<input checked="" type="checkbox"/>
Alkaline Battery Pack	<input type="checkbox"/>
Instrument Boot	<input checked="" type="checkbox"/>
Charger	<input checked="" type="checkbox"/>
Power Supply (12V)	<input checked="" type="checkbox"/>
Quick Start Guide (Standard)	<input checked="" type="checkbox"/>
Quick Start Guide (Tiger Select)	<input type="checkbox"/>
Warranty Registration Card	<input checked="" type="checkbox"/>
Safety Notice for Tiger Instrument	<input checked="" type="checkbox"/>
USB Cable	<input checked="" type="checkbox"/>
Accessory Kit	<input checked="" type="checkbox"/>

Benzene Pre-Filter Tubes (pack of 10)	<input type="checkbox"/>
Benzene Tube Holder	<input type="checkbox"/>
Benzene Tube Opener	<input type="checkbox"/>

UPGRADES

H&S (STEL & TWA)	861300	<input type="checkbox"/>
PPB (Sensitivity)	861301	<input type="checkbox"/>
Data Logging (Full)	861303	<input type="checkbox"/>
Single Log (Push to log)	861309	<input type="checkbox"/>
Multi Log	861310	<input type="checkbox"/>
Tiger Select		<input type="checkbox"/>

QUALITY CHECK

Software version:	0.8.14
Integrity seal present?	<input checked="" type="radio"/> Yes / No

Final instrument inspection date:	<input type="checkbox"/>	4/10/2021
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CALIBRATION CERTIFICATE



Date of Calibration: - 4th October 2021

Certificate Number: - 257741

Calibrated by: - P Kovacs

Customer: - Shawcity Limited

Description: - Tiger

Manufacturer: - ION Science Ltd

Type Number: - N/A

Serial Number: - T-118425

Service Due date: - October 2022

This instrument has been factory calibrated to fully documented procedures in accordance with our ISO 9001:2015 Quality Management System. Measurement standards are derived from volumetric and time sources which have been calibrated at an accredited laboratory traceable to National or International standards. The following list indicates the serial numbers of equipment used during the calibration procedure.

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¹ Gas mixtures prepared using equipment traceable to N.P.L. standards against Suppliers Certificate No.

The instrument has been calibrated at a temperature of $21.6^{\circ}\text{C} \pm 0.25^{\circ}\text{C}$ and a barometric pressure of $1004.7 \text{ mbar} \pm 2 \text{ mbar}$.

ION Science hereby certify that on the day of calibration the instrument was working according to the manufacturer's original sales specification as checked by the calibration procedure, unless otherwise stated.

Copies of this certificate may only be reproduced in full.

Calibrations are valid as certified only on date of Calibration. For correct instrument operation please see the User Manual.

RESULTS ON DESPATCH

Applied Concentration	Instrument Indication
100.4 ppm Isobutylene	100.4 ppm Isobutylene

The estimated applied gas uncertainty is $\pm 2.0\%$

Comments: -

PD-FM-086-09



**CHECKLIST FOR
PHOCHECK TIGER PRODUCT RANGE**

KIT CONTENTS

PhoCheck Tiger Instrument	<input checked="" type="checkbox"/>
PhoCheck Tiger Select Instrument	<input type="checkbox"/>
Li-ion Battery Pack	<input checked="" type="checkbox"/>
Alkaline Battery Pack	<input type="checkbox"/>
Instrument Boot	<input checked="" type="checkbox"/>
Charger	<input checked="" type="checkbox"/>
Power Supply (12V)	<input checked="" type="checkbox"/>
Quick Start Guide (Standard)	<input checked="" type="checkbox"/>
Quick Start Guide (Tiger Select)	<input type="checkbox"/>
Warranty Registration Card	<input checked="" type="checkbox"/>
Safety Notice for Tiger Instrument	<input checked="" type="checkbox"/>
USB Cable	<input checked="" type="checkbox"/>
Accessory Kit	<input checked="" type="checkbox"/>

Benzene Pre-Filter Tubes (pack of 10)	<input type="checkbox"/>
Benzene Tube Holder	<input type="checkbox"/>
Benzene Tube Opener	<input type="checkbox"/>

UPGRADES

H&S (STEL & TWA)	861300	<input type="checkbox"/>
PPB (Sensitivity)	861301	<input type="checkbox"/>
Data Logging (Full)	861303	<input type="checkbox"/>
Single Log (Push to log)	861309	<input type="checkbox"/>
Multi Log	861310	<input type="checkbox"/>
Tiger Select		<input type="checkbox"/>

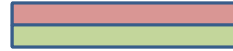
QUALITY CHECK

Software version:	0.8.14
Integrity seal present?	<input checked="" type="radio"/> Yes / No

Final instrument inspection date:	<input type="checkbox"/>	4/10/2021
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PD-FM-075-10

**Generic Risk Assessment - Soils
Lab Data Screening**



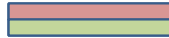
Exceeds GAC
Exceeds LOD

Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 1
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Made Ground/Topsoil
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_202_BH	LB_21_202_CPT	LB_21_203_BH	LB_21_203_CPT	LB_21_205_TP	LB_21_208_TP	LB_21_210_CPT	LB_21_213_BH
Depth	0.50-0.50	0.10-0.20	0.40	0.10-0.20	0.20-0.30	0.20-0.30	0.60-0.70	0.5
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES
Sampled Date	22/08/03	30/11/2021	14/03/2022	30/11/2021	13/10/2021	13/10/2021	21/03/12	22/01/03
Sample Received Date	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-
Strata / Zone	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil

Test	Units	LOD	Selected GAC	No. Above GAC	LB_21_202_BH	LB_21_202_CPT	LB_21_203_BH	LB_21_203_CPT	LB_21_205_TP	LB_21_208_TP	LB_21_210_CPT	LB_21_213_BH
Metals												
Arsenic	mg/kg	0.2	170	0	6.4	12	18	18	7.2	7.6	6.6	13
Cadmium	mg/kg	0.1	532	0	< 0.1	0.4	0.2	0.3	0.2	0.3	0.5	0.2
Chromium	mg/kg	0.15	33000	0	12	24	37	41	25	28	22	34
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	6.9	25	19	25	22	50	21	43
Lead	mg/kg	0.3	1300	0	11	50	28	40	40	81	28	24
Mercury	mg/kg	0.05	240	0	< 0.05	0.09	< 0.05	0.08	0.06	< 0.05	0.06	< 0.05
Nickel	mg/kg	1	3400	0	12	17	36	35	17	20	12	35
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	0.9	< 0.5	< 0.5	< 0.5	< 0.5	1.1
Zinc	mg/kg	1	170000	0	31	79	82	98	70	95	72	90
Inorganics												
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	15	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 3.4	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	15	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 1.4	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 1.4	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	< 10	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	15	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs												
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.04	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.08	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	0.08	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.05	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.04	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**



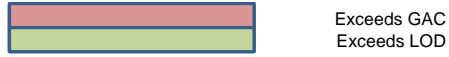
Exceeds GAC
Exceeds LOD

Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 1
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_202_CPT	LB_21_203_BH	LB_21_203_CPT	LB_21_206_BH	LB_21_207_CPT	LB_21_212_CPT	LB_21_213_CPT	LB_21_214_CPT
Depth	0.90-1.00	1	0.70-0.80	0.60-0.70	0.90-1.00	0.60-0.70	0.50-0.60	0.70-0.80
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES
Sampled Date	30/11/2021	14/03/2022	30/11/2021	21/10/12	21/02/12	21/02/12	21/02/12	21/02/12
Sample Received Date	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC	LB_21_202_CPT	LB_21_203_BH	LB_21_203_CPT	LB_21_206_BH	LB_21_207_CPT	LB_21_212_CPT	LB_21_213_CPT	LB_21_214_CPT
Metals												
Arsenic	mg/kg	0.2	170	0	8.3	1.9	0.9	4	6.3	17	13	0.7
Cadmium	mg/kg	0.1	532	0	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1
Chromium	mg/kg	0.15	33000	0	21	2.3	0.49	21	25	33	30	0.48
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	15	19	4.7	8.6	19	23	22	3
Lead	mg/kg	0.3	1300	0	13	7	0.7	9.1	7.1	22	26	0.7
Mercury	mg/kg	0.05	240	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	19	5.1	2	25	29	30	1.1	
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	< 0.5
Zinc	mg/kg	1	170000	0	47	15	13	25	35	61	71	4.2
Inorganics												
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs												
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.05
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.04	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.07	0.12	0.08
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.06
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	0.05	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.08
dibenzol(a,h)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	< 0.10	0.45

Generic Risk Assessment - Soils Lab Data Screening

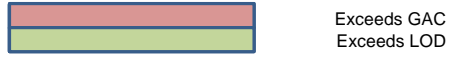


Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 2
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Made Ground/Topsoil
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_04_TP	LB_21_07_BH	LB_21_10_CPT	LB_21_102_TP	LB_21_113_TP	LB_21_114_TP
Depth	0.10-0.20	0.70-0.80	0.40-0.50	0.30-0.40	0.20-0.30	0.40-0.50
Sample Type	ES	ES	ES	ES	ES	ES
Sampled Date	23/11/2021	30/11/2021	21/09/12	21/02/11	21/03/11	22/11/2021
Sample Received Date	-	-	-	-	-	-
Sample No	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-
Strata / Zone	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil

Test	Units	LOD	Selected GAC	No. Above GAC	LB_21_04_TP	LB_21_07_BH	LB_21_10_CPT	LB_21_102_TP	LB_21_113_TP	LB_21_114_TP
Metals										
Arsenic	mg/kg	0.2	170	0	6.4	7.8	8.8	5	7	3.7
Cadmium	mg/kg	0.1	532	0	0.2	0.4	0.2	0.1	0.1	0.1
Chromium	mg/kg	0.15	33000	0	21	21	15	22	17	14
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	18	18	15	20	17	14
Lead	mg/kg	0.3	1300	0	34	28	10	19	37	25
Mercury	mg/kg	0.05	240	0	0.13	< 0.05	0.08	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	12	18	11	11	12	7.2
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	35	78	25	41	46	22
Inorganics										
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs										
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	0.04	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	0.04	< 0.03	0.04	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	0.04	< 0.03	0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	0.37	< 0.03	0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	0.48	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**

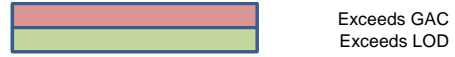


Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 2
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Made Ground/Topsoil
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_118_CPT	LB_21_119_CPT	LB_21_124_BH	LB_21_19_BH	LB_21_20_TP	LB_21_21_BH
Depth	0.40-0.50	0.20-0.30	0.3	0.25-0.25	0.20-0.30	0.90-1.00
Sample Type	ES	ES	ES	ES	ES	ES
Sampled Date	21/09/12	21/09/12	13/04/2022	15/03/2022	03/11/2021	08/11/2021
Sample Received Date	-	-	-	-	-	-
Sample No	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-
Strata / Zone	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil

Test	Units	LOD	Selected GAC	No. Above GAC	LB_21_118_CPT	LB_21_119_CPT	LB_21_124_BH	LB_21_19_BH	LB_21_20_TP	LB_21_21_BH
Metals										
Arsenic	mg/kg	0.2	170	0	8.6	6.3	9.1	10	7.4	6.6
Cadmium	mg/kg	0.1	532	0	0.1	0.1	0.2	0.2	0.2	0.1
Chromium	mg/kg	0.15	33000	0	12	11	29	17	14	19
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	15	12	22	27	19	14
Lead	mg/kg	0.3	1300	0	11	6.2	58	130	42	8.3
Mercury	mg/kg	0.05	240	0	< 0.05	< 0.05	0.07	0.22	0.06	< 0.05
Nickel	mg/kg	1	3400	0	6.6	7.6	21	13	11	17
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	21	20	62	48	49	30
Inorganics										
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs										
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	0.05	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	0.06	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	0.62	< 0.03	< 0.03	< 0.03	0.05	< 0.03
Anthracene	mg/kg	0.03	150000	0	0.13	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	0.53	< 0.03	0.03	< 0.03	0.06	0.03
Pyrene	mg/kg	0.03	15000	0	0.42	< 0.03	0.03	< 0.03	0.06	0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	0.14	< 0.03	< 0.03	< 0.03	0.03	0.04
Chrysene	mg/kg	0.03	93	0	0.16	< 0.03	< 0.03	< 0.03	0.04	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	0.11	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	0.05	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	0.08	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	2.4	< 0.10	< 0.10	< 0.10	0.21	< 0.10

Generic Risk Assessment - Soils Lab Data Screening

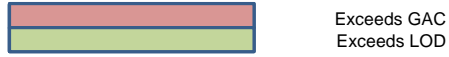


Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 2
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_01_BH	LB_21_01_BH	LB_21_02_BH	LB_21_03_TP	LB_21_05_BH	LB_21_06_BH	LB_21_08_BH	LB_21_101_TP
Depth	0.15-0.25	0.40-0.50	0.80-0.90	0.4	0.80-0.90	0.80-0.90	0.65	0.30-0.40
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES
Sampled Date	28/02/2022	28/02/2022	21/08/12	24/11/2021	21/02/12	22/11/2021	21/10/12	21/02/11
Sample Received Date	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC								
Metals												
Arsenic	mg/kg	0.2	170	0	6.6	1.4	5	5.9	3.3	9.2	1.2	6
Cadmium	mg/kg	0.1	532	0	1.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Chromium	mg/kg	0.15	33000	0	17	3.8	17	20	20	37	4.2	27
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	28	50	13	18	13	24	7	20
Lead	mg/kg	0.3	1300	0	110	13	9.6	26	7	10	4.3	32
Mercury	mg/kg	0.05	240	0	0.07	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	17	6.2	13	14	15	40	3.3	16
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	140	42	33	28	27	46	7.8	57
Inorganics												
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs												
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	0.03	< 0.03	< 0.03	< 0.03	0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**

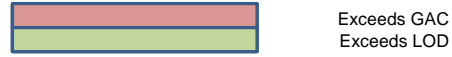


Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 2
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_11_BH	LB_21_11_BH	LB_21_112_BH	LB_21_112_BH	LB_21_112_BH	LB_21_112_BH	LB_21_114_BH	LB_21_114_BH
Depth	0.4	1	1	1.5	2	0.50-0.60	0.80-0.90	2.00-2.20
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES
Sampled Date	17/03/2022	17/03/2022	02/03/2022	02/03/2022	02/03/2022	01/03/2022	25/11/2021	25/11/2021
Sample Received Date	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC								
Metals												
Arsenic	mg/kg	0.2	170	0	16	12	7.8	7.4	8	7.8	0.9	5.5
Cadmium	mg/kg	0.1	532	0	0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chromium	mg/kg	0.15	33000	0	27	21	32	30	29	39	3.3	27
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	27	19	19	25	23	27	5.9	19
Lead	mg/kg	0.3	1300	0	23	17	15	8.3	7	9.3	4.1	7.7
Mercury	mg/kg	0.05	240	0	0.08	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	17	16	25	33	33	39	2.2	32
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	35	34	43	44	40	42	5.7	37
Inorganics												
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	0.14	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs												
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	0.06	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	0.04	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	0.17	0.07	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	0.13	0.15	< 0.03	0.13	0.05	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	0.09	0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	0.07	0.09	< 0.03	0.03	< 0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	0.04	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	0.04	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	0.04	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	0.2	0.24	< 0.10	0.53	0.12	< 0.10	< 0.10	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**

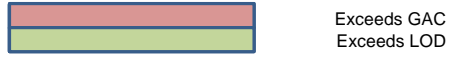


Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 2
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_115_TP	LB_21_115_TP	LB_21_119_CPT	LB_21_12_BH	LB_21_12_BH	LB_21_120_CPT	LB_21_124_BH	LB_21_13_BH
Depth	0.60-0.70	1.10-1.20	0.70-0.80	0.30	1.10	0.50-0.60	1.10	0.70-0.80
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES
Sampled Date	19/11/2021	19/11/2021	09/12/2021	23/03/2022	23/03/2022	09/12/2021	13/04/2022	18/11/2021
Sample Received Date	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC								
Metals												
Arsenic	mg/kg	0.2	170	0	2	5.1	8.3	22	10	19	8.5	6.3
Cadmium	mg/kg	0.1	532	0	< 0.1	< 0.1	0.2	0.1	0.8	0.2	< 0.1	0.1
Chromium	mg/kg	0.15	33000	0	9.6	35	13	36	18	6.2	36	26
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	9.9	22	10	28	34	11	26	22
Lead	mg/kg	0.3	1300	0	8.8	11	5.2	20	9.1	7.4	9.4	9
Mercury	mg/kg	0.05	240	0	< 0.05	< 0.05	< 0.05	0.07	0.06	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	2.6	25	8.5	20	20	9.4	38	28
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	0.9	0.8	0.7	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	19	41	22	36	44	20	48	39
Inorganics												
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs												
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	0.04	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	0.04	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	< 0.03	0.2	0.25	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	0.07	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	0.26	0.25	< 0.10	< 0.10	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**

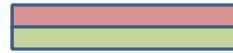


Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 2
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_16_BH	LB_21_16_BH	LB_21_17_CPT	LB_21_18_BH	LB_21_20_BH	LB_21_22_TP
Depth	0.30	1.10	0.90-1.00	0.50-0.60	0.80-0.90	0.40-0.50
Sample Type	ES	ES	ES	ES	ES	ES
Sampled Date	31/03/2022	31/03/2022	03/12/2021	08/12/2021	09/11/2021	25/11/2021
Sample Received Date	-	-	-	-	-	-
Sample No	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC						
Metals					-	-	-	-	-	-
Arsenic	mg/kg	0.2	170	0	7.7	8.5	6.5	7.3	3.3	6.8
Cadmium	mg/kg	0.1	532	0	0.3	0.2	0.1	0.3	< 0.1	< 0.1
Chromium	mg/kg	0.15	33000	0	23	28	29	34	13	29
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	19	20	22	25	9.2	15
Lead	mg/kg	0.3	1300	0	34	18	7.2	27	5.9	11
Mercury	mg/kg	0.05	240	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	19	28	29	40	11	21
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	66	50	41	220	26	31
Inorganics					-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs					-	-	-	-	-	-
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**



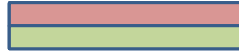
Exceeds GAC
Exceeds LOD

Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 3
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Made Ground/Topsoil
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_121_BH	LB_21_123_BH	LB_21_26_TP	LB_21_36_TP	LB_21_39_TP	LB_21_40_TP	LB_21_96_TP	LB_21_97_TP	LB_21_98_TP
Depth	0.30-0.30	0.3	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES
Sampled Date	28/03/2022	22/08/04	29/10/2021	18/11/2021	17/11/2021	27/10/2021	21/04/11	21/04/11	21/04/11
Sample Received Date	-	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-	-
Strata / Zone	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil

Test	Units	LOD	Selected GAC	No. Above GAC	LB_21_121_BH	LB_21_123_BH	LB_21_26_TP	LB_21_36_TP	LB_21_39_TP	LB_21_40_TP	LB_21_96_TP	LB_21_97_TP	LB_21_98_TP
Metals													
Arsenic	mg/kg	0.2	170	0	8.4	8.8	8.5	7.3	14	6.3	7.4	7.5	7.9
Cadmium	mg/kg	0.1	532	0	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.2
Chromium	mg/kg	0.15	33000	0	24	27	27	24	18	7.6	18	21	22
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	23	22	23	18	26	15	19	23	19
Lead	mg/kg	0.3	1300	0	44	38	36	45	41	72	75	51	60
Mercury	mg/kg	0.05	240	0	0.09	0.06	< 0.05	0.05	0.06	0.13	0.18	0.1	0.12
Nickel	mg/kg	1	3400	0	21	16	26	16	19	7.1	12	17	16
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	54	58	58	51	69	49	45	65	53
Inorganics													
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	< 1.2	< 1.2	< 1.2	< 1.2	< 0.5	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	< 1.5	< 1.5	< 1.5	< 1.5	< 0.6	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	-	< 3.4	< 3.4	< 3.4	< 3.4	< 1.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	< 3.4	< 3.4	< 3.4	< 3.4	< 1.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	1.89	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.20	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.50	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	7.74	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.40	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.40	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	13.15	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.90	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.50	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.60	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	2.04	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.40	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.40	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	< 10.00	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	15.49	-	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs													
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	0.1	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	0.05	0.05	0.06	0.06	0.19	< 0.03	0.04
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	0.05	0.05	0.06	0.05	0.17	< 0.03	0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.09	0.03	0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	0.03	0.03	0.1	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	0.04	0.05	0.04	0.11	0.04	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	0.05	< 0.03	0.04	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	0.09	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.05	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.04	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	0.14	0.22	0.15	0.97	< 0.10	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**



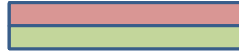
Exceeds GAC
Exceeds LOD

Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 3
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_121_BH	LB_21_122_BH	LB_21_122_BH	LB_21_123_BH	LB_21_27_BH	LB_21_30_BH	LB_21_31_TP	LB_21_32_BH
Depth	1.10-1.10	0.3	1.10	1	0.80-0.90	0.90-1.00	0.40-0.50	0.70-0.80
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES
Sampled Date	28/03/2022	22/05/04	22/05/04	22/08/04	21/10/11	23/11/2021	15/11/2021	19/11/2021
Sample Received Date	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC	LB_21_121_BH	LB_21_122_BH	LB_21_122_BH	LB_21_123_BH	LB_21_27_BH	LB_21_30_BH	LB_21_31_TP	LB_21_32_BH
Metals					-	-	-	-	-	-	-	-
Arsenic	mg/kg	0.2	170	0	4.3	8.4	7	7.6	8.2	4.3	5.4	5.5
Cadmium	mg/kg	0.1	532	0	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chromium	mg/kg	0.15	33000	0	23	30	36	28	35	27	19	24
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	16	23	26	22	22	21	13	15
Lead	mg/kg	0.3	1300	0	6.8	41	8.9	7.2	9.9	7.6	21	17
Mercury	mg/kg	0.05	240	0	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	21	28	32	31	38	27	14	16
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	31	57	43	41	40	35	32	34
Inorganics					-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	-	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	2.1	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.20	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.50	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	11.44	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.40	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.40	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	17.83	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.90	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.50	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.60	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.40	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.40	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.40	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	< 10.00	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	19.44	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs					-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.04	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**



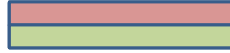
Exceeds GAC
Exceeds LOD

Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 3
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_33_BH	LB_21_34_CPT	LB_21_35_TP	LB_21_37_TP	LB_21_38_BH	LB_21_38_CPT	LB_21_99_BH
Depth	0.70-0.80	0.90-1.00	0.40-0.50	0.40-0.50	0.50-0.60	0.80-0.90	0.70-0.80
Sample Type	ES	ES	ES	ES	ES	ES	ES
Sampled Date	17/11/2021	21/01/12	16/11/2021	18/11/2021	25/11/2021	01/12/2021	16/11/2021
Sample Received Date	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC							
Metals					-	-	-	-	-	-	-
Arsenic	mg/kg	0.2	170	0	7.2	6.6	8.7	9.6	6.9	7.6	4.8
Cadmium	mg/kg	0.1	532	0	< 0.1	0.1	< 0.1	< 0.1	0.1	0.1	< 0.1
Chromium	mg/kg	0.15	33000	0	26	28	37	36	32	30	21
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	22	24	28	24	23	19	9.9
Lead	mg/kg	0.3	1300	0	6.6	7.6	11	14	13	17	10
Mercury	mg/kg	0.05	240	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.07	< 0.05
Nickel	mg/kg	1	3400	0	26	34	40	36	32	35	11
Selenium	mg/kg	0.5	1800	0	< 0.5	0.7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	38	39	44	41	40	43	23
Inorganics					-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs					-	-	-	-	-	-	-
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**



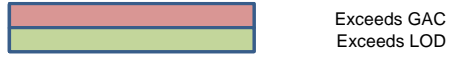
Exceeds GAC
Exceeds LOD

Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 4
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Made Ground/Topsoil
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB 21 42 TP	LB 21 43 TP	LB 21 44 BH	LB 21 45 IP	LB 21 46 BH	LB 21 47 BH	LB 21 49 BH	LB 21 50 TP
Depth	0.20-0.30	0.20-0.30	0.30	0.50-0.50	0.30-0.30	0.3	0.3	0.20-0.30
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES
Sampled Date	26/10/2021	26/10/2021	21/02/11	22/01/04	22/07/04	22/08/04	22/12/04	29/10/2021
Sample Received Date	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-
Strata / Zone	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil

Test	Units	LOD	Selected GAC	No. Above GAC	LB 21 42 TP	LB 21 43 TP	LB 21 44 BH	LB 21 45 IP	LB 21 46 BH	LB 21 47 BH	LB 21 49 BH	LB 21 50 TP
Metals												
Arsenic	mg/kg	0.2	170	0	6.4	11	11	8.6	8.5	9.3	12	9.6
Cadmium	mg/kg	0.1	532	0	0.2	0.4	0.2	0.2	0.3	0.5	0.7	0.2
Chromium	mg/kg	0.15	33000	0	13	18	19	18	14	16	15	23
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	21	19	100	14	28	30	30	12
Lead	mg/kg	0.3	1300	0	38	45	40	33	41	44	280	53
Mercury	mg/kg	0.05	240	0	0.1	0.14	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	10	17	16	17	12	20	47	17
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.9	< 0.5
Zinc	mg/kg	1	170000	0	64	80	67	56	76	86	240	66
Inorganics												
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	7.5	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	34	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.8	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	4.7	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	70	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	37	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	110	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	150	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs												
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	0.07	0.03	0.27	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.06	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	0.05	< 0.03	< 0.03	< 0.03	0.18	0.06	1	< 0.03
Pyrene	mg/kg	0.03	15000	0	0.05	0.03	< 0.03	< 0.03	0.17	0.05	0.86	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	0.03	< 0.03	< 0.03	< 0.03	0.08	0.03	0.43	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	0.11	0.05	0.55	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	0.04	< 0.03	< 0.03	< 0.03	0.2	0.07	0.64	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	0.08	< 0.03	0.26	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	0.15	0.15	< 0.03	< 0.03	0.14	0.04	0.43	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	0.12	0.04	0.32	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.07	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	0.03	< 0.03	< 0.03	< 0.03	0.16	0.05	0.31	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	0.29	0.15	< 0.10	< 0.10	< 1.07	< 0.31	< 4.23	< 0.10

Generic Risk Assessment - Soils
Lab Data Screening

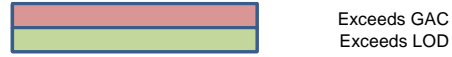


Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 5
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Made Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_105_TP	LB_21_106_TP	LB_21_107_TP	LB_21_109_BH	LB_21_109_BH	LB_21_109_TP	LB_21_58_TP	LB_21_61_CPT	LB_21_63_BH
Depth	0.20-0.30	0.30-0.40	0.20-0.30	0.95	4	1.40-1.50	0.40-0.50	0.20-0.30	0.70-0.80
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES
Sampled Date	14/10/2021	14/10/2021	14/10/2021	15/11/2021	15/11/2021	27/10/2021	22/10/2021	21/10/12	17/02/2022
Sample Received Date	-	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-	-
Strata / Zone	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground

Test	Units	LOD	Selected GAC	No. Above GAC	leave blank	leave blank	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
Metals													
Arsenic	mg/kg	0.2	170	0	16	14	11	12	12	11	27	8.5	8
Cadmium	mg/kg	0.1	532	0	0.7	0.5	1.1	0.2	0.2	0.5	<0.1	0.2	0.3
Chromium	mg/kg	0.15	33000	0	25	13	15	22	15	12	7.1	12	25
Hexavalent Chromium	mg/kg	1	220	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Copper	mg/kg	0.2	44000	0	40	22	16	32	30	58	29	18	21
Lead	mg/kg	0.3	1300	0	66	82	100	39	65	140	49	45	28
Mercury	mg/kg	0.05	240	0	0.08	<0.05	<0.05	0.09	0.07	<0.05	0.09	<0.05	<0.05
Nickel	mg/kg	1	3400	0	32	21	13	26	18	21	4.6	11	30
Selenium	mg/kg	0.5	1800	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5
Zinc	mg/kg	1	170000	0	270	81	140	72	84	140	13	44	68
Inorganics													
Aliphatics >C12-C16	mg/kg	1.2	25000	0	<1.2	<1.2	<1.2	3.6	<1.2	<0.5	<1.2	<1.2	<1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	<1.5	<1.5	<1.5	3.9	<1.5	<0.6	<1.5	<1.5	<1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	<3.4	<3.4	<3.4	4.5	<3.4	<1.4	<3.4	<3.4	<3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	<3.4	<3.4	<3.4	<3.4	<3.4	<1.4	<3.4	<3.4	<3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	<10	<10	<10	17	<10	<10	<10	<10	<10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	<10	<10	<10	17	<10	<10	<10	<10	<10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PAHs													
Naphthalene	mg/kg	0.03	1200	0	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	<0.03
Acenaphthylene	mg/kg	0.03	29000	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Acenaphthene	mg/kg	0.03	29000	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Fluorene	mg/kg	0.03	20000	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenanthrene	mg/kg	0.03	6200	0	<0.03	<0.03	<0.03	0.04	<0.03	<0.03	0.06	<0.03	<0.03
Anthracene	mg/kg	0.03	150000	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Fluoranthene	mg/kg	0.03	6300	0	<0.03	<0.03	<0.03	0.09	0.06	<0.03	<0.03	0.04	<0.03
Pyrene	mg/kg	0.03	15000	0	<0.03	<0.03	<0.03	0.08	0.06	<0.03	<0.03	0.04	<0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	<0.03	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Chrysene	mg/kg	0.03	93	0	<0.03	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	<0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	<0.03	<0.03	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	<0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
PAH 16 Total	mg/kg	0.1	-	0	<0.10	<0.10	<0.10	0.25	0.16	<0.10	<0.10	0.12	<0.10

**Generic Risk Assessment - Soils
Lab Data Screening**

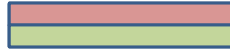


Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 5
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Made Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_63_BH	LB_21_69_TP	LB_21_70_TP	LB_21_75_TP	LB_21_76_TP	LB_21_91_TP	LB_21_92_TP	LB_21_93_TP	LB_21_94_TP
Depth	1.10-1.20	0.20-0.30	0.20-0.30	0.2	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30
Sample Type	ES	ES	ES	ES	SOIL	ES	ES	ES	ES
Sampled Date	17/02/2022	25/10/2021	20/10/2021	15/10/2021	11/10/2021	21/10/2021	25/10/2021	21/10/2021	21/10/2021
Sample Received Date	-	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-	-
Strata / Zone	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground

Test	Units	LOD	Selected GAC	No. Above GAC	1.10-1.20	0.20-0.30	0.20-0.30	0.2	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30
Metals					-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	0.2	170	0	9.6	5	12	7.9	9.8	14	15	12	13
Cadmium	mg/kg	0.1	532	0	0.7	0.2	0.3	0.3	0.3	0.5	0.5	0.5	0.6
Chromium	mg/kg	0.15	33000	0	42	15	20	16	17	25	20	28	25
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	33	17	21	12	12	26	32	31	28
Lead	mg/kg	0.3	1300	0	120	37	70	62	68	56	63	58	64
Mercury	mg/kg	0.05	240	0	0.06	< 0.05	0.07	< 0.05	0.05	0.15	0.35	0.34	0.23
Nickel	mg/kg	1	3400	0	19	22	13	9.3	12	21	17	25	18
Selenium	mg/kg	0.5	1800	0	0.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5
Zinc	mg/kg	1	170000	0	220	47	81	55	44	85	81	130	110
Inorganics					-	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	2.5	< 1.2	< 10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	4	< 1.5	< 0.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	22	< 3.4	< 0.6	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 1.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	29	< 10	< 1.4	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	8.2	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	13	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	19	< 0.6	< 0.5	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	34	< 1.4	< 0.6	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	73	< 10	< 1.4	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	< 1.50	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	< 1.20	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	< 1.50	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	13.73	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	< 3.40	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	< 3.40	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs					-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0.03	1200	0	0.16	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	0.21	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	0.13	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	0.93	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03
Anthracene	mg/kg	0.03	150000	0	0.44	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	2	< 0.03	< 0.03	< 0.03	< 0.03	0.06	0.04	0.04	0.05
Pyrene	mg/kg	0.03	15000	0	1.8	< 0.03	< 0.03	< 0.03	< 0.03	0.05	0.04	0.04	0.05
Benzo(a)anthracene	mg/kg	0.03	49	0	0.63	< 0.03	< 0.03	0.05	< 0.03	0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	0.67	< 0.03	< 0.03	< 0.03	< 0.03	0.04	< 0.03	< 0.03	0.04
Benzo(b)fluoranthene	mg/kg	0.03	13	0	0.84	< 0.03	< 0.03	< 0.03	< 0.03	0.05	< 0.03	< 0.03	0.04
Benzo(k)fluoranthene	mg/kg	0.03	370	0	0.34	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	0.72	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.14	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	0.36	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	0.08	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	0.46	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	9.8	< 0.10	< 0.03	< 0.10	< 0.10	0.2	0.22	< 0.10	0.19

**Generic Risk Assessment - Soils
Lab Data Screening**



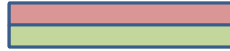
Exceeds GAC
Exceeds LOD

Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 5
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_103_BH	LB_21_109_TP	LB_21_58_TP	LB_21_59_BH	LB_21_60_BH	LB_21_62_CPT	LB_21_63_BH	LB_21_64_BH	LB_21_65_BH
Depth	0.50-0.60	3.90-4.00	1.40-1.50	0.60-0.70	0.50-0.60	0.50-0.60	2.8	0.50-0.60	0.60-0.60
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES
Sampled Date	13/10/2021	27/10/2021	22/10/2021	26/10/2021	20/10/2021	21/10/12	17/02/2022	30/11/2021	30/11/2021
Sample Received Date	-	-	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC	leave blank	-	-	-	-	-	-	-	-
Metals													
Arsenic	mg/kg	0.2	170	0	8.5	41	7.5	25	5.4	6.3	5.8	8.4	4.3
Cadmium	mg/kg	0.1	532	0	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1	0.2	0.3	0.1
Chromium	mg/kg	0.15	33000	0	24	11	25	19	14	14	17	23	9.7
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	24	19	25	14	16	19	18	15	10
Lead	mg/kg	0.3	1300	0	19	300	14	15	16	18	14	26	22
Mercury	mg/kg	0.05	240	0	< 0.05	0.3	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	23	10	27	18	17	11	11	15	7.7
Selenium	mg/kg	0.5	1800	0	< 0.5	0.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	53	42	46	33	30	39	53	60	24
Inorganics													
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 0.5	< 1.2	< 1.2	< 1.0	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 0.6	< 1.5	< 1.5	< 0.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 1.4	< 3.4	< 3.4	< 0.6	< 3.4	< 3.4	4.3	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 1.4	< 3.4	< 3.4	< 1.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 1.4	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 0.6	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 1.4	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs													
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	0.04	< 0.03	< 0.03	< 0.03	< 0.03	0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	0.05	< 0.03	< 0.03	< 0.03	< 0.03	0.06	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	0.04	< 0.03	< 0.03	< 0.03	< 0.03	0.05	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	0.13	< 0.10	< 0.10	< 0.03	< 0.10	0.12	< 0.10	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**



Exceeds GAC
Exceeds LOD

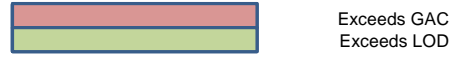
Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 5
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_66_TP	LB_21_73_BH	LB_21_74_BH	LB_21_92_TP	LB_21_93_CPT	LB_21_95_BH
Depth	0.4	0.7	0.9	0.20-0.30	1	0.4
Sample Type	ES	ES	ES	ES	ES	ES
Sampled Date	24/11/2021	07/10/2021	15/10/2021	25/10/2021	25/10/2021	27/10/2021
Sample Received Date	-	-	-	-	-	-
Sample No	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC	LB_21_66_TP	LB_21_73_BH	LB_21_74_BH	LB_21_92_TP	LB_21_93_CPT	LB_21_95_BH
Metals										
Arsenic	mg/kg	0.2	170	0	8.1	7.6	7.6	15	7.5	7.8
Cadmium	mg/kg	0.1	532	0	< 0.1	0.1	0.1	0.5	0.1	0.2
Chromium	mg/kg	0.15	33000	0	26	22	22	20	28	16
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	14	22	21	32	22	16
Lead	mg/kg	0.3	1300	0	14	14	16	63	9	28
Mercury	mg/kg	0.05	240	0	< 0.05	< 0.05	< 0.05	0.35	< 0.05	0.06
Nickel	mg/kg	1	3400	0	14	18	23	17	29	15
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	30	36	49	81	41	44
Inorganics										
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.5
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 0.6
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 1.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 1.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs										
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	< 0.03	0.04	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	0.04	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	0.05	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	0.14	0.15	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	0.22	0.15	< 0.10

Generic Risk Assessment - Soils

Lab Data Screening

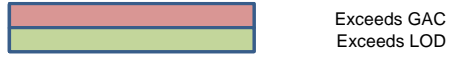


Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 6
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Made Ground/Topsoil
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_79_TP	LB_21_80_TP	LB_21_82_TP	LB_21_83_TP	LB_21_84_TP	LB_21_87_TP	LB_21_89_TP
Depth	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30
Sample Type	ES	ES	ES	ES	ES	ES	ES
Sampled Date	19/10/2021	19/10/2021	18/10/2021	21/12/10	21/12/10	13/10/2021	13/10/2021
Sample Received Date	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-
Strata / Zone	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil	Made Ground/Topsoil

Test	Units	LOD	Selected GAC	No. Above GAC	LB_21_79_TP	LB_21_80_TP	LB_21_82_TP	LB_21_83_TP	LB_21_84_TP	LB_21_87_TP	LB_21_89_TP
Metals					-	-	-	-	-	-	-
Arsenic	mg/kg	0.2	170	0	8.9	11	7.8	9.8	9.6	11	9.6
Cadmium	mg/kg	0.1	532	0	0.2	0.3	0.6	0.3	0.3	0.4	0.5
Chromium	mg/kg	0.15	33000	0	22	26	16	17	23	21	20
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	16	23	24	16	18	29	30
Lead	mg/kg	0.3	1300	0	89	88	110	100	130	130	220
Mercury	mg/kg	0.05	240	0	< 0.05	0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	17	16	12	12	17	18	16
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	89	63	97	58	63	89	100
Inorganics					-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	2.7
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs					-	-	-	-	-	-	-
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	0.06	0.06	0.06	< 0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Generic Risk Assessment - Soils
Lab Data Screening

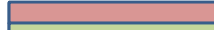



Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 6
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_77_BH	LB_21_78_BH	LB_21_81_BH	LB_21_85_BH	LB_21_88_BH
Depth	0.60-0.70	0.35	0.35	0.60-0.70	0.6
Sample Type	ES	ES	ES	SOIL	ES
Sampled Date	18/10/2021	28/10/2021	21/02/11	21/07/10	21/12/10
Sample Received Date	-	-	-	-	-
Sample No	-	-	-	-	-
Batch Number	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC					
Metals					-	-	-	-	-
Arsenic	mg/kg	0.2	170	0	11	8.4	8.7	6.1	7.9
Cadmium	mg/kg	0.1	532	0	1.4	< 0.1	< 0.1	< 0.1	< 0.1
Chromium	mg/kg	0.15	33000	0	27	21	27	22	26
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	23	20	21	16	15
Lead	mg/kg	0.3	1300	0	49	27	14	9.2	33
Mercury	mg/kg	0.05	240	0	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	23	16	18	23	27
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	160	39	34	30	40
Inorganics					-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	11
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	14
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	33
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	5.5
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	74
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	74
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	< 1.50	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	< 1.20	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	< 1.50	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	14.04	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	< 3.40	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	< 3.40	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs					-	-	-	-	-
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	0.05	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	0.05	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	0.05	< 0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	0.16	< 0.10	< 0.10	< 0.10

**Generic Risk Assessment - Soils
Lab Data Screening**

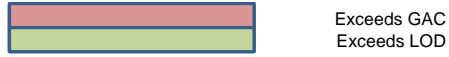
 Exceeds GAC
 Exceeds LOD

Sample ID	LB_21_301_TP	LB_21_302_TP	LB_21_309_TP	LB_21_310_TP
Depth	0.30-0.40	0.30-0.40	0.10-0.30	0.20-0.30
Sample Type	ES	ES	ES	ES
Sampled Date	23/02/2022	23/02/2022	28/02/2022	28/02/2022
Sample Received Date	-	-	-	-
Sample No	-	-	-	-
Batch Number	-	-	-	-
Strata / Zone	Topsoil	Topsoil	Topsoil	Topsoil

Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 7
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Topsoil
Selected Screening Value and Land Use	S4UL - POS2

Test	Units	LOD	Selected GAC	No. Above GAC				
Metals					-	-	-	-
Arsenic	mg/kg	0.2	170	0	12	9.2	6.7	10
Cadmium	mg/kg	0.1	532	0	0.5	0.6	0.4	0.4
Chromium	mg/kg	0.15	33000	0	24	26	19	25
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	20	17	16	28
Lead	mg/kg	0.3	1300	0	150	140	57	39
Mercury	mg/kg	0.05	240	0	0.05	< 0.05	< 0.05	0.07
Nickel	mg/kg	1	3400	0	16	18	17	33
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	100	110	57	55
Inorganics					-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01
PAHs					-	-	-	-
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	< 0.10

Generic Risk Assessment - Soils
Lab Data Screening



Client Name	ENI UK Ltd
Site Name	LBA CCS Transportation and Storage - Section 7
Job Number	F190089
Date	12/07/2022
Description of Data Assessment / Zoning	Natural Ground
Selected Screening Value and Land Use	S4UL - POS2

Sample ID	LB_21_303_TP	LB_21_304_TP	LB_21_305_TP	LB_21_306_TP	LB_21_307_TP	LB_21_308_TP	LB_21_311_TP
Depth	0.50-0.60	0.50-0.50	0.60-0.70	0.70-0.80	0.40-0.50	0.40-0.60	0.5
Sample Type	ES	ES	ES	ES	ES	ES	ES
Sampled Date	24/02/2022	22/02/2022	24/02/2022	24/02/2022	24/02/2022	24/02/2022	22/01/03
Sample Received Date	-	-	-	-	-	-	-
Sample No	-	-	-	-	-	-	-
Batch Number	-	-	-	-	-	-	-
Strata / Zone	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground	Natural Ground

Test	Units	LOD	Selected GAC	No. Above GAC							
Metals											
Arsenic	mg/kg	0.2	170	0	22	9.2	5.4	13	7.6	8.8	5.8
Cadmium	mg/kg	0.1	532	0	2.5	0.4	0.1	2.4	0.3	0.5	0.2
Chromium	mg/kg	0.15	33000	0	25	17	28	28	14	18	16
Hexavalent Chromium	mg/kg	1	220	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	mg/kg	0.2	44000	0	47	17	35	28	14	20	12
Lead	mg/kg	0.3	1300	0	420	65	14	130	170	160	37
Mercury	mg/kg	0.05	240	0	0.1	< 0.05	< 0.05	0.06	< 0.05	< 0.05	< 0.05
Nickel	mg/kg	1	3400	0	31	16	31	32	13	23	18
Selenium	mg/kg	0.5	1800	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	mg/kg	1	170000	0	380	68	63	150	64	87	40
Inorganics											
Aliphatics >C12-C16	mg/kg	1.2	25000	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-C21	mg/kg	1.5	-	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-C34	mg/kg	3.4	-	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-C44	mg/kg	3.4	450000	0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Total aliphatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >EC5-EC7	mg/kg	0.01	76000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC7-EC8	mg/kg	0.01	87000	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC8-EC10	mg/kg	0.01	7200	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total aromatics Aliphatics >C10-44	mg/kg	10	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aliphatics >C10-C12	mg/kg	1.5	21000	0	-	-	-	-	-	-	-
Aliphatics >C12-C16	mg/kg	1.2	25000	0	-	-	-	-	-	-	-
Aliphatics >C16-C21	mg/kg	1.5	-	0	-	-	-	-	-	-	-
Aliphatics >C21-C35	mg/kg	3.4	-	0	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-
Aliphatics >C35-C44	mg/kg	3.4	450000	0	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-
Aromatics >EC10-EC12	mg/kg	0.9	9200	0	-	-	-	-	-	-	-
Aromatics >EC12-EC16	mg/kg	0.5	10000	0	-	-	-	-	-	-	-
Aromatics >EC16-EC21	mg/kg	0.6	7600	0	-	-	-	-	-	-	-
Aromatics >EC21-EC35	mg/kg	1.4	7800	0	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-
Aromatics >EC35-EC44	mg/kg	1.4	7800	0	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-
Total aromatics C5-44	mg/kg	10	-	0	-	-	-	-	-	-	-
GRO (C6-C10)	mg/kg	0.1	-	0	< 0.1	< 0.1	< 0.1	0.3	< 0.1	< 0.1	< 0.1
Methyl Tertiary Butyl Ether	mg/kg	0.01	ND	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs											
Naphthalene	mg/kg	0.03	1200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0.03	29000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0.03	20000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0.03	6200	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Anthracene	mg/kg	0.03	150000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0.03	6300	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Pyrene	mg/kg	0.03	15000	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	mg/kg	0.03	49	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Chrysene	mg/kg	0.03	93	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	mg/kg	0.03	13	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(k)fluoranthene	mg/kg	0.03	370	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0.03	11	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Indeno(123cd)pyrene	mg/kg	0.03	150	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
dibenzo(ah)anthracene	mg/kg	0.03	1.1	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(ghi)perylene	mg/kg	0.03	1400	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
PAH 16 Total	mg/kg	0.1	-	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Summary of Groundwater Quality Data
TPHCWG Results

Borehole Number			LB_21_01_BH	LB_21_02_BH	LB_21_05_BH	LB_21_109_BH	LB_21_110_BH	LB_21_11_BH	LB_21_114_BH	LB_21_160_BH	LB_21_19_BH	LB_21_44_BH	LB_21_55_BH	LB_21_63_BH	LB_21_64_BH	LB_21_203_BH
Sample Depth (m)			12.5	10	16	5	8	N/A	8	13	7	17	8	9.5	15	N/A
Well Screen Stratum			CHF	CHF	CHF	MG/CM	GT	GS	GT	TFD	GFD	TFD	TFD	GFD/CM	CM	GS
Well Screen Zone (m)	Units	WQS	3.5-12.5	8.0-10.0	14.0-16.0	3.0-5.2	1.0-8.0	-	6.0-8.0	4.0-16	2.0-8.0	15.0-18.0	6.0-8.0	3.5-10.0	14.0-16.0	-
pH	pH units	-	7.77	7.01	7.60	6.98	7.66	4.56	7.78	7.83	7.22	7.38	7.42	7.27	7.59	6.71
Arsenic	ug/l	10	0.48	-	0.64	-	-	0.79	-	5.31	3.80	2.31	-	-	-	2.58
Boron	ug/l	-	27.82	-	20.02	-	-	166.20	-	274.04	43.07	734.75	-	-	-	327.85
Cadmium	ug/l	5	0.36	-	0.49	-	-	0.85	-	0.30	0.02	0.01	-	-	-	0.06
Chromium	ug/l	50	0.05	-	0.03	-	-	4.00	-	0.10	0.21	0.26	-	-	-	1.60
Copper	ug/l	2000	1.50	-	0.43	-	-	4.80	-	0.07	0.13	0.11	-	-	-	4.90
Lead	ug/l	10	0.02	-	0.02	-	-	2.53	-	0.02	0.06	0.06	-	-	-	2.25
Magnesium	mg/l	-	14.92	20.90	39.35	31.00	28.10	-	23.90	15.09	10.57	109.10	39.60	14.80	14.20	-
Mercury	ug/l	1	0.06	-	0.01	-	-	0.01	-	0.03	0.00	0.00	-	-	-	0.01
Nickel	ug/l	4	2.82	-	1.12	-	-	32	-	1.55	2.16	1.04	-	-	-	18
Zinc	ug/l	500	4.57	-	2.23	-	-	368.90	-	0.43	64.02	45.65	-	-	-	155.50
Total Organic Carbon	mg/l	-	3.58	4.99	32.36	4.84	-	-	99.87	2287.75	3.16	664.12	5.23	0.97	0.98	329.93
BOD (total, 5 day)	mg/l	-	219.64	3.56	3.24	16.36	0.60	-	14.92	224.04	-	-	-	1.80	3.48	-
Chemical oxygen demand	mg/l	-	91.20	19.80	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/l	50	0.56	105	6.66	2.78	4.44	-	0.69	0.18	0.50	0.11	0.08	8.01	4.95	-
Chloride	mg/l	250	62.72	23.15	50.95	8.79	54.04	-	40.17	418	11.68	1448	175.57	18.99	23.01	-
Phenol (Monohydric)	mg/l	0.0077	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
Acenaphthene	ug/l	-	0.08910	-	0.00870	-	-	0.00210	-	0.00720	0.00190	0.00230	-	-	-	0.00390
Acenaphthylene	ug/l	-	0.02460	-	0.00280	-	-	0.00090	-	0.00100	0.00090	0.00080	-	-	-	0.00260
Anthracene	ug/l	-	0.00000	-	0.00000	-	-	0.00590	-	0.00160	0.00050	0.00680	-	-	-	0.00440
Benzo (g,h,i) perylene	ug/l	0.10	0.04900	-	0.00810	-	-	0.00640	-	0.00140	0.00000	0.00120	-	-	-	0.00000
Benzo(a)anthracene	ug/l	-	0.08610	-	0.01540	-	-	0.00220	-	0.00380	0.00090	0.00230	-	-	-	0.01190
Benzo(a)pyrene	ug/l	0.01	0.06330	-	0.01110	-	-	0.00000	-	0.00550	0.00150	0.00130	-	-	-	0.00000
Benzo(b)fluoranthene	ug/l	0.10	0.14220	-	0.02570	-	-	0.00000	-	0.00100	0.00000	0.00140	-	-	-	0.00000
Benzo(k)fluoranthene	ug/l	0.10	0.03330	-	0.00720	-	-	0.00000	-	0.00060	0.00000	0.00000	-	-	-	0.00000
Chrysene	ug/l	-	0.09370	-	0.01430	-	-	0.00200	-	0.00180	0.00070	0.00060	-	-	-	0.00000
Dibenz-a-h-anthracene	ug/l	-	0.01300	-	0.00000	-	-	0.00000	-	0.00000	0.00000	0.00000	-	-	-	0.00000
Fluoranthene	ug/l	-	0.21290	-	0.03940	-	-	0.00140	-	0.00650	0.00150	0.00140	-	-	-	0.02530
Fluorene	ug/l	-	0.07600	-	0.01420	-	-	0.00210	-	0.00350	0.00210	0.00260	-	-	-	0.00980
Indeno(1,2,3-cd)pyrene	ug/l	0.10	0.05090	-	0.00800	-	-	0.00470	-	0.00200	0.00230	0.00160	-	-	-	0.00000
Naphthalene	ug/l	2	0.54860	-	0.06190	-	-	0.01410	-	0.04580	0.01570	0.01430	-	-	-	0.02170
Phenanthrene	ug/l	-	0.39540	-	0.08500	-	-	0.00000	-	0.00970	0.00640	0.00620	-	-	-	0.04250
Pyrene	ug/l	-	0.20870	-	0.03840	-	-	0.00170	-	0.00810	0.00110	0.00140	-	-	-	0.02640
Pah, Total	ug/l	-	2.1	-	0.3	-	-	0.0	-	0.0	0.0	0.0	-	-	-	0.1
EPH >C10-40**	ug/l	-	552	-	22	-	-	70	-	1434	0	0	-	-	-	0

Key
All results reported in mg/l.

-	Not sampled/analysed or no WQS available
WQS	Water Quality Standard
888	Exceeds Water Quality Standards
888	Exceeds Detection Limit
0	Below Detection Limit
**	No WQS for EPH/TPH

Geology

TS	Topsoil
MG/CM	Made Ground / Coal Measures
TFD	Tidal Flat Deposits
GFD	Glacio-Fluvial Deposits
GT	Glacial Till
CHF/GT	Chester Formation/Glacial Till
CHF	Chester Formation
CM	Coal Measures
GS	Grab Sample during drilling



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_01_BH
Operator	JB	
Weather	Clear	

Steady State Gas Monitoring Record

Monitoring Round	1
Date	Monday 2022-03-14
Time	14:44

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	0.1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1011
Differential Pressure [mbar]	0.0
Datum	Ground level
Datum to GL [m]	0.00
Depth to Water [m BD]	0.90
Depth to Water [m BGL]	0.90
Depth to Base [m]	14.38

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	1
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	185.3
Steady VOC [ppm]	N/A

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	0
	Methane [%v/v]
Peak Value	0.4
Steady State Value	0.4
Calculated time to steady state	60
	CO2 [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	0
	Oxygen [%v/v]
Peak Value	21.1
Steady State Value	21
Calculated time to steady state	20

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	0	0.2	0.1	21.1	78.6
20	0	0.3	0.1	21	78.6
40	0	0.3	0.1	21	78.6
60		0.4	0.1	21	78.6
80		0.4	0.1	21	78.6
100		0.4	0.1	21	78.5
120		0.4	0.1	21	78.6
140		0.4	0.1	21	78.5
160		0.4	0.1	21	78.5
180		0.4	0.1	21	78.5
210		0.4	0.1	21	78.5
240		0.4	0.1	21	78.5
270		0.4	0.1	21	78.5
300		0.4	0.1	21	78.5

REMARKS

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Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	RC	LB_21_01_BH
Operator	JB	
Weather	Clear	

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Friday 2022-03-18
Time	09:02

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1042
Differential Pressure [mbar]	-0.21
Datum	Ground level
Datum to GL [m]	0.00
Depth to Water [m BD]	1.17
Depth to Water [m BGL]	1.17
Depth to Base [m]	14.30

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	1
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	271.7
Steady VOC [ppm]	NA

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	2.1
Steady State Value	2.1
Calculated time to steady state	30
	Methane [%v/v]
Peak Value	0.6
Steady State Value	0.5
Calculated time to steady state	100
	CO2 [%v/v]
Peak Value	0.4
Steady State Value	0.4
Calculated time to steady state	40
	Oxygen [%v/v]
Peak Value	21.02
Steady State Value	2.6
Calculated time to steady state	40

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	2.1	0.2	0.1	21.2	78.6
20	2.1	0.3	0.3	20.8	78.6
40	2.1	0.4	0.4	20.6	78.7
60		0.4	0.4	20.6	78.7
80		0.4	0.4	20.5	78.6
100		0.5	0.4	20.5	78.6
120		0.5	0.4	20.5	78.6
140		0.5	0.4	20.5	78.6
160		0.5	0.4	20.5	78.6
180		0.5	0.4	20.5	78.6
210		0.5	0.4	20.5	78.6
240		0.5	0.4	20.5	78.6
270		0.6	0.3	20.6	78.5
300		0.6	0.3	20.6	78.4

REMARKS

VOC not stable. Hydrocarbon odour on dip tape after water



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	RC	LB_21_01_BH
Operator	JB	
Weather	Sunny	

Steady State Gas Monitoring Record

Monitoring Round	3
Date	Wednesday 2022-03-23
Time	09:07

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	01
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1030
Differential Pressure [mbar]	0.07
Datum	Ground level
Datum to GL [m]	0.00
Depth to Water [m BD]	1.22
Depth to Water [m BGL]	1.22
Depth to Base [m]	14.20

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	1
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	175.2
Steady VOC [ppm]	N/A

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0.0
Steady State Value	0.0
Calculated time to steady state	0.0
	Methane [%v/v]
Peak Value	0.3
Steady State Value	0.3
Calculated time to steady state	60
	CO2 [%v/v]
Peak Value	0.4
Steady State Value	0.3
Calculated time to steady state	120
	Oxygen [%v/v]
Peak Value	20.3
Steady State Value	20.2
Calculated time to steady state	120

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	0	0.2	0.1	20.7	79
20	0	0.1	0.1	20.6	79.4
40	0	0.2	0.5	19.9	79.4
60	0	0.3	0.4	20	79.3
80	0	0.3	0.4	20	79.3
100	0	0.3	0.4	20.1	79.2
120	0	0.3	0.3	20.1	79.2
140	0	0.3	0.3	20.2	79.2
160	0	0.3	0.3	20.2	79.2
180	0	0.3	0.3	20.2	79.2
210	0	0.3	0.3	20.2	79.2
240	0	0.3	0.3	20.3	79.2
270	0	0.3	0.3	20.3	79.2
300	0	0.3	0.2	20.3	79.2

REMARKS
VOC not stable



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_01_BH
Operator	NR CH	
Weather	Overcast, breezy	

Steady State Gas Monitoring Record

Monitoring Round	4
Date	Wednesday 2022-03-30
Time	09:03

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA2000
Serial Number	GA10611
PID Serial Number	T-108071

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	14.50
Atmospheric Pressure [mbar]	1012
Differential Pressure [mbar]	+0.14
Datum	Ground level
Datum to GL [m]	0.00
Depth to Water [m BD]	0.82
Depth to Water [m BGL]	0.82
Depth to Base [m]	14.18

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	2
Hydrogen Sulphide (H2S) [ppm]	<1
Peak VOC [ppm]	<0.1
Steady VOC [ppm]	<0.1

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	20
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	20
	CO2 [%v/v]
Peak Value	1
Steady State Value	0.9
Calculated time to steady state	120
	Oxygen [%v/v]
Peak Value	19.4
Steady State Value	19.1
Calculated time to steady state	100

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
20	0	0	1	19.4	79.5
40	0	0	1	19	79.9
60	0	0	1	19	79.9
80		0	1	19	79.9
100		0	1	19.1	79.7
120		0	0.9	19.1	79.8
150		0	0.9	19.1	79.8
180		0	0.9	19.1	79.8

REMARKS

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Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	RC	LB_21_02_BH
Operator	LT	
Weather	Cloudy	

Steady State Gas Monitoring Record

Monitoring Round	1
Date	Thursday 2021-12-16
Time	13:40

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501108
PID Serial Number	T-118424

MONITORING POINT	
Monitoring Point Reference	1
Monitoring Point Distance [m]	0.00
Atmospheric Pressure [mbar]	1036
Differential Pressure [mbar]	0
Datum	Cover Level
Depth to Water [m]	4.10
Depth to Base [m]	10.42

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	4
Hydrogen Sulphide (H2S) [ppm]	3
Peak VOC [ppm]	0
Steady VOC [ppm]	0

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	45 seconds
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	120 seconds
	CO2 [%v/v]
Peak Value	0.3
Steady State Value	0.3
Calculated time to steady state	120 seconds
	Oxygen [%v/v]
Peak Value	20.1
Steady State Value	20.1
Calculated time to steady state	120 seconds

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	0	0	0.3	20.1	79.6
15	0	0	0.3	20.1	79.6
30	0	0	0.3	20.1	79.6
45	0	0	0.3	20.1	79.6
60	0	0	0.3	20.1	79.6
90	0	0	0.3	20.1	79.6
120	0	0	0.3	20.1	79.6

REMARKS
Unchecked field data.



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	RC	LB_21_02_BH
Operator	LT	
Weather	Cloudy	

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Monday 2021-12-20
Time	16:05

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501108
PID Serial Number	T-118424

MONITORING POINT	
Monitoring Point Reference	1
Monitoring Point Distance [m]	0.00
Atmospheric Pressure [mbar]	1026
Differential Pressure [mbar]	0
Datum	Cover Level
Depth to Water [m]	0
Depth to Base [m]	0

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	3
Hydrogen Sulphide (H2S) [ppm]	2
Peak VOC [ppm]	0
Steady VOC [ppm]	0

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0.0
Steady State Value	0.0
Calculated time to steady state	45 seconds
	Methane [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	120 seconds
	CO2 [%v/v]
Peak Value	0.4
Steady State Value	0.4
Calculated time to steady state	120
	Oxygen [%v/v]
Peak Value	19.8
Steady State Value	19.8
Calculated time to steady state	120

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	0	0.1	0.4	19.8	79.8
15	0	0.1	0.4	19.8	79.8
30	0	0.1	0.4	19.8	79.8
45	0	0.1	0.4	19.8	79.8
60	0	0.1	0.4	19.8	79.8
90	0	0.1	0.4	19.8	79.8
120	0	0.1	0.4	19.8	79.8

REMARKS
Unchecked field data



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	RC	LB_21_114_BH
Operator	Sunny	
Weather	Marc Roberts	

Steady State Gas Monitoring Record

Monitoring Round	1
Date	Monday 2021-12-06
Time	15:36

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501108
PID Serial Number	T-118424

MONITORING POINT	
Monitoring Point Reference	1
Monitoring Point Distance [m]	0.00
Atmospheric Pressure [mbar]	1001
Differential Pressure [mbar]	-0.50
Datum	Cover Level
Depth to Water [m]	0.60
Depth to Base [m]	8.66

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	2
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0
Steady VOC [ppm]	0

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	15
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	15
	CO2 [%v/v]
Peak Value	0.2
Steady State Value	0.2
Calculated time to steady state	15
	Oxygen [%v/v]
Peak Value	20.2
Steady State Value	20.1
Calculated time to steady state	15

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	0	0	0.2	20.2	79.5
15	0	0	0.2	20.2	79.5
30	0	0	0.2	20.2	79.5
45	0	0	0.2	20.2	79.6
60	0	0	0.2	20.1	79.6

REMARKS
Gas analyser automatically stopped pumping after 1 minute, likely due to high standing water level.



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	RC	LB_21_114_BH
Operator	LT	
Weather	Cloudy	

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Tuesday 2021-12-14
Time	15:38

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501108
PID Serial Number	T-118424

MONITORING POINT	
Monitoring Point Reference	1
Monitoring Point Distance [m]	0.00
Atmospheric Pressure [mbar]	1024
Differential Pressure [mbar]	0
Datum	Cover Level
Depth to Water [m]	0.72
Depth to Base [m]	8.66

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	0.1
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	20.4
Steady VOC [ppm]	20.3

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0.0
Steady State Value	0.0
Calculated time to steady state	15
	Methane [%v/v]
Peak Value	0.0
Steady State Value	0.0
Calculated time to steady state	15
	CO2 [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	15
	Oxygen [%v/v]
Peak Value	20.4
Steady State Value	20.3
Calculated time to steady state	15

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	0	0	0.1	0	0
15	0	0	0.1	20.3	79.5
30	0	0	0.1	20.3	79.5
45	0	0	0.1	20.3	79.5
60	0	0	0.1	20.3	79.5
90	0	0	0.1	20.3	79.5
120	0	0	0.1	20.3	79.5

REMARKS

Unchecked field data.



Project Name	LBA CCS Transport and Storage Project
Project Reference	F190089
Location ID	RC LB_21_16_BH
Operator	Peter Gaynor/ HEATHER TAIT
Weather	Cold dry, light wind, damp ground

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Wednesday 2022-04-13
Time	14:00

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
 If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501909
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	12.00
Atmospheric Pressure [mbar]	1013
Differential Pressure [mbar]	-5.44
Datum	Cover Level
Datum to GL [m]	0.60
Depth to Water [m BD]	9.76
Depth to Water [m BGL]	9.16
Depth to Base [m]	12.43

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	1
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0.6
Steady VOC [ppm]	0.3

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	-2.1
Steady State Value	-2.0
Calculated time to steady state	60
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	15
	CO2 [%v/v]
Peak Value	1.6
Steady State Value	1.5
Calculated time to steady state	900
	Oxygen [%v/v]
Peak Value	21.3
Steady State Value	16.5
Calculated time to steady state	900

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
15		0	0.1	21.3	79.4
30		0	0.7	18.6	80.9
45		0	0.8	18.1	81.1
60		0	0.8	18	81.2
75		0	0.8	17.9	81.2
90		0	0.8	17.9	81.3
105		0	0.8	17.9	81.3
120		0	0.8	17.9	81.3
135		0	0.8	17.9	81.3
150		0	0.8	17.9	81.3
165		0	0.8	17.9	81.4
180		0	0.8	17.9	81.3
240		0	0.8	17.9	81.3
300		0	0.8	17.8	81.3
360		0	0.9	17.7	81.4
420		0	1	17.6	81.4
480		0	1.1	17.5	81.4
540		0	1.2	17.3	81.5
600		0	1.4	17.1	81.5
800		0	1.6	16.7	81.7
900		0	1.6	16.5	81.9
1200		0	1.5	16.6	81.9

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	RC	LB_21_19_BH
Operator	Peter Gaynor/ Heather Tait	
Weather	Warm dry light wind damp ground	

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Wednesday 2022-04-13
Time	14:50

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501909
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	9.00
Atmospheric Pressure [mbar]	1015
Differential Pressure [mbar]	2.05
Datum	Cover Level
Datum to GL [m]	0.43
Depth to Water [m BD]	1.01
Depth to Water [m BGL]	0.58
Depth to Base [m]	8.71

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	3
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	1.5
Steady VOC [ppm]	1.4

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0.2
Steady State Value	0.2
Calculated time to steady state	60
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	15
	CO2 [%v/v]
Peak Value	0.4
Steady State Value	30
Calculated time to steady state	15
	Oxygen [%v/v]
Peak Value	20.8
Steady State Value	20.4
Calculated time to steady state	90

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
15		0	0.3	20.8	78.1
30		0	0.4	20.6	79
45		0	0.4	20.5	79.1
60		0	0.4	20.5	79.1
75		0	0.4	20.5	79.1
90		0	0.4	20.4	79.1
105		0	0.4	20.4	79.2
120		0	0.4	20.4	79.2
135		0	0.4	20.4	79.2
150		0	0.4	20.4	79.2

REMARKS
TEST ABANDONED AT 160 SECONDS DUE TO WATER INGRESS TO PIPE NOT YET AT MINIMUM TIME, SO STEADY STATE RECORDED AS NSS DIVER INSTALLED at15:01



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_110_BH
Operator	JB	
Weather	Clear	

Steady State Gas Monitoring Record

Monitoring Round	1
Date	Monday 2022-03-07
Time	14:30

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
 If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1021
Differential Pressure [mbar]	-0.83
Datum	Top of Pipe
Datum to GL [m]	0.65
Depth to Water [m BD]	0.69
Depth to Water [m BGL]	0.04
Depth to Base [m]	8.55

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	0
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0.1
Steady VOC [ppm]	0.1

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0.5
Steady State Value	0.5
Calculated time to steady state	20
	Methane [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	20
	CO2 [%v/v]
Peak Value	0.2
Steady State Value	0.2
Calculated time to steady state	20
	Oxygen [%v/v]
Peak Value	20.8
Steady State Value	20.7
Calculated time to steady state	40

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0		0.1	0.2	20.8	
20		0.1	0.2	20.8	
40		0.1	0.2	20.7	
60		0.1	0.2	20.6	
80		0.1	0.2	20.6	
100		0.1	0.2	20.6	
120		0.1	0.2	20.6	
150		0.1	0.2	20.6	
180		0.1	0.2	20.6	
210		0.1	0.2	20.6	
240		0.1	0.2	20.7	
270		0.1	0.2	20.7	
300		0.1	0.2	20.7	

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_110_BH
Operator	JB	
Weather	Clear	

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Monday 2022-03-14
Time	12:42

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
 If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1022
Differential Pressure [mbar]	0
Datum	Top of Pipe
Datum to GL [m]	0.64
Depth to Water [m BD]	0.74
Depth to Water [m BGL]	0.10
Depth to Base [m]	8.50

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	0
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0.9
Steady VOC [ppm]	0.9

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	0
	Methane [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	0
	CO2 [%v/v]
Peak Value	0.2
Steady State Value	0.2
Calculated time to steady state	0
	Oxygen [%v/v]
Peak Value	20.9
Steady State Value	20.8
Calculated time to steady state	40

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0		0.1	0.2	21	78.8
20		0.1	0.2	20.9	78.8
40		0.1	0.2	20.8	78.9
60		0.1	0.2	20.8	78.9
80		0.1	0.2	20.8	78.9
100		0.1	0.2	20.8	78.9
120		0.1	0.2	20.8	78.9
140		0.1	0.2	20.8	78.9
160		0.1	0.2	20.8	78.9
180		0.1	0.1	20.8	78.9
210		0.1	0.1	20.8	78.9
240		0.1	0.1	20.8	79
270		0.1	0.1	20.8	79
300		0.1	0.1	20.8	79

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_110_BH
Operator	JB PG	
Weather	Sunny	

Steady State Gas Monitoring Record

Monitoring Round	3
Date	Thursday 2022-03-24
Time	16:16

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
 If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1029
Differential Pressure [mbar]	0.29
Datum	Cover Level
Datum to GL [m]	0.65
Depth to Water [m BD]	0.68
Depth to Water [m BGL]	0.03
Depth to Base [m]	8.56

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	2
Hydrogen Sulphide (H2S) [ppm]	1
Peak VOC [ppm]	18.5
Steady VOC [ppm]	18.4

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	-0.2
Steady State Value	-0.2
Calculated time to steady state	0
	Methane [%v/v]
Peak Value	0.1
Steady State Value	0.0
Calculated time to steady state	180
	CO2 [%v/v]
Peak Value	0.3
Steady State Value	0.2
Calculated time to steady state	100
	Oxygen [%v/v]
Peak Value	20.6
Steady State Value	20.3
Calculated time to steady state	120

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0		0.1	0.1	20.6	79.2
20		0.1	0.3	20.3	79.4
40		0.1	0.3	20.3	79.4
60		0.1	0.3	20.2	79.5
80		0.1	0.3	20.2	79.5
100		0.1	0.2	20.2	79.5
120		0.1	0.2	20.3	79.5
140		0.1	0.2	20.3	79.5
160		0.1	0.2	20.3	79.4
180		0	0.2	20.3	79.4
210		0	0.2	20.4	79.4
240		0	0.2	20.4	79.4
270		0	0.1	20.4	79.4
300		0	0.1	20.4	79.4

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_110_BH
Operator	NR CH	
Weather	Overcast, breezy	

Steady State Gas Monitoring Record

Monitoring Round	4
Date	Wednesday 2022-03-30
Time	13:01

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA2000
Serial Number	GA10611
PID Serial Number	T-108071

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	8.00
Atmospheric Pressure [mbar]	1012
Differential Pressure [mbar]	+0.48
Datum	Cover Level
Datum to GL [m]	0.66
Depth to Water [m BD]	0.80
Depth to Water [m BGL]	0.14
Depth to Base [m]	8.51

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	<1
Hydrogen Sulphide (H2S) [ppm]	<1
Peak VOC [ppm]	<0.1
Steady VOC [ppm]	<0.1

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	7
Steady State Value	7
Calculated time to steady state	20
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	20
	CO2 [%v/v]
Peak Value	0.4
Steady State Value	0.4
Calculated time to steady state	20
	Oxygen [%v/v]
Peak Value	20.6
Steady State Value	20.6
Calculated time to steady state	20

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
20	7	0	0.4	20.6	79
40	7	0	0.4	20.6	79
60	7	0	0.4	20.6	79
80		0	0.4	20.6	79
100		0	0.4	20.6	79
120		0	0.4	20.6	79
150		0	0.4	20.6	79
180		0	0.4	20.6	79

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	RC	LB_21_47_BH
Operator	M WOODS	
Weather	Light rain	

Steady State Gas Monitoring Record

Monitoring Round	1
Date	Tuesday 2022-04-12
Time	15:11

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
 If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501909
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1004.1
Differential Pressure [mbar]	0.31
Datum	Ground level
Datum to GL [m]	0.00
Depth to Water [m BD]	2.47
Depth to Water [m BGL]	2.47
Depth to Base [m]	8.75

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	0.1
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0
Steady VOC [ppm]	0

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	NR
Steady State Value	NR
Calculated time to steady state	NR
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	15
	CO2 [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	15
	Oxygen [%v/v]
Peak Value	21.1
Steady State Value	21.1
Calculated time to steady state	15

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
15		0	0.1	21.1	
30		0	0.1	21.1	
45		0	0.1	21.1	
60		0	0.1	21.1	
75		0	0.1	21.1	
90		0	0.1	21.1	
105		0	0.1	21.1	
120		0	0.1	21.1	
135		0	0.1	21.1	
150		0	0.1	21.1	
165		0	0.1	21.1	
180		0	0.1	21.1	
240		0	0.1	21.1	
300		0	0.1	21.1	
360		0	0.1	21.1	
420		0	0.1	21.1	
480		0	0.1	21.1	
600		0	0.1	21.1	
2700		0	0.1	21.1	

REMARKS
NO FLOW READINGS ATM PRESSURE FROM RECORDS IN LIVERPOOL DUE TO LACK OF RECORDS Borehole name in record "Mr Wrenches"



Project Name	LBA CCS Transport and Storage Project
Project Reference	F190089
Location ID	CP LB_21_55_BH
Operator	Marc Roberts
Weather	Sunny

Steady State Gas Monitoring Record

Monitoring Round	1
Date	Monday 2021-12-06
Time	15:21

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501108
PID Serial Number	T-118424

MONITORING POINT	
Monitoring Point Reference	1
Monitoring Point Distance [m]	0.00
Atmospheric Pressure [mbar]	1003
Differential Pressure [mbar]	-0.03
Datum	Cover Level
Depth to Water [m]	1.21
Depth to Base [m]	8.76

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	3
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0
Steady VOC [ppm]	0

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	15 seconds
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	15 seconds
	CO2 [%v/v]
Peak Value	1.4
Steady State Value	1.4
Calculated time to steady state	15 seconds
	Oxygen [%v/v]
Peak Value	19.3
Steady State Value	19.3
Calculated time to steady state	15 seconds

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	0	0	0.4	20.1	79.2
15	0	0	1.4	19.9	78.7
30	0	0	1.4	19.4	79.2
45	0	0	1.4	19.4	79.2
60	0	0	1.4	19.4	79.2
90	0	0	1.4	19.3	79.3
120	0	0	1.4	19.3	79.3

REMARKS
Gas analyser automatically stopped pumping after 2 minutes.



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_55_BH
Operator	LT	
Weather	Cloudy	

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Tuesday 2021-12-14
Time	16:10

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501108
PID Serial Number	T-118424

MONITORING POINT	
Monitoring Point Reference	1
Monitoring Point Distance [m]	0.00
Atmospheric Pressure [mbar]	1021
Differential Pressure [mbar]	0
Datum	Cover Level
Depth to Water [m]	1.01
Depth to Base [m]	8.76

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	2
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0
Steady VOC [ppm]	0

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	0
	Methane [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	120 Seconds
	CO2 [%v/v]
Peak Value	1.4
Steady State Value	0.7
Calculated time to steady state	120 Seconds
	Oxygen [%v/v]
Peak Value	20.1
Steady State Value	19.3
Calculated time to steady state	120 Seconds

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	0	0	0	0	0
15	0	0	0.6	19.2	80
30	0	0	0.7	19.3	80
45	0	0	0.8	19.2	80.1
60	0	0	0.6	19	79.9
90	0	0	1.4	18.8	80
120	0	0	0.7	19.1	80

REMARKS

Unchecked field data.



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_109_BH
Operator	Marc Roberts	
Weather	Overcast	

Steady State Gas Monitoring Record

Monitoring Round	1
Date	Monday 2021-12-06
Time	10:51

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501108
PID Serial Number	T-118424

MONITORING POINT	
Monitoring Point Reference	1
Monitoring Point Distance [m]	0.00
Atmospheric Pressure [mbar]	1001
Differential Pressure [mbar]	0.17
Datum	Cover Level
Depth to Water [m]	2.30
Depth to Base [m]	5.43

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	2
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0
Steady VOC [ppm]	0

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0.1
Steady State Value	0
Calculated time to steady state	2 minutes
	Methane [%v/v]
Peak Value	0.7
Steady State Value	0.3
Calculated time to steady state	2 minutes
	CO2 [%v/v]
Peak Value	0.7
Steady State Value	0.4
Calculated time to steady state	2 minutes
	Oxygen [%v/v]
Peak Value	19.6
Steady State Value	20.1
Calculated time to steady state	2 minutes

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	0	0	0.1	20.3	79.5
15	0	0.1	0.2	19.6	80.1
30	0	0.3	0.3	20.1	79.3
45	0	0.7	0.9	19.7	78.6
60	0	0.5	0.6	19.9	78.9
90	0	0.6	0.7	19.9	78.8
120	0	0.4	0.5	20.1	79.1

REMARKS
Gas analyser automatically stopped pumping after 2 minutes.



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_109_BH
Operator	LT	
Weather	Cloudy	

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Tuesday 2021-12-14
Time	10:05

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501108
PID Serial Number	T-118424

MONITORING POINT	
Monitoring Point Reference	1
Monitoring Point Distance [m]	0.00
Atmospheric Pressure [mbar]	1018
Differential Pressure [mbar]	0.21
Datum	Cover Level
Depth to Water [m]	1.43
Depth to Base [m]	5.43

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	2
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0
Steady VOC [ppm]	0

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0.3
Steady State Value	0.3
Calculated time to steady state	60 seconds
	Methane [%v/v]
Peak Value	5.2
Steady State Value	5.1
Calculated time to steady state	120 seconds
	CO2 [%v/v]
Peak Value	6.8
Steady State Value	6.6
Calculated time to steady state	120 seconds
	Oxygen [%v/v]
Peak Value	20.1
Steady State Value	16.0
Calculated time to steady state	120 second

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0	0	0	0	0	
15	0.3	4.9	6.4	13.6	
30	0.3	5.1	6.6	15.8	
45	0.3	5.2	6.7	18.3	
60	0.3	5.1	6.5	20	
90	0.3	5.1	6.6	15.2	
120	0.3	5	6.7	16.3	

REMARKS



Project Name	LBA CCS Transport and Storage Project
Project Reference	F190089
Location ID	CP LB_21_63_BH
Operator	JB
Weather	overcast

Steady State Gas Monitoring Record

Monitoring Round	1
Date	Thursday 2022-03-10
Time	11:18

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1004
Differential Pressure [mbar]	0
Datum	Cover Level
Datum to GL [m]	0.47
Depth to Water [m BD]	3.79
Depth to Water [m BGL]	3.32
Depth to Base [m]	10.1

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	0
Hydrogen Sulphide (H2S) [ppm]	1
Peak VOC [ppm]	11.2
Steady VOC [ppm]	11.2

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0.00
Steady State Value	0.00
Calculated time to steady state	0
	Methane [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	0.0
	CO2 [%v/v]
Peak Value	4.4
Steady State Value	4.4
Calculated time to steady state	990
	Oxygen [%v/v]
Peak Value	21
Steady State Value	16.2
Calculated time to steady state	960

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0		0.1	0.1	21	78.8
20		0.1	0.9	20.4	78.9
40		0.1	0.8	20	79.1
60		0.1	0.8	20	79.1
80		0.1	0.8	20	79.1
100		0.1	0.8	20	79.1
120		0.1	0.8	20	79.1
150		0.1	0.8	20.1	79.1
180		0.1	0.8	20.1	79.1
210		0.1	0.8	20.1	79.1
240		0.1	0.8	20.1	79.1
270		0.1	0.8	20.1	79.1
300		0.1	0.8	20.1	79.1
330		0.1	0.8	20.1	79.1
360		0.1	0.8	20.1	79.1
390		0.1	0.8	20.1	79.1
420		0.1	0.8	20.1	79.1
450		0.1	0.8	20.1	79.1
480		0.1	0.8	20.1	79.1
510		0.1	1.1	19.8	79.1
540		0.1	1.5	19.3	79.1
570		0.1	2.1	18.8	79.1
600		0.1	2.6	18.2	79.1
630		0.1	2.8	17.9	79.2
660		0.1	3.1	17.7	79.2
690		0.1	3.3	17.4	79.2
720		0.1	3.5	17.2	79.2
750		0.1	3.7	17	79.2
780		0.1	3.9	16.8	79.3
810		0.1	4	16.7	79.3
840		0.1	4	16.6	79.3
870		0.1	4.1	16.6	79.3
900		0.1	4.1	16.5	79.3
930		0.1	4.2	16.4	79.3
960		0.1	4.3	16.3	79.3
990		0.1	4.4	16.3	79.3
1020		0.1	4.4	16.2	79.3

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_63_BH
Operator	JB	
Weather	Clear	

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Monday 2022-03-14
Time	13:26

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1013
Differential Pressure [mbar]	0
Datum	Top of Pipe
Datum to GL [m]	0.47
Depth to Water [m BD]	4.34
Depth to Water [m BGL]	3.87
Depth to Base [m]	10.19

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	0
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0.9
Steady VOC [ppm]	0.9

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0.0
Steady State Value	0.0
Calculated time to steady state	0.0
	Methane [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	20
	CO2 [%v/v]
Peak Value	2
Steady State Value	0.7
Calculated time to steady state	100
	Oxygen [%v/v]
Peak Value	20.4
Steady State Value	20.3
Calculated time to steady state	140

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0		0	0.1	21	76.4
20		0.1	2	19.4	79.1
40		0.1	1.2	19.4	79.2
60		0.1	0.9	19.9	79.1
80		0.1	0.8	20	79.1
100		0.1	0.7	20.2	79
120		0.1	0.7	20.2	79
140		0.1	0.7	20.3	79
160		0.1	0.7	20.3	79
180		0.1	0.7	20.3	79
210		0.1	0.7	20.3	79
240		0.1	0.7	20.3	79
270		0.1	0.7	20.4	78.9
300		0.1	0.7	20.4	78.9

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_63_BH
Operator	JB ST	
Weather	Sunny	

Steady State Gas Monitoring Record

Monitoring Round	3
Date	Friday 2022-03-25
Time	08:36

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
 If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1022
Differential Pressure [mbar]	-0.02
Datum	Cover Level
Datum to GL [m]	0.46
Depth to Water [m BD]	4.12
Depth to Water [m BGL]	3.66
Depth to Base [m]	10.13

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	0
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	12.1
Steady VOC [ppm]	11.8

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	-0.1
Steady State Value	-0.1
Calculated time to steady state	0
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	20
	CO2 [%v/v]
Peak Value	2.4
Steady State Value	2.2
Calculated time to steady state	80
	Oxygen [%v/v]
Peak Value	18.2
Steady State Value	17.3
Calculated time to steady state	160

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
20		0	2.4	18.2	79.6
40		0	2.3	17.2	80.4
60		0	2.3	17.2	80.5
80		0	2.2	17.2	80.5
100		0	2.2	17.2	80.5
120		0	2.2	17.2	80.5
140		0	2.2	17.2	80.5
160		0	2.2	17.3	80.5
180		0	2.2	17.3	80.5
210		0	2.2	17.3	80.5
240		0	2.2	17.3	80.5
270		0	2.2	17.3	80.5
300		0	2.2	17.3	80.5

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_63_BH
Operator	NR CH	
Weather	Sunny	

Steady State Gas Monitoring Record

Monitoring Round	4
Date	Monday 2022-03-28
Time	14:08

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA2000
Serial Number	GA10611
PID Serial Number	T-108071

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	10.00
Atmospheric Pressure [mbar]	1015
Differential Pressure [mbar]	+0.51
Datum	Cover Level
Datum to GL [m]	0.50
Depth to Water [m BD]	4.07
Depth to Water [m BGL]	3.57
Depth to Base [m]	10.16

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	<1
Hydrogen Sulphide (H2S) [ppm]	<1
Peak VOC [ppm]	<0.1
Steady VOC [ppm]	<0.1

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	20
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	20
	CO2 [%v/v]
Peak Value	2.6
Steady State Value	2.6
Calculated time to steady state	20
	Oxygen [%v/v]
Peak Value	17.5
Steady State Value	17.3
Calculated time to steady state	40

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
20	0	0	2.6	17.5	79.9
40	0	0	2.6	17.3	80.1
60	0	0	2.6	17.3	80.1
80		0	2.6	17.3	80.1
100		0	2.6	17.3	80.1
120		0	2.6	17.3	80.1
150		0	2.6	17.3	80.1
180		0	2.6	17.3	80.1

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_64_BH
Operator	JB	
Weather	Overcast	

Steady State Gas Monitoring Record

Monitoring Round	1
Date	Thursday 2022-03-10
Time	10:54

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1003
Differential Pressure [mbar]	0.0
Datum	Cover Level
Datum to GL [m]	0.47
Depth to Water [m BD]	6.56
Depth to Water [m BGL]	6.09
Depth to Base [m]	15.2

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	3
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0.7
Steady VOC [ppm]	0.7

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0.0
Steady State Value	0.0
Calculated time to steady state	0.0
	Methane [%v/v]
Peak Value	0.2
Steady State Value	0.1
Calculated time to steady state	20
	CO2 [%v/v]
Peak Value	0.2
Steady State Value	0.2
Calculated time to steady state	330
	Oxygen [%v/v]
Peak Value	20.8
Steady State Value	20.7
Calculated time to steady state	20

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0		0.2	0.1	20.8	78.9
20		0.1	0.1	20.7	79
40		0.1	0.1	20.7	79
60		0.1	0.1	20.7	79
80		0.1	0.1	20.7	79
100		0.1	0.1	20.7	79
120		0.1	0.1	20.7	79
150		0.1	0.1	20.7	79
180		0.1	0.1	20.7	79
210		0.1	0.1	20.7	79
240		0.1	0.1	20.7	79
270		0.1	0.1	20.7	79
300		0.1	0.1	20.7	79
330		0.1	0.2	20.7	79
360		0.1	0.2	20.7	79
390		0.1	0.2	20.7	79
420		0.1	0.2	20.7	79
450		0.1	0.2	20.7	79
480		0.1	0.2	20.7	79
510		0.1	0.2	20.7	79

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_64_BH
Operator	JB	
Weather	Clear	

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Monday 2022-03-14
Time	13:15

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
 If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1013
Differential Pressure [mbar]	0.00
Datum	Top of Pipe
Datum to GL [m]	0.48
Depth to Water [m BD]	6.54
Depth to Water [m BGL]	6.06
Depth to Base [m]	15.17

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	4
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	1.6
Steady VOC [ppm]	1.6

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	0
	Methane [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	0
	CO2 [%v/v]
Peak Value	0.2
Steady State Value	0.2
Calculated time to steady state	0
	Oxygen [%v/v]
Peak Value	20.9
Steady State Value	20.8
Calculated time to steady state	40

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0		0.1	0.1	21	78
20		0.1	0.2	20.9	78.8
40		0.1	0.2	20.8	78.9
60		0.1	0.2	20.8	78.9
80		0.1	0.2	20.8	78.9
100		0.1	0.2	20.8	78.9
120		0.1	0.2	20.8	78.9
140		0.1	0.2	20.8	78.9
160		0.1	0.2	20.8	78.9
180		0.1	0.2	20.8	78.9
210		0.1	0.2	20.8	78.9
240		0.1	0.2	20.9	78.8
270		0.1	0.2	20.8	78.9
300		0.1	0.2	20.8	78.9

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_64_BH
Operator	JB ST	
Weather	Sunny	

Steady State Gas Monitoring Record

Monitoring Round	3
Date	Friday 2022-03-25
Time	08:08

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G500702
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	0.00
Atmospheric Pressure [mbar]	1022
Differential Pressure [mbar]	0.02
Datum	Cover Level
Datum to GL [m]	0.48
Depth to Water [m BD]	6.74
Depth to Water [m BGL]	6.26
Depth to Base [m]	15.28

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	2
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	14.9
Steady VOC [ppm]	13

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	0
	Methane [%v/v]
Peak Value	0.2
Steady State Value	0
Calculated time to steady state	80
	CO2 [%v/v]
Peak Value	0.2
Steady State Value	0.1
Calculated time to steady state	80
	Oxygen [%v/v]
Peak Value	20.6
Steady State Value	20.3
Calculated time to steady state	60

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
0		0.2	0.1	20.6	79.11
20		0.1	0.2	20.3	79.4
40		0.1	0.2	20.2	79.5
60		0.1	0.2	20.3	79.5
80		0	0.1	20.3	79.5
100		0	0.1	20.3	79.5
120		0	0.1	20.3	79.6
140		0	0.1	20.3	79.6
160		0	0.1	20.3	79.6
180		0	0.1	20.3	79.6
210		0	0.1	20.3	79.6
240		0	0.1	20.3	79.6
270		0	0.1	20.3	79.6
300		0	0.1	20.3	79.6

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_64_BH
Operator	NR CH	
Weather	Sunny	

Steady State Gas Monitoring Record

Monitoring Round	4
Date	Monday 2022-03-28
Time	15:34

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA2000
Serial Number	GA10611
PID Serial Number	T-108071

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	16.00
Atmospheric Pressure [mbar]	1012
Differential Pressure [mbar]	+3.62
Datum	Cover Level
Datum to GL [m]	0.47
Depth to Water [m BD]	6.65
Depth to Water [m BGL]	6.18
Depth to Base [m]	15.31

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	<1
Hydrogen Sulphide (H2S) [ppm]	<1
Peak VOC [ppm]	<0.1
Steady VOC [ppm]	<0.1

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	4.4
Steady State Value	4.4
Calculated time to steady state	60
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	20
	CO2 [%v/v]
Peak Value	0.2
Steady State Value	0.8
Calculated time to steady state	80
	Oxygen [%v/v]
Peak Value	20.6
Steady State Value	20.6
Calculated time to steady state	120

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
20	3.9	0	0.2	20.5	79.3
40	4.2	0	0.2	20.5	79.3
60	4.4	0	0.2	20.5	79.4
80	4.4	0	0.1	20.4	79.4
100	4.4	0	0.1	20.5	79.4
120		0	0.1	20.6	79.3
150		0	0.1	20.6	79.3
180		0	0.1	20.6	79.3

REMARKS



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	CP	LB_21_160_BH
Operator	NR CH	
Weather	Rain, breezy	

Steady State Gas Monitoring Record

Monitoring Round	1
Date	Wednesday 2022-03-30
Time	16:06

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA2000
Serial Number	GA10611
PID Serial Number	T-108071

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	15.00
Atmospheric Pressure [mbar]	1011
Differential Pressure [mbar]	-0.12
Datum	Cover Level
Datum to GL [m]	0.68
Depth to Water [m BD]	2.21
Depth to Water [m BGL]	1.53
Depth to Base [m]	13.82

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	<1
Hydrogen Sulphide (H2S) [ppm]	<1
Peak VOC [ppm]	<0.1
Steady VOC [ppm]	<0.1

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	0
Steady State Value	0
Calculated time to steady state	20
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	20
	CO2 [%v/v]
Peak Value	0.1
Steady State Value	0.1
Calculated time to steady state	20
	Oxygen [%v/v]
Peak Value	20.9
Steady State Value	20.9
Calculated time to steady state	20

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
20	0	0	0.1	20.9	79
40	0	0	0.1	20.9	79
60	0	0	0.1	20.9	79
80		0	0.1	20.9	79
100		0	0.1	20.9	79
120		0	0.1	20.9	79
150					

REMARKS



Project Name	LBA CCS Transport and Storage Project
Project Reference	F190089
Location ID	RC LB_21_160_BH
Operator	Mick Woods
Weather	clear, windy

Steady State Gas Monitoring Record

Monitoring Round	2
Date	Tuesday 2022-04-05
Time	13:40

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501909
PID Serial Number	NA

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	15.00
Atmospheric Pressure [mbar]	1005.7
Differential Pressure [mbar]	40.29
Datum	Top of Pipe
Datum to GL [m]	1.00
Depth to Water [m BD]	2.25
Depth to Water [m BGL]	1.25
Depth to Base [m]	13.20

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	0
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0
Steady VOC [ppm]	0

GAS SAMPLE	
ID	F-8JN8MB-VTFR
Number	1
Depth [m]	0.00

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	17.7
Steady State Value	12.3
Calculated time to steady state	2 minutes
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	2 minutes
	CO2 [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	2 minutes
	Oxygen [%v/v]
Peak Value	20.9
Steady State Value	20.8
Calculated time to steady state	2 minutes

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
20	12.3	0	0.1	21.3	
40	12.3	0	0.2	21	
60	12.3	0	0.2	20.9	
80	12.3	0	0.2	20.9	
100	12.3	0	0.2	20.9	
120	12.3	0	0.1	21	
140	12.3	0	0.1	21	
160	12.3	0	0.1	21	
180	12.3	0	0.1	20.9	
240	12.3	0	0.1	20.9	
300	12.3	0	0.1	20.8	
360	12.3	0	0.1	20.8	
420	12.3	0	0.1	20.8	
480	12.3	0	0.2	20.8	
540	12.3	0	0.1	20.8	
600	12.3	0	0.1	20.7	

REMARKS
PID not allowed on the site ATM pressure taken from liverpool weather station records, as no record on sheet



Project Name	LBA CCS Transport and Storage Project	
Project Reference	F190089	
Location ID	RC	LB_21_160_BH
Operator	M.Woods	
Weather	Light rain	

Steady State Gas Monitoring Record

Monitoring Round	3
Date	Tuesday 2022-04-12
Time	14:35

Steady State refers to the stabilisation of the readings and the become within 0.1% variation.
If results do not stabilise record final result as NSS (no steady state).

INSTRUMENT	
Type	GA5000
Serial Number	G501909
PID Serial Number	T-118425

MONITORING POINT	
Monitoring Point Reference	1
Tip Depth [m]	15.00
Atmospheric Pressure [mbar]	1002
Differential Pressure [mbar]	0.46
Datum	Cover Level
Datum to GL [m]	0.68
Depth to Water [m BD]	2.47
Depth to Water [m BGL]	1.79
Depth to Base [m]	13.57

ADDITIONAL GASSES	
Carbon Monoxide (CO) [ppm]	0.6
Hydrogen Sulphide (H2S) [ppm]	0
Peak VOC [ppm]	0.49
Steady VOC [ppm]	0.49

GAS SAMPLE	
ID	
Number	
Depth [m]	

STEADY STATE FINAL RESULTS	
	Flow [l/h]
Peak Value	na
Steady State Value	na
Calculated time to steady state	na
	Methane [%v/v]
Peak Value	0
Steady State Value	0
Calculated time to steady state	0
	CO2 [%v/v]
Peak Value	0.6
Steady State Value	0.5
Calculated time to steady state	420
	Oxygen [%v/v]
Peak Value	20.4
Steady State Value	20.4
Calculated time to steady state	0

STEADY STATE CONCENTRATIONS					
Time [sec]	Flow [l/h]	Methane [%v/v]	CO2 [%v/v]	Oxygen [%v/v]	Gas Bal [%]
15		0	0.2	20.4	
30		0	0.6	20.4	
45		0	0.6	20.4	
60		0	0.6	20.4	
75		0	0.6	20.4	
90		0	0.6	20.4	
105		0	0.6	20.4	
120		0	0.6	20.4	
135		0	0.6	20.4	
150		0	0.6	20.4	
165		0	0.6	20.4	
180		0	0.6	20.4	
240		0	0.6	20.4	
300		0	0.6	20.4	
360		0	0.6	20.4	
420		0	0.5	20.4	
480		0	0.5	20.4	
600		0	0.5	20.4	
900		0	0.5	20.4	
1200		0	0.5	20.4	
1500		0	0.5	20.4	
2700		0	0.5	20.4	

REMARKS
atmospheric pressure approximate, taken from nearby weather station records due to failure to record by technician no flow readings



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_01_BH
Monitoring Point	1	
Tip Depth [m]	14.50	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Wednesday 2022-03-30	
Operator	NR CH	
Datum	Ground level	Datum to GL [m] 0.00

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	08:00:00	08:00:00	08:00:00
Dissolved O2	18D100086	08:00:00	08:00:00	08:00:00
Conductivity	18D100086	08:00:00	08:00:00	08:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS						
	✓	✓	✓			
Date/Time	2022-03-30 09:16	2022-03-30 09:44	2022-03-30 10:12			
Flow-through Cell / Subsample	subSample	subSample	subSample			
Depth to Sampling Point [m BD]	12.50	12.50	12.50			
Depth to Sampling Point [m BGL]	12.50	12.50	12.50			
Depth to Water [m BD]	0.82	0.82	0.82			
Depth to Water [m BGL]	0.82	0.82	0.82			
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	105	210	315			
pH Value	7.71	7.68	7.66			
Electrical Conductivity [µS/cm]	568	524	553			
Dissolved Oxygen [%]	60.1	48.5	46.5			
Dissolved Oxygen [mg/l]	6.23	5.36	5.12			
Redox Potential Eh [mV]	39.1	33.2	29.5			
Total Dissolved Solids [ppm]	500.50	468.00	494.00			
Water Temperature [°C]	11.1	10.8	10.9			
Ambient Temperature [°C]	12	12	12			
Water Level Measured Before/During/After Monitoring and Sampling	during	during	during			



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_01_BH
Operator	NR CH	
Date	Wednesday 2022-03-30	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	09:08:51
Datum	Ground level	Datum to GL [m]	0.00
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	3.50	Standing Water [m BD] 0.82	[m BGL] 0.82
Response Zone Base [m BGL]	12.50	Standpipe Base Depth	[m BGL] 14.18

PURGING DETAILS								
Volume to be Purged (1 Well Volume) [litres]	Well	Time Completed	Water Level		Cumulative Volume Purged [litres]			
			[m BD]	[m BGL]				
105								
Number of Well Volumes to Purge	3	Volume						
Total Volume to be Purged [litres]	315	1st	09:16:00	0.82	0.82	105		
Depth of Purging Point [m BD]	12.50	[m BGL]	12.50	2nd	09:44:00	0.82	0.82	210
Equipment/Method	Waterra PP1		3rd	10:12:00	0.82	0.82	315	
Total Volume Purged (Actual) [litres]	315	4th						
One Screen Volume [litres]	18	5th						

SAMPLING DETAILS					
Equipment/Method	Waterra PP1		Description	Very cloudy, orangish brown. Strong paint/ hydrocarbon odour. Slight sheen, not thick enough to detect by interface probe.	
Time Completed	10:20:00		ID	F-FS8XLB-85CI	
Depth of Sampling Point [m BD]	12.50	[m BGL]	12.50	Number/Round	1
Water Level after Sampl. [m BD]	0.82	[m BGL]	0.82	Containers	2 x 1l Glass Bottle 2 x 1l Plastic Bottle 2 x Vial
Volume Sampled [litres]	4				
Remarks	Transportation	External Courier			
	CoC Number	-			
	Storage	Cool box			
	Preservation/Filtration	Temperature			

GENERAL REMARKS



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_02_BH
Monitoring Point	1	
Tip Depth [m]	10.00	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Tuesday 2022-03-29		
Operator	NR CH		
Datum	Cover Level	Datum to GL [m]	0.47

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	08:00:00	08:00:00	08:00:00
Dissolved O2	18D100086	08:00:00	08:00:00	08:00:00
Conductivity	18D100086	08:00:00	08:00:00	08:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS						
Date/Time	2022-03-29 15:40					
Flow-through Cell / Subsample	subSample					
Depth to Sampling Point [m BD]	10.00					
Depth to Sampling Point [m BGL]	9.53					
Depth to Water [m BD]	9.23					
Depth to Water [m BGL]	8.76					
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	33					
pH Value	6.96					
Electrical Conductivity [µS/cm]	872					
Dissolved Oxygen [%]	46.1					
Dissolved Oxygen [mg/l]	5.78					
Redox Potential Eh [mV]	5.3					
Total Dissolved Solids [ppm]	760.50					
Water Temperature [°C]	11.6					
Ambient Temperature [°C]	14					
Water Level Measured Before/During/After Monitoring and Sampling	during					



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_02_BH
Operator	NR CH	
Date	Tuesday 2022-03-29	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	15:29:10
Datum	Cover Level	Datum to GL [m]	0.47
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	8.00	Standing Water [m BD]	3.53 [m BGL] 3.06
Response Zone Base [m BGL]	10.00	Standpipe Base Depth	[m BGL] 10.52

PURGING DETAILS							
Volume to be Purged (1 Well Volume) [litres]	33	Well	Time Completed	Water Level		Cumulative Volume Purged [litres]	
Number of Well Volumes to Purge	3	Volume		[m BD]	[m BGL]		
Total Volume to be Purged [litres]	100	1st	15:40:00	9.23	8.76	33	
Depth of Purging Point [m BD]	10.00	[m BGL]	9.53	2nd	15:47:00	✓	33
Equipment/Method	Waterra PP1		3rd	15:54:00	✓		34
Total Volume Purged (Actual) [litres]	34	4th					
One Screen Volume [litres]	4	5th					

SAMPLING DETAILS					
Equipment/Method	Waterra PP1		Description	Vey cloudy, light orangey brown. No odour.	
Time Completed	16:00:00		ID	F - ZVTVLB-3CUF	
Depth of Sampling Point [m BD]	10.00	[m BGL]	9.53	Number/Round	1
Water Level after Sampl. [m BD]	10.13	[m BGL]	9.66	Containers	2 x 1l Glass Bottle
Volume Sampled [litres]	4				2 x 1l Plastic Bottle
Remarks	No gassing, ellittrak in hole, no bung.		Transportation	External Courier	
			CoC Number	-	
			Storage	Cool box	
			Preservation/Filtration	Temperature	

GENERAL REMARKS
Ran dry after 1 well volume, sampled after 15 minutes of recharge.



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_05_BH
Monitoring Point	1	
Tip Depth [m]	16.00	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Wednesday 2022-03-30	
Operator	NR CH	
Datum	Cover Level	Datum to GL [m] 0.32

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	08:00:00	08:00:00	08:00:00
Dissolved O2	18D100086	08:00:00	08:00:00	08:00:00
Conductivity	18D100086	08:00:00	08:00:00	08:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS						
	✓	✓	✓	✓		
Date/Time	2022-03-30 10:47	2022-03-30 10:56	2022-03-30 11:05	2022-03-30 11:14		
Flow-through Cell / Subsample	subSample	subSample	subSample	subSample		
Depth to Sampling Point [m BD]	16.00	16.00	16.00	16.00		
Depth to Sampling Point [m BGL]	15.68	15.68	15.68	15.68		
Depth to Water [m BD]	3.31	3.32	3.31	3.31		
Depth to Water [m BGL]	2.99	3.00	2.99	2.99		
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	44	88	132	176		
pH Value	7.61	7.41	7.38	7.35		
Electrical Conductivity [µS/cm]	779	712	696	695		
Dissolved Oxygen [%]	54.2	50.4	49.9	51.1		
Dissolved Oxygen [mg/l]	6.00	5.59	5.53	5.66		
Redox Potential Eh [mV]	39.8	29.8	25.5	24.2		
Total Dissolved Solids [ppm]	695.50	637.00	624.00	624.00		
Water Temperature [°C]	10.7	10.6	10.6	10.7		
Ambient Temperature [°C]	11	11	11	11		
Water Level Measured Before/During/After Monitoring and Sampling	during	during	during	during		



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_05_BH
Operator	NR CH	
Date	Wednesday 2022-03-30	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	10:36:11
Datum	Cover Level	Datum to GL [m]	0.32
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	14.00	Standing Water [m BD]	3.31 [m BGL] 2.99
Response Zone Base [m BGL]	16.00	Standpipe Base Depth	[m BGL] 16.40

PURGING DETAILS								
Volume to be Purged (1 Well Volume) [litres]	Well	Time Completed	Water Level		Cumulative Volume Purged [litres]			
			[m BD]	[m BGL]				
44								
Number of Well Volumes to Purge	4	Volume						
Total Volume to be Purged [litres]	176	1st	10:47:00	3.31	2.99	44		
Depth of Purging Point [m BD]	16.00	[m BGL]	15.68	2nd	10:56:00	3.32	3.00	88
Equipment/Method	Waterra PP1		3rd	11:05:00	3.31	2.99	132	
Total Volume Purged (Actual) [litres]	176	4th	11:14:00	3.31	2.99	176		
One Screen Volume [litres]	4	5th						

SAMPLING DETAILS						
Equipment/Method	Waterra PP1		Description	Very cloudy, light brownish orange. Slight brackish odour.		
Time Completed	11:20:53		ID	F-9MBXLB-RV8E		
Depth of Sampling Point [m BD]	16.00	[m BGL]	15.68	Number/Round	1	
Water Level after Sampl. [m BD]	3.31	[m BGL]	2.99	Containers	2	x 1l Glass Bottle
Volume Sampled [litres]	4			2	x 1l Plastic Bottle	
				2	x Vial	
Remarks	No gas, ellittrak in hole, no bung.		Transportation	External Courier		
			CoC Number	-		
			Storage	Cool box		
			Preservation/Filtration	Temperature		

GENERAL REMARKS



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_19_BH
Monitoring Point	1	
Tip Depth [m]	9.00	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Tuesday 2022-03-29	
Operator	NR CH	
Datum	Cover Level	Datum to GL [m] 0.45

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	08:00:00	08:00:00	08:00:00
Dissolved O2	18D100086	08:00:00	08:00:00	08:00:00
Conductivity	18D100086	08:00:00	08:00:00	08:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS						
	✓	✓	✓	✓		
Date/Time	2022-03-29 14:00	2022-03-29 14:10	2022-03-29 14:18	2022-03-29 14:29		
Flow-through Cell / Subsample	subSample	subSample	subSample	subSample		
Depth to Sampling Point [m BD]	7.00	7.00	7.00	7.00		
Depth to Sampling Point [m BGL]	6.55	6.55	6.55	6.55		
Depth to Water [m BD]	1.80	1.99	2.13	2.19		
Depth to Water [m BGL]	1.35	1.54	1.68	1.74		
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	55	110	165	220		
pH Value	7.39	7.10	7.01	6.98		
Electrical Conductivity [µS/cm]	565	469.2	436.6	428.3		
Dissolved Oxygen [%]	65.2	54.3	51.6	49.7		
Dissolved Oxygen [mg/l]	7.95	6.83	6.36	5.91		
Redox Potential Eh [mV]	3.7	-37.2	-48.5	-51.4		
Total Dissolved Solids [ppm]	494.00	417.95	389.35	419.12		
Water Temperature [°C]	11.5	10.9	10.8	10.9		
Ambient Temperature [°C]	16	16	16	16		
Water Level Measured Before/During/After Monitoring and Sampling	during	during	during	during		



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_19_BH
Operator	NR CH	
Date	Tuesday 2022-03-29	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	13:41:06
Datum	Cover Level	Datum to GL [m]	0.45
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	2.00	Standing Water [m BD]	0.98 [m BGL] 0.53
Response Zone Base [m BGL]	8.00	Standpipe Base Depth	[m BGL] 7.56

PURGING DETAILS						
Volume to be Purged (1 Well Volume) [litres]	55	Well	Time Completed	Water Level		Cumulative Volume Purged [litres]
Number of Well Volumes to Purge	4	Volume		[m BD]	[m BGL]	
Total Volume to be Purged [litres]	219	1st	14:00:00	1.80	1.35	55
Depth of Purging Point [m BD]	7.00 [m BGL] 6.55	2nd	14:10:00	1.99	1.54	110
Equipment/Method	Waterra PP1	3rd	14:18:00	2.13	1.68	165
Total Volume Purged (Actual) [litres]	220	4th	14:29:00	2.19	1.74	220
One Screen Volume [litres]	12	5th				

SAMPLING DETAILS			
Equipment/Method	Waterra PP1	Description	Strong eggy smell, light brown in colour due to sediment load.
Time Completed	14:40:00	ID	F-YFQVLB-XMKM
Depth of Sampling Point [m BD]	7.00 [m BGL] 6.55	Number/Round	1
Water Level after Sampl. [m BD]	2.19 [m BGL] 1.74	Containers	2 x 1l Glass Bottle 2 x 1l Plastic Bottle 2 x Vial
Volume Sampled [litres]	4		
Remarks	Not gassed as no bung. Base dropped to 8.83m after development.	Transportation	External Courier
		CoC Number	-
		Storage	Cool box
		Preservation/Filtration	Temperature

GENERAL REMARKS



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_44_BH
Monitoring Point	1	
Tip Depth [m]	18.00	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Tuesday 2022-03-29	
Operator	CH NR	
Datum	Cover Level	Datum to GL [m] 0.53

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	08:00:00	08:00:00	08:00:00
Dissolved O2	18D100086	08:00:00	08:00:00	08:00:00
Conductivity	18D100086	08:00:00	08:00:00	08:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS	✓	✓	✓	✓		
Date/Time	2022-03-29 11:04	2022-03-29 11:15	2022-03-29 11:26	2022-03-29 11:35		
Flow-through Cell / Subsample	subSample	subSample	subSample	subSample		
Depth to Sampling Point [m BD]	17.00	17.00	17.00	17.00		
Depth to Sampling Point [m BGL]	16.47	16.47	16.47	16.47		
Depth to Water [m BD]	3.78	3.81	3.80	3.80		
Depth to Water [m BGL]	3.25	3.28	3.27	3.27		
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	52	104	156	208		
pH Value	7.79	7.77	7.76	7.77		
Electrical Conductivity [µS/cm]	7149	7753	6448	6002		
Dissolved Oxygen [%]	74.7	68.4	62.5	61.9		
Dissolved Oxygen [mg/l]	8.07	7.36	6.64	6.56		
Redox Potential Eh [mV]	113.1	77.1	69.7	67.1		
Total Dissolved Solids [ppm]	6448.00	6961.50	5785.00	5395.00		
Water Temperature [°C]	10.5	10.5	10.6	10.6		
Ambient Temperature [°C]	12	12	12	12		
Water Level Measured Before/During/After Monitoring and Sampling	during	during	during	during		



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_44_BH
Operator	CH NR	
Date	Tuesday 2022-03-29	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	10:51:26
Datum	Cover Level	Datum to GL [m]	0.53
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	15.00	Standing Water [m BD]	3.77 [m BGL] 3.24
Response Zone Base [m BGL]	18.00	Standpipe Base Depth	[m BGL] 18.06

PURGING DETAILS						
Volume to be Purged (1 Well Volume) [litres]	52	Well	Time Completed	Water Level		Cumulative Volume Purged [litres]
Number of Well Volumes to Purge	4	Volume		[m BD]	[m BGL]	
Total Volume to be Purged [litres]	207	1st	11:04:00	3.78	3.25	52
Depth of Purging Point [m BD]	17.00 [m BGL] 16.47	2nd	11:15:00	3.81	3.28	104
Equipment/Method	Waterra PP1	3rd	11:26:00	3.80	3.27	156
Total Volume Purged (Actual) [litres]	208	4th	11:35:00	3.80	3.27	208
One Screen Volume [litres]	6	5th				

SAMPLING DETAILS			
Equipment/Method	Waterra PP1	Description	Slightly cloudy, yellowish white tinge. Slightly brackish with eggy odour.
Time Completed	11:40:00	ID	F-IBMVLB-WEPIX
Depth of Sampling Point [m BD]	17.00 [m BGL] 16.47	Number/Round	1
Water Level after Sampl. [m BD]	3.80 [m BGL] 3.27	Containers	2 x 1l Glass Bottle 2 x 1l Plastic Bottle 2 x Vial
Volume Sampled [litres]	4		
Remarks	No gassing, ellitrak in hole, no bung.	Transportation	External Courier
		CoC Number	-
		Storage	Cool box
		Preservation/Filtration	Temperature

GENERAL REMARKS



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_55_BH
Monitoring Point	1	
Tip Depth [m]	8.00	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Tuesday 2022-03-29	
Operator	NR CH	
Datum	Cover Level	Datum to GL [m] 0.40

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	08:00:00	08:00:00	08:00:00
Dissolved O2	18D100086	08:00:00	08:00:00	08:00:00
Conductivity	18D100086	08:00:00	08:00:00	08:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS						
	✓	✓	✓	✓		
Date/Time	2022-03-29 09:30	2022-03-29 09:37	2022-03-29 09:43	2022-03-29 09:48		
Flow-through Cell / Subsample	subSample	subSample	subSample	subSample		
Depth to Sampling Point [m BD]	8.00	8.00	8.00	8.00		
Depth to Sampling Point [m BGL]	7.60	7.60	7.60	7.60		
Depth to Water [m BD]	1.41	1.41	1.41	1.41		
Depth to Water [m BGL]	1.01	1.01	1.01	1.01		
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	36	72	108	144		
pH Value	7.56	7.51	7.49	7.48		
Electrical Conductivity [µS/cm]	1339	1316	1295	1292		
Dissolved Oxygen [%]	44.8	46.2	45.3	42.1		
Dissolved Oxygen [mg/l]	4.58	4.76	4.64	4.29		
Redox Potential Eh [mV]	39.8	30.0	27.3	23.8		
Total Dissolved Solids [ppm]	1196.00	1163.50	1144.00	1144.00		
Water Temperature [°C]	10.8	11.1	11.1	11.2		
Ambient Temperature [°C]	12	12	12	12		
Water Level Measured Before/During/After Monitoring and Sampling	during	during	during	during		



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_55_BH
Operator	NR CH	
Date	Tuesday 2022-03-29	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	09:16:35
Datum	Cover Level	Datum to GL [m]	0.40
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	6.00	Standing Water [m BD]	1.41 [m BGL] 1.01
Response Zone Base [m BGL]	8.00	Standpipe Base Depth	[m BGL] 8.76

PURGING DETAILS						
Volume to be Purged (1 Well Volume) [litres]	36	Well	Time Completed	Water Level		Cumulative Volume Purged [litres]
Number of Well Volumes to Purge	4	Volume		[m BD]	[m BGL]	
Total Volume to be Purged [litres]	142	1st	09:30:00	1.41	1.01	36
Depth of Purging Point [m BD]	8.00 [m BGL] 7.60	2nd	09:37:00	1.41	1.01	72
Equipment/Method	Waterra PP1	3rd	09:43:00	1.41	1.01	108
Total Volume Purged (Actual) [litres]	144	4th	09:48:00	1.41	1.01	144
One Screen Volume [litres]	4	5th				

SAMPLING DETAILS			
Equipment/Method	Waterra PP1	Description	Very cloudy, light brownish orange. No odour.
Time Completed	09:55:51	ID	F-59BVLB-QDM0
Depth of Sampling Point [m BD]	8.00 [m BGL] 7.60	Number/Round	1
Water Level after Sampl. [m BD]	1.41 [m BGL] 1.01	Containers	2 x 1l Glass Bottle 2 x 1l Plastic Bottle 2 x Vial
Volume Sampled [litres]	4		
Remarks	No gassing, ellittrak in hole, no bung.	Transportation	External Courier
		CoC Number	-
		Storage	Cool box
		Preservation/Filtration	Temperature

GENERAL REMARKS



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_63_BH
Monitoring Point	1	
Tip Depth [m]	10.00	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Monday 2022-03-28	
Operator	NR CH	
Datum	Cover Level	Datum to GL [m] 0.50

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	12:00:00	12:00:00	12:00:00
Dissolved O2	18D100086	12:00:00	12:00:00	12:00:00
Conductivity	18D100086	12:00:00	12:00:00	12:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS						
	✓	✓	✓	✓		
Date/Time	2022-03-28 14:37	2022-03-28 14:49	2022-03-28 15:01	2022-03-28 15:13		
Flow-through Cell / Subsample	subSample	subSample	subSample	subSample		
Depth to Sampling Point [m BD]	9.50	9.50	9.50	9.50		
Depth to Sampling Point [m BGL]	9.00	9.00	9.00	9.00		
Depth to Water [m BD]	5.84	6.26	6.40	6.59		
Depth to Water [m BGL]	5.34	5.76	5.90	6.09		
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	61	122	183	244		
pH Value	7.34	7.26	7.31	7.30		
Electrical Conductivity [µS/cm]	853	719	714	712		
Dissolved Oxygen [%]	53.7	58.6	61.3	58.9		
Dissolved Oxygen [mg/l]	5.75	6.35	6.62	59.1		
Redox Potential Eh [mV]	-22.9	-67.9	-51.9	-54.6		
Total Dissolved Solids [ppm]	689.00	624.00	624.00	624.00		
Water Temperature [°C]	11.9	11.8	11.8	11.8		
Ambient Temperature [°C]	15	15	15	15		
Water Level Measured Before/During/After Monitoring and Sampling	during	during	during	during		



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_63_BH
Operator	NR CH	
Date	Monday 2022-03-28	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	14:19:32
Datum	Cover Level	Datum to GL [m]	0.50
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	3.50	Standing Water [m BD]	4.07 [m BGL] 3.57
Response Zone Base [m BGL]	10.00	Standpipe Base Depth	[m BGL] 10.16

PURGING DETAILS						
Volume to be Purged (1 Well Volume) [litres]	61	Well	Time Completed	Water Level		Cumulative Volume Purged [litres]
Number of Well Volumes to Purge	4	Volume		[m BD]	[m BGL]	
Total Volume to be Purged [litres]	246	1st	14:37:00	5.84	5.34	61
Depth of Purging Point [m BD]	9.50 [m BGL] 9.00	2nd	14:49:00	6.26	5.76	122
Equipment/Method	Waterra PP1	3rd	15:01:00	6.40	5.90	183
Total Volume Purged (Actual) [litres]	244	4th	15:13:00	6.59	6.09	244
One Screen Volume [litres]	13	5th				

SAMPLING DETAILS					
Equipment/Method	Waterra PP1	Description	Very cloudy, greyish brown. No odour.		
Time Completed	15:25:09	ID	F-GNWTLB-115Q		
Depth of Sampling Point [m BD]	9.50 [m BGL] 9.00	Number/Round	1		
Water Level after Sampl. [m BD]	6.59 [m BGL] 6.09	Containers	2	x 1l Glass Bottle	
Volume Sampled [litres]	4		2	x 1l Plastic Bottle	
			2	x Vial	
Remarks	Transportation	External Courier			
	CoC Number	-			
	Storage	Cool box			
	Preservation/Filtration	Temperature			

GENERAL REMARKS



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_64_BH
Monitoring Point	1	
Tip Depth [m]	16.00	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Monday 2022-03-28	
Operator	NR CH	
Datum	Cover Level	Datum to GL [m] 0.47

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	12:00:00	12:00:00	12:00:00
Dissolved O2	18D100086	12:00:00	12:00:00	12:00:00
Conductivity	18D100086	12:00:00	12:00:00	12:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS						
	✓	✓	✓	✓	✓	
Date/Time	2022-03-28 16:20	2022-03-28 16:31	2022-03-28 16:35	2022-03-28 16:40	2022-03-28 16:46	
Flow-through Cell / Subsample	subSample	subSample	subSample	subSample	subSample	
Depth to Sampling Point [m BD]	15.00	15.00	15.00	15.00	15.00	
Depth to Sampling Point [m BGL]	14.53	14.53	14.53	14.53	14.53	
Depth to Water [m BD]	7.10	7.53	7.78	7.86	7.87	
Depth to Water [m BGL]	6.63	7.06	7.31	7.39	7.40	
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	28	56	84	102	130	
pH Value	9.71	8.98	8.39	8.31	8.27	
Electrical Conductivity [µS/cm]	840	431.7	392.0	400.1	398.4	
Dissolved Oxygen [%]	46.4	36.5	35.7	37.3	36.4	
Dissolved Oxygen [mg/l]	4.95	3.91	3.84	4.00	3.93	
Redox Potential Eh [mV]	-20.6	-70.0	-48.4	-39.7	-42.3	
Total Dissolved Solids [ppm]	715.00	372.45	339.30	345.15	339.30	
Water Temperature [°C]	12.3	12.1	12.1	12.1	12.2	
Ambient Temperature [°C]	17	17	17	17	17	
Water Level Measured Before/During/After Monitoring and Sampling	during	during	during	during	during	



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_64_BH
Operator	NR CH	
Date	Monday 2022-03-28	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	15:45:41
Datum	Cover Level	Datum to GL [m]	0.47
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	14.00	Standing Water [m BD]	6.65 [m BGL] 6.18
Response Zone Base [m BGL]	16.00	Standpipe Base Depth	[m BGL] 15.31

PURGING DETAILS								
Volume to be Purged (1 Well Volume) [litres]	28	Well Volume	Time Completed	Water Level		Cumulative Volume Purged [litres]		
Number of Well Volumes to Purge	5			[m BD]	[m BGL]			
Total Volume to be Purged [litres]	138	1st	16:20:00	7.10	6.63	28		
Depth of Purging Point [m BD]	15.00	[m BGL]	14.53	2nd	16:31:00	7.53	7.06	56
Equipment/Method	Waterra PP1		3rd	16:35:00	7.78	7.31	84	
Total Volume Purged (Actual) [litres]	130	4th	16:40:00	7.86	7.39	102		
One Screen Volume [litres]	4	5th	16:46:00	7.87	7.40	130		

SAMPLING DETAILS						
Equipment/Method	Waterra PP1		Description	Very cloudy, dark greyish brown. No odour.		
Time Completed	16:50:54		ID	F-HH1ULB-D2U4		
Depth of Sampling Point [m BD]	15.00	[m BGL]	14.53	Number/Round	1	
Water Level after Sampl. [m BD]	7.83	[m BGL]	7.36	Containers	2	x 1l Glass Bottle
Volume Sampled [litres]	6				2	x 1l Plastic Bottle
Remarks				2	x Vial	
			Transportation	External Courier		
			CoC Number	-		
			Storage	Cool box		
		Preservation/Filtration	Temperature			

GENERAL REMARKS



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_109_BH
Monitoring Point	1	
Tip Depth [m]	5.20	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Tuesday 2022-03-29	
Operator	NR CH	
Datum	Cover Level	Datum to GL [m] 0.33

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	08:00:00	08:00:00	08:00:00
Dissolved O2	18D100086	08:00:00	08:00:00	08:00:00
Conductivity	18D100086	08:00:00	08:00:00	08:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS						
Date/Time	2022-03-29 08:29					
Flow-through Cell / Subsample	subSample					
Depth to Sampling Point [m BD]	5.00					
Depth to Sampling Point [m BGL]	4.67					
Depth to Water [m BD]	4.55					
Depth to Water [m BGL]	4.22					
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	26					
pH Value	6.91					
Electrical Conductivity [µS/cm]	927					
Dissolved Oxygen [%]	58.3					
Dissolved Oxygen [mg/l]	6.98					
Redox Potential Eh [mV]	22.0					
Total Dissolved Solids [ppm]	864.50					
Water Temperature [°C]	9.0					
Ambient Temperature [°C]	10					
Water Level Measured Before/During/After Monitoring and Sampling	during					



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_109_BH
Operator	NR CH	
Date	Tuesday 2022-03-29	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	08:17:21
Datum	Cover Level	Datum to GL [m]	0.33
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	3.00	Standing Water [m BD]	1.91 [m BGL] 1.58
Response Zone Base [m BGL]	5.20	Standpipe Base Depth	[m BGL] 5.45

PURGING DETAILS							
Volume to be Purged (1 Well Volume) [litres]	26	Well Volume	Time Completed	Water Level		Cumulative Volume Purged [litres]	
Number of Well Volumes to Purge	3			[m BD]	[m BGL]		
Total Volume to be Purged [litres]	77	1st	08:29:00	4.55	4.22	26	
Depth of Purging Point [m BD]	5.00	[m BGL]	4.67	2nd	08:35:00	✓	42
Equipment/Method	Waterra PP1		3rd	08:40:00	✓	42	
Total Volume Purged (Actual) [litres]	42	4th					
One Screen Volume [litres]	4	5th					

SAMPLING DETAILS					
Equipment/Method	Waterra PP1		Description	Very cloudy, murky greyish brown. No odour.	
Time Completed	08:50:49		ID	F-XQ8VLB-H6KP	
Depth of Sampling Point [m BD]	5.00	[m BGL]	4.67	Number/Round	1
Water Level after Sampl. [m BD]	5.38	[m BGL]	5.05	Containers	2 x 1l Glass Bottle
Volume Sampled [litres]	4				2 x 1l Plastic Bottle
Remarks	Not gassed, ellitrak in hole, no bung.		Transportation	External Courier	
			CoC Number	-	
			Storage	Cool box	
			Preservation/Filtration	Temperature	

GENERAL REMARKS
Ran dry after 1.5 well volumes. Waited 15 for recharge, sampled after as recharge too slow.



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_110_BH
Monitoring Point	1	
Tip Depth [m]	8.00	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Wednesday 2022-03-30	
Operator	NR CH	
Datum	Cover Level	Datum to GL [m] 0.66

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	08:00:00	08:00:00	08:00:00
Dissolved O2	18D100086	08:00:00	08:00:00	08:00:00
Conductivity	18D100086	08:00:00	08:00:00	08:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS						
Date/Time	2022-03-30 13:32					
Flow-through Cell / Subsample	subSample					
Depth to Sampling Point [m BD]	8.00					
Depth to Sampling Point [m BGL]	7.34					
Depth to Water [m BD]	7.98					
Depth to Water [m BGL]	7.32					
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	74					
pH Value	7.84					
Electrical Conductivity [µS/cm]	586					
Dissolved Oxygen [%]	65.0					
Dissolved Oxygen [mg/l]	7.74					
Redox Potential Eh [mV]	41.2					
Total Dissolved Solids [ppm]	546.00					
Water Temperature [°C]	9.3					
Ambient Temperature [°C]	9					
Water Level Measured Before/During/After Monitoring and Sampling	during					



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_110_BH
Operator	NR CH	
Date	Wednesday 2022-03-30	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	13:10:39
Datum	Cover Level	Datum to GL [m]	0.66
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	0.70	Standing Water [m BD]	0.80 [m BGL] 0.14
Response Zone Base [m BGL]	8.00	Standpipe Base Depth	[m BGL] 8.51

PURGING DETAILS						
Volume to be Purged (1 Well Volume) [litres]	74	Well	Time Completed	Water Level		Cumulative Volume Purged [litres]
Number of Well Volumes to Purge	3	Volume		[m BD]	[m BGL]	
Total Volume to be Purged [litres]	222	1st	13:32:00	7.98	7.32	74
Depth of Purging Point [m BD]	8.00	[m BGL]	7.34	2nd	13:42:00	✓ 8.02 7.36 74
Equipment/Method	Waterra PP1		3rd	13:52:00	✓ 8.07 7.41	75
Total Volume Purged (Actual) [litres]	76	4th				
One Screen Volume [litres]	14	5th				

SAMPLING DETAILS					
Equipment/Method	Waterra PP1		Description	Very cloudy, light orangish brown, high sandy sediment lode. No odour.	
Time Completed	14:00:00		ID	F-51HXLB-QVIN	
Depth of Sampling Point [m BD]	8.00	[m BGL]	7.34	Number/Round	1
Water Level after Sampl. [m BD]	8.08	[m BGL]	7.42	Containers	2 x 1l Glass Bottle 2 x 1l Plastic Bottle 2 x Vial
Volume Sampled [litres]	4				
Remarks	Transportation	External Courier			
	CoC Number	-			
	Storage	Cool box			
	Preservation/Filtration	Temperature			

GENERAL REMARKS
Ran dry after 1 well volume. Waited for recharge and sampled.



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_114_BH
Monitoring Point	1	
Tip Depth [m]	9.00	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Wednesday 2022-03-30	
Operator	NR CH	
Datum	Cover Level	Datum to GL [m] 0.39

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	08:00:00	08:00:00	08:00:00
Dissolved O2	18D100086	08:00:00	08:00:00	08:00:00
Conductivity	18D100086	08:00:00	08:00:00	08:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS	✓	✓	✓			
Date/Time	2022-03-30 11:47	2022-03-30 11:52	2022-03-30 11:57			
Flow-through Cell / Subsample	subSample	subSample	subSample			
Depth to Sampling Point [m BD]	8.00	8.00	8.00			
Depth to Sampling Point [m BGL]	7.61	7.61	7.61			
Depth to Water [m BD]	1.06	1.06	1.06			
Depth to Water [m BGL]	0.67	0.67	0.67			
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	37	74	111			
pH Value	7.70	7.67	7.64			
Electrical Conductivity [µS/cm]	746	750	749			
Dissolved Oxygen [%]	44.0	42.0	44.1			
Dissolved Oxygen [mg/l]	4.96	4.72	4.94			
Redox Potential Eh [mV]	37.2	31.0	28.5			
Total Dissolved Solids [ppm]	682.50	682.50	682.50			
Water Temperature [°C]	9.9	10.1	10.1			
Ambient Temperature [°C]	9	9	9			
Water Level Measured Before/During/After Monitoring and Sampling	during	during	during			



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_114_BH
Operator	NR CH	
Date	Wednesday 2022-03-30	

Water Sampling Data Sheet

MONITORING POINT			
Reference	1	Time Measured	11:34:19
Datum	Cover Level	Datum to GL [m]	0.39
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	6.00	Standing Water [m BD]	0.16 [m BGL] -0.23
Response Zone Base [m BGL]	8.00	Standpipe Base Depth	[m BGL] 8.66

PURGING DETAILS								
Volume to be Purged (1 Well Volume) [litres]	37	Well Volume	Time Completed	Water Level		Cumulative Volume Purged [litres]		
Number of Well Volumes to Purge	3			[m BD]	[m BGL]			
Total Volume to be Purged [litres]	111	1st	11:47:00	1.06	0.67	37		
Depth of Purging Point [m BD]	8.00	[m BGL]	7.61	2nd	11:52:00	1.06	0.67	74
Equipment/Method	Waterra PP1		3rd	11:57:00	1.06	0.67	111	
Total Volume Purged (Actual) [litres]	111	4th						
One Screen Volume [litres]	4	5th						

SAMPLING DETAILS					
Equipment/Method	Waterra PP1		Description	Very cloudy, orangey brown. No odour.	
Time Completed	12:05:19		ID	F-VBCXLB-D8I3	
Depth of Sampling Point [m BD]	8.00	[m BGL]	7.61	Number/Round	1
Water Level after Sampl. [m BD]	1.06	[m BGL]	0.67	Containers	2 x 1l Glass Bottle
Volume Sampled [litres]	4				2 x 1l Plastic Bottle
Remarks	No gas, ellitrak in hole, no bung. Water above standpipe and ellitrak in top hat.		Transportation	External Courier	
			CoC Number	-	
			Storage	Cool box	
			Preservation/Filtration	Temperature	

GENERAL REMARKS



Project Name	LBA CCS Transport and Storage	
Project Reference	F190089	
Location ID	CP	LB_21_160_BH
Monitoring Point	1	
Tip Depth [m]	15.00	
Monitoring Round No	1	

In Situ Water Fieldsheet

Date	Wednesday 2022-03-30		
Operator	NR CH		
Datum	Cover Level	Datum to GL [m]	0.68

CALIBRATION				
Instrument Type	Model Number	Time of Calibration		
		Before	During	After
pH/Redox/Temp	18D100086	08:00:00	08:00:00	08:00:00
Dissolved O2	18D100086	08:00:00	08:00:00	08:00:00
Conductivity	18D100086	08:00:00	08:00:00	08:00:00
TDS Probe	18D100086			
Interface Meter	-			

READINGS						
	✓	✓	✓			
Date/Time	2022-03-30 16:19	2022-03-30 16:43	2022-03-30 17:08			
Flow-through Cell / Subsample	subSample	subSample	subSample			
Depth to Sampling Point [m BD]	13.00	13.00	13.00			
Depth to Sampling Point [m BGL]	12.32	12.32	12.32			
Depth to Water [m BD]	2.21	2.21	2.21			
Depth to Water [m BGL]	1.53	1.53	1.53			
LNAPL [m BD]						
LNAPL [m BGL]						
DNAPL [m BD]						
DNAPL [m BGL]						
Cumulative Volume Purged Prior to Test [l]	96	192	288			
pH Value	8.37	8.31	8.26			
Electrical Conductivity [µS/cm]	767	948	1185			
Dissolved Oxygen [%]	23.1	16.1	14.1			
Dissolved Oxygen [mg/l]	2.53	1.78	1.56			
Redox Potential Eh [mV]	-5.4	-107.1	-161.7			
Total Dissolved Solids [ppm]	682.50	845.00	1066.00			
Water Temperature [°C]	11.0	10.7	10.6			
Ambient Temperature [°C]	11	11	11			
Water Level Measured Before/During/After Monitoring and Sampling	during	during	during			



Project Name	LBA CCS Transport and Storage Project FEED	
Project Reference	F190089	
Location ID	CP	LB_21_160_BH
Operator	NR CH	
Date	Wednesday 2022-03-30	

Water Sampling Data Sheet

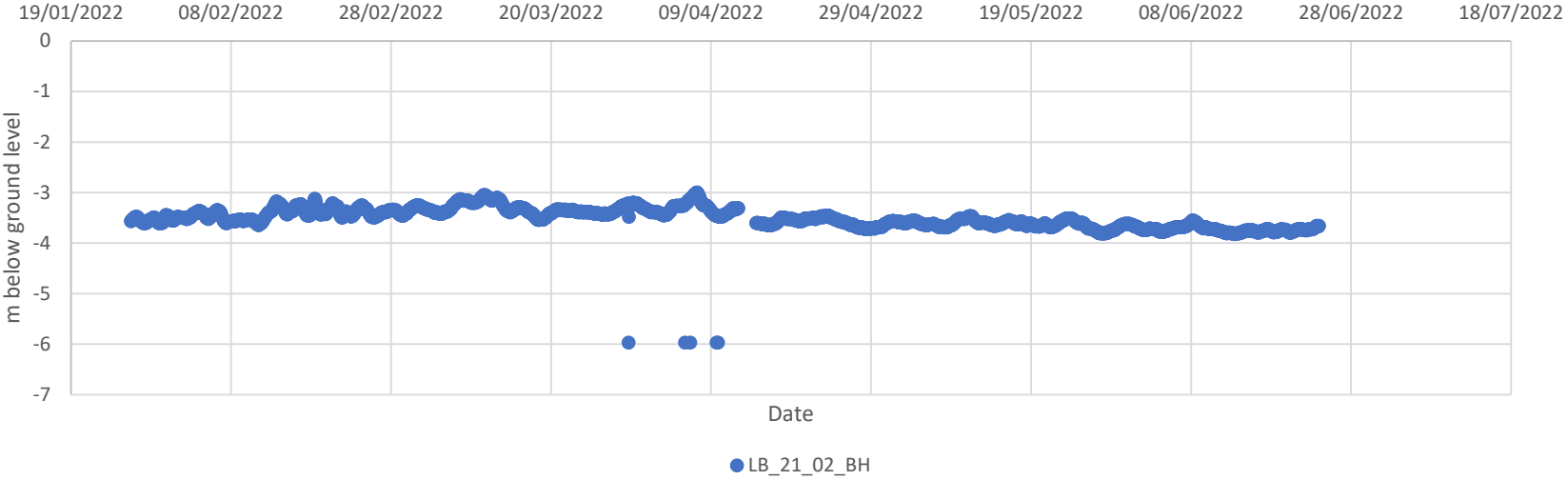
MONITORING POINT			
Reference	1	Time Measured	16:13:46
Datum	Cover Level	Datum to GL [m]	0.68
Borehole Diameter [mm]	200	LNAPL [m BD]	[m BGL]
Standpipe Diameter [mm]	50	DNAPL [m BD]	[m BGL]
Response Zone Top [m BGL]	4.00	Standing Water [m BD]	2.21 [m BGL] 1.53
Response Zone Base [m BGL]	15.00	Standpipe Base Depth	[m BGL] 13.82

PURGING DETAILS								
Volume to be Purged (1 Well Volume) [litres]	Well	Time Completed	Water Level		Cumulative Volume Purged [litres]			
			[m BD]	[m BGL]				
96								
Number of Well Volumes to Purge	3	Volume						
Total Volume to be Purged [litres]	289	1st	16:19:00	2.21	1.53	96		
Depth of Purging Point [m BD]	13.00	[m BGL]	12.32	2nd	16:42:00	2.21	1.53	192
Equipment/Method	Waterra PP1		3rd	17:08:00	2.21	1.53	288	
Total Volume Purged (Actual) [litres]	288	4th						
One Screen Volume [litres]	22	5th						

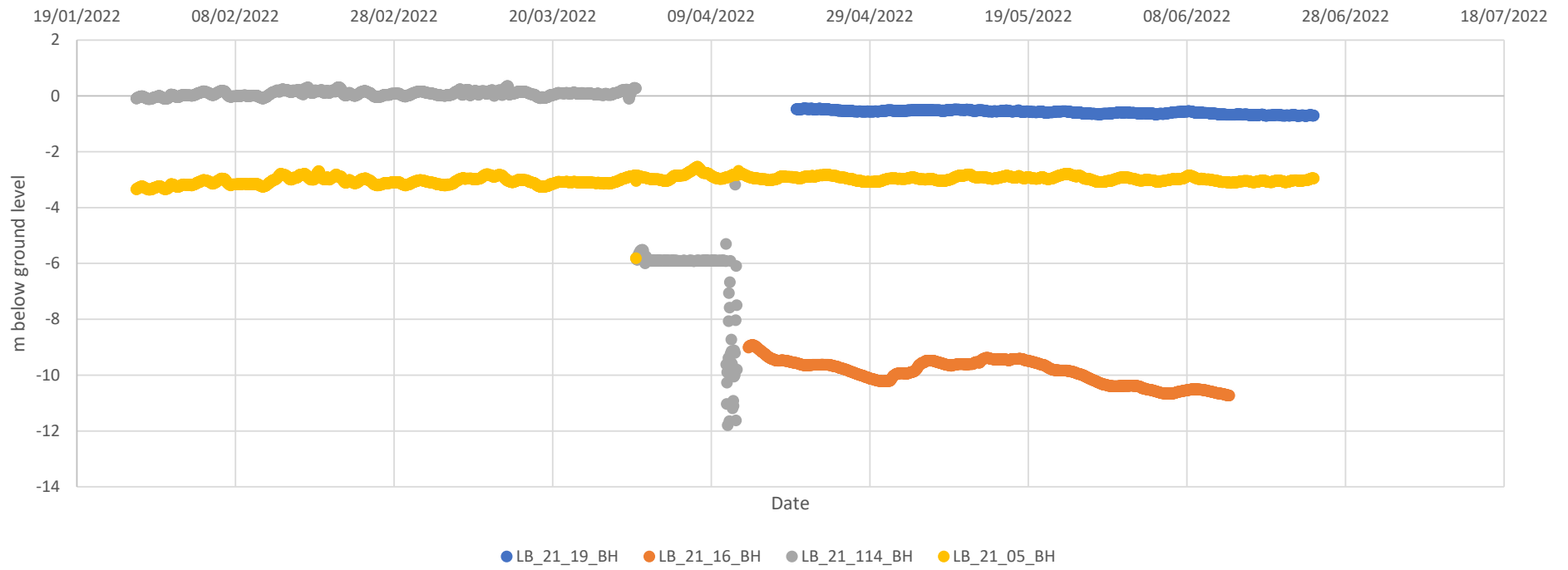
SAMPLING DETAILS					
Equipment/Method	Waterra PP1		Description	Very cloudy, dark greyish brown, high silty sediment lode. No odour.	
Time Completed	17:15:09		ID	F-H4UCLB-S7VZ	
Depth of Sampling Point [m BD]	13.00	[m BGL]	12.32	Number/Round	1
Water Level after Sampl. [m BD]	2.21	[m BGL]	1.53	Containers	2 x 1l Glass Bottle 2 x 1l Plastic Bottle 2 x Vial
Volume Sampled [litres]	4				
Remarks	Transportation	External Courier			
	CoC Number	-			
	Storage	Cool box			
	Preservation/Filtration	Temperature			

GENERAL REMARKS

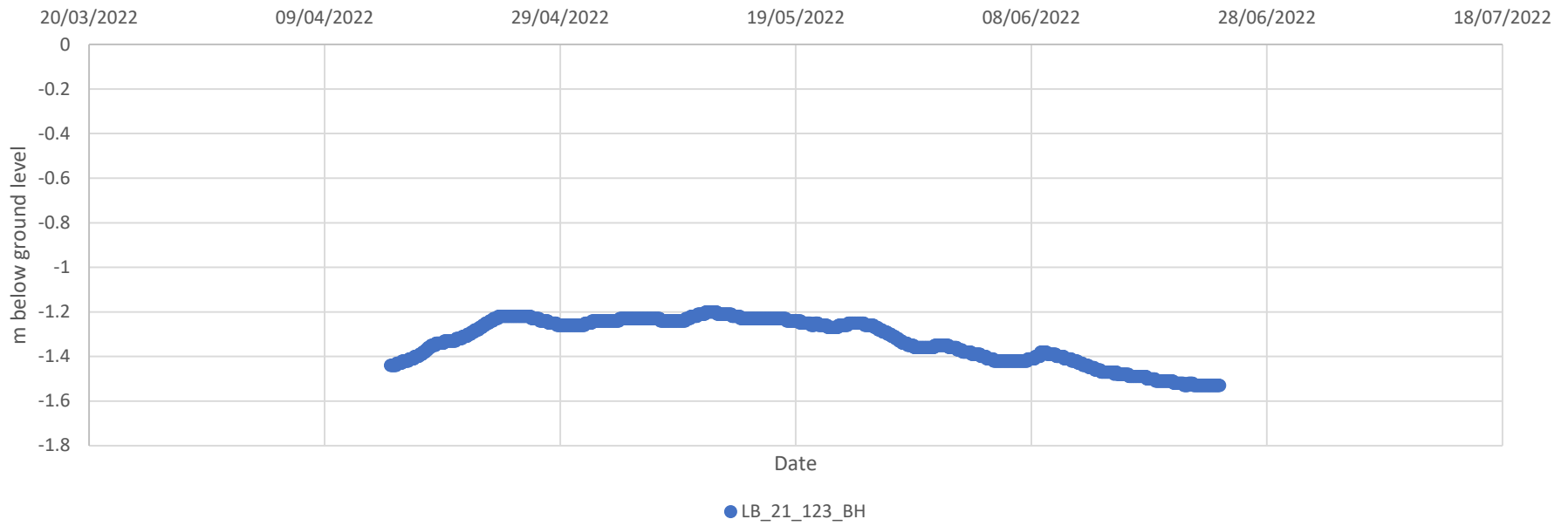
Section StF_2 Stanlow



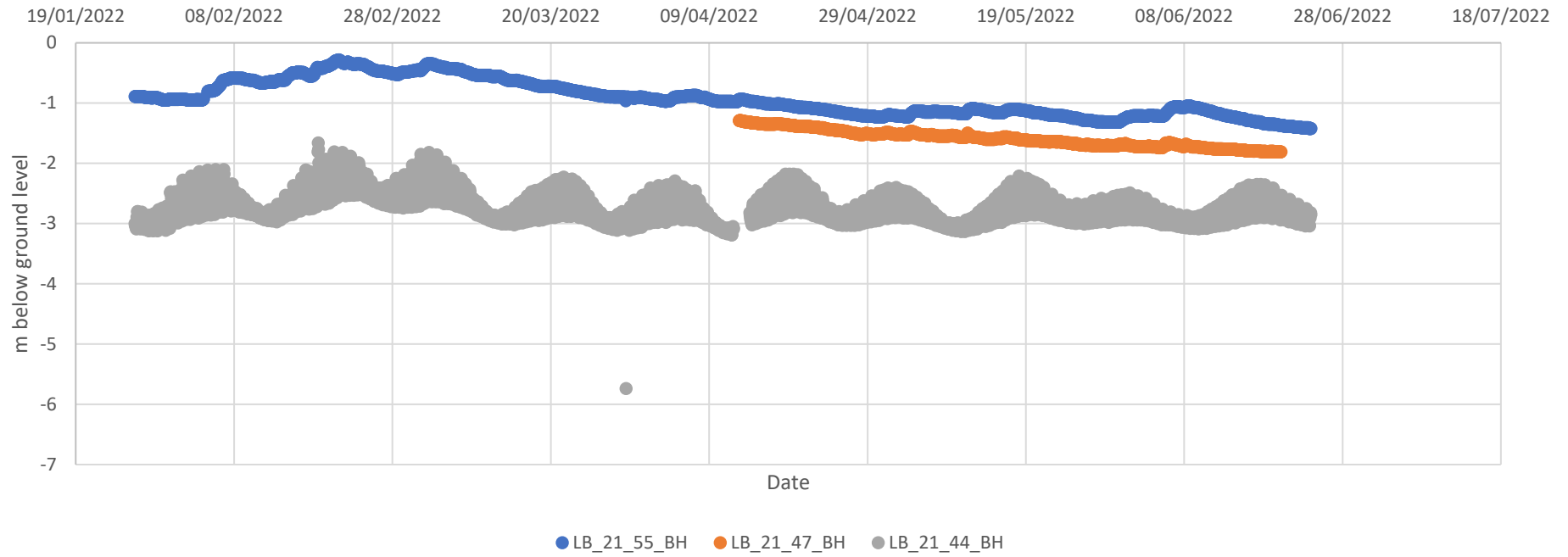
Section StF_2 Pipeline



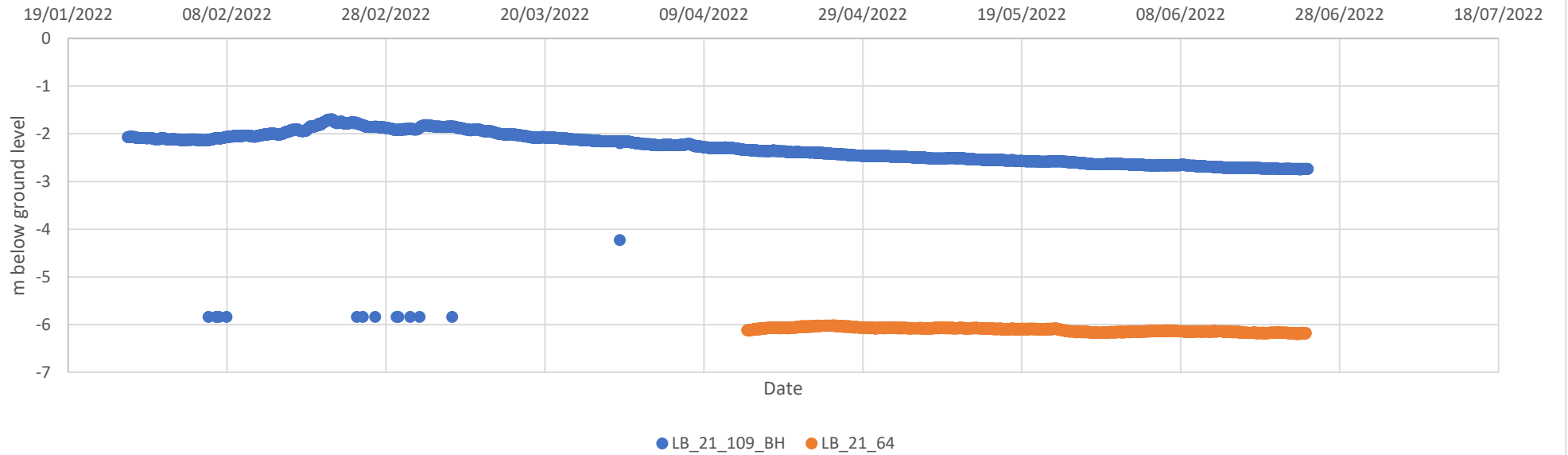
Section StF_3 Pipeline



Section StF_4 Pipeline



Section StF_5 Pipeline



Section StF_8 Point of Ayr

