



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618

cs@elab-uk.co.uk
info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-37389

Issue: 2. Replaces Analytical Report number 21-37389; issue no.1

Date of Issue: 21/12/2021

Contact: ELAB Results

Customer Details: A2 Site Investigation Limited
One Westminster Bridge Road
South Bank
London
SE1 7XW

Quotation No: Q20-01974

Order No: Not Supplied

Customer Reference: 12621

Date Received: 24/11/2021

Date Approved: 21/12/2021

Details: Brunel Walk

Approved by:

Tim Reeve, Quality Officer

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

This report may only be reproduced in full

Sample Summary

Report No.: 21-37389, issue number 2

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
259356	TP3 ES1 0.30	16/11/2021	30/11/2021	Sandy silty loam	fg
259357	TP3 ES2 0.60	16/11/2021	30/11/2021		
259358	TP2 ES1 0.20	16/11/2021	30/11/2021		
259359	TP2 ES2 0.70	16/11/2021	30/11/2021		
259360	TP11 ES1 0.20	16/11/2021	30/11/2021		
259361	TP11 ES2 0.50	16/11/2021	30/11/2021		
259362	TP11 ES3 1.00	16/11/2021	30/11/2021		
259363	TP1 ES1 0.30	16/11/2021	30/11/2021		
259364	BH01 ES1 0.20	16/11/2021	30/11/2021		
259365	BH01 ES2 0.60	16/11/2021	30/11/2021	Silty loam	fg
259366	BH01 ES3 1.20	16/11/2021	30/11/2021		
259367	WS01 ES1 0.30	17/11/2021	30/11/2021		
259368	WS01 ES2 0.80	17/11/2021	30/11/2021	Sandy silty loam	g
259369	WS02 ES1 0.20	17/11/2021	30/11/2021		
259370	WS02 ES2 0.60	17/11/2021	30/11/2021	Silty loam	g
259371	WS02 ES3 1.00	17/11/2021	30/11/2021	Loamy sand	
259372	WS03 ES1 0.30	17/11/2021	30/11/2021		
259373	WS03 ES2 0.80	17/11/2021	30/11/2021		
259374	WS03 ES3 1.20	17/11/2021	30/11/2021		
259375	WS04 ES1 0.30	18/11/2021	30/11/2021	Silty loam	
259376	WS04 ES2 0.80	18/11/2021	30/11/2021		
259377	WS07 ES1 0.30	18/11/2021	30/11/2021		
259378	WS07 ES2 0.60	18/11/2021	30/11/2021	Silty loam	
259379	WS07 ES3 1.20	18/11/2021	30/11/2021		
259380	BH02 ES1 0.20	18/11/2021	30/11/2021		
259381	BH02 ES2 0.60	18/11/2021	30/11/2021	Silty clayey loam	g
259382	TP4 ES1 0.40	17/11/2021	30/11/2021		
259383	TP5 ES1 0.30	17/11/2021	30/11/2021		
259384	TP6 ES1 0.20	17/11/2021	30/11/2021		
259385	TP6 ES2 0.60	17/11/2021	30/11/2021		
259386	TP7 ES1 0.20	17/11/2021	30/11/2021		
259387	TP7 ES2 0.80	17/11/2021	30/11/2021		
259388	TP9 ES1 0.30	17/11/2021	30/11/2021	Silty loam	g
259389	BH03 ES1 0.10	22/11/2021	30/11/2021		
259390	BH03 ES2 0.30	22/11/2021	30/11/2021	Silty clayey loam	
259391	BH03 ES1 1.20	22/11/2021	30/11/2021		
259392	WS06 ES1 0.30	22/11/2021	30/11/2021		
259393	WS06 ES2 0.60	22/11/2021	30/11/2021		
259394	WS06 ES3 1.20	22/11/2021	30/11/2021	Silty clayey loam	g
259395	TP10 ES1 0.20	16/11/2021	30/11/2021		
259396	TP10 ES2 0.70	16/11/2021	30/11/2021		
259397	WS05 ES1 0.30	22/11/2021	30/11/2021		
259398	WS05 ES2 0.60	22/11/2021	30/11/2021		
259399	WS05 ES3 1.20	22/11/2021	30/11/2021		
259400	WS08 ES1 0.30	22/11/2021	30/11/2021		
259401	WS08 ES1 0.60	22/11/2021	30/11/2021		
259402	WS08 ES1 1.20	22/11/2021	30/11/2021		
259403	BH01 3.00	17/11/2021	30/11/2021	Clay	
259404	BH01 5.00	17/11/2021	30/11/2021		
259405	BH01 7.00	17/11/2021	30/11/2021		
259406	BH01 9.00	17/11/2021	30/11/2021		
259407	BH01 11.00	17/11/2021	30/11/2021		
259408	BH01 13.00	17/11/2021	30/11/2021		
259409	BH01 15.00	17/11/2021	30/11/2021		
259410	BH01 17.00	17/11/2021	30/11/2021		
259411	BH01 19.00	17/11/2021	30/11/2021		
259412	TP1 0.70	16/11/2021	30/11/2021		
259413	WS01 2.00	18/11/2021	30/11/2021	Clay	
259414	WS02 2.00	18/11/2021	30/11/2021	Clay	
259415	WS03 2.00	18/11/2021	30/11/2021	Clay + chalk	



Sample Summary

Report No.: 21-37389, issue number 2

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
259416	WS04 2.00	18/11/2021	30/11/2021	Silty clayey loam	
259417	WS07 3.00	18/11/2021	30/11/2021	Clay	
259418	BH02 3.00	18/11/2021	30/11/2021		
259419	BH02 5.00	18/11/2021	30/11/2021		
259420	BH02 7.00	19/11/2021	30/11/2021		
259421	BH02 9.00	19/11/2021	30/11/2021		
259422	BH02 11.00	19/11/2021	30/11/2021		
259423	BH02 13.00	19/11/2021	30/11/2021		
259424	BH02 15.00	19/11/2021	30/11/2021		
259425	BH02 17.00	19/11/2021	30/11/2021		
259426	BH02 19.00	19/11/2021	30/11/2021		
259427	BH03 3.00	22/11/2021	30/11/2021		
259428	BH03 5.00	22/11/2021	30/11/2021		
259429	BH03 7.00	22/11/2021	30/11/2021		
259430	BH03 9.00	22/11/2021	30/11/2021		
259431	BH03 11.00	22/11/2021	30/11/2021		
259432	BH03 13.00	22/11/2021	30/11/2021		
259433	BH03 15.00	22/11/2021	30/11/2021		
259434	BH03 17.00	22/11/2021	30/11/2021		
259435	BH03 19.00	22/11/2021	30/11/2021		
259436	WS03 2.00	22/11/2021	30/11/2021		
259437	WS05 2.00	22/11/2021	30/11/2021	Clay	
259438	WS06 2.00	22/11/2021	30/11/2021	Clay	



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259356	259365	259368	259370
Customer Reference				ES1	ES2	ES2	ES2
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				TP3	BH01	WS01	WS02
Sample Depth (m)				0.30	0.60	0.80	0.60
Sampling Date				16/11/2021	16/11/2021	17/11/2021	17/11/2021
Determinand	Codes	Units	LOD				
Soil sample preparation parameters							
Moisture Content	N	%	0.1	10.5	14.3	15.1	9.9
Material removed	N	%	0.1	35.5	37.1	37.2	37.1
Description of Inert material removed	N		0	Stone	Stone	Stone	Stone
Metals							
Arsenic	M	mg/kg	1	14.4	20.3	19.0	22.0
Barium	U	mg/kg	10	85.1	194	246	181
Beryllium	U	mg/kg	1	< 1.0	1.5	1.3	1.6
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	40.9	50.1	48.0	48.4
Chromium (III)	N	mg/kg	5	40.9	50.1	48.0	48.4
Copper	M	mg/kg	5	36.4	45.8	29.6	59.0
Lead	M	mg/kg	5	66.7	78.8	41.6	62.8
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5
Molybdenum	N	mg/kg	0.5	1.0	1.2	0.8	1.2
Nickel	M	mg/kg	5	26.0	36.0	42.1	36.8
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	M	mg/kg	5	40.9	76.9	77.5	65.7
Zinc	M	mg/kg	5	162	102	73.2	110
Anions							
Water Soluble Sulphate	M	g/l	0.02	n/t	n/t	n/t	n/t
Water Soluble Sulphate	M	mg/kg	40	122	43	43	53
Inorganics							
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8
Total Sulphur	N	%	0.01	n/t	n/t	n/t	n/t
Acid Soluble Sulphate (SO4)	U	%	0.02	n/t	n/t	n/t	n/t
Water Soluble Boron	N	mg/kg	0.5	< 0.5	< 0.5	0.6	0.5
Miscellaneous							
Fraction of Organic Carbon	N		0.0001	0.0171	0.0114	0.0075	0.0210
pH	M	pH units	0.1	7.8	8.1	8.3	8.1
Soil Organic Matter	U	%	0.1	2.2	1.0	0.5	1.8
Total Organic Carbon	N	%	0.01	1.7	1.1	0.75	2.1



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259356	259365	259368	259370
Customer Reference				ES1	ES2	ES2	ES2
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				TP3	BH01	WS01	WS02
Sample Depth (m)				0.30	0.60	0.80	0.60
Sampling Date				16/11/2021	16/11/2021	17/11/2021	17/11/2021
Determinand	Codes	Units	LOD				
Polyaromatic hydrocarbons							
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	0.2	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1	0.2	< 0.1	0.3
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	0.1
Fluoranthene	M	mg/kg	0.1	0.3	0.5	< 0.1	0.7
Pyrene	M	mg/kg	0.1	0.3	0.3	< 0.1	0.5
Benzo(a)anthracene	M	mg/kg	0.1	0.2	0.4	< 0.1	0.3
Chrysene	M	mg/kg	0.1	0.2	0.5	< 0.1	0.4
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1	0.3	< 0.1	0.4
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1	0.3	< 0.1	0.4
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1	0.3	< 0.1	0.4
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1	0.1	< 0.1	0.2
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	M	mg/kg	0.1	0.1	< 0.1	< 0.1	0.2
Total PAH(16)	M	mg/kg	0.4	1.7	3.3	< 0.4	4.1
Naphthalene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Acenaphthylene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Acenaphthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Fluorene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Phenanthrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(a)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Chrysene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(a)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Total PAH(16) GCMS	N	mg/kg	0.04	n/t	n/t	n/t	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259356	259365	259368	259370
Customer Reference				ES1	ES2	ES2	ES2
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				TP3	BH01	WS01	WS02
Sample Depth (m)				0.30	0.60	0.80	0.60
Sampling Date				16/11/2021	16/11/2021	17/11/2021	17/11/2021
Determinand	Codes	Units	LOD				
BTEX							
Benzene	M	ug/kg	10	fg < 10.0	fg < 10.0	g < 10.0	g < 10.0
Toluene	M	ug/kg	10	fg < 10.0	fg < 10.0	g < 10.0	g < 10.0
Ethylbenzene	M	ug/kg	10	fg < 10.0	fg < 10.0	g < 10.0	g < 10.0
Xylenes	M	ug/kg	10	fg < 10.0	fg < 10.0	g < 10.0	g < 10.0
MTBE	N	ug/kg	10	fg < 10.0	fg < 10.0	g < 10.0	g < 10.0
TPH CWG							
>C5-C6 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	fg < 0.01	fg < 0.01	g < 0.01	g < 0.01
>C6-C8 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	fg < 0.01	fg < 0.01	g < 0.01	g < 0.01
>C8-C10 Aliphatic (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	f < 1.0	f < 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic (EH_2D_AL)	M	mg/kg	1	f < 1.0	f < 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic (EH_2D_AL)	M	mg/kg	1	f < 1.0	f < 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic (EH_2D_AL)	M	mg/kg	1	f < 1.0	f < 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic (EH_2D_AL)	M	mg/kg	1	f < 1.0	f 7.1	< 1.0	< 1.0
>C35-C40 Aliphatic (EH_2D_AL)	M	mg/kg	1	f < 1.0	f 1.4	< 1.0	< 1.0
Total aliphatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	f < 1.0	f 9.0	< 1.0	< 1.0
>C5-C7 Aromatic (HS_1D_MS)	N	mg/kg	0.01	fg < 0.01	fg < 0.01	g < 0.01	g < 0.01
>C7-C8 Aromatic (HS_1D_MS)	N	mg/kg	0.01	fg < 0.01	fg < 0.01	g < 0.01	g < 0.01
>C8-C10 Aromatic (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	f < 1.0	f < 1.0	< 1.0	< 1.0
>C10-C12 Aromatic (EH_2D_AR)	M	mg/kg	1	f < 1.0	f < 1.0	< 1.0	< 1.0
>C12-C16 Aromatic (EH_2D_AR)	M	mg/kg	1	f < 1.0	f < 1.0	< 1.0	< 1.0
>C16-C21 Aromatic (EH_2D_AR)	M	mg/kg	1	f < 1.0	f < 1.0	< 1.0	< 1.0
>C21-C35 Aromatic (EH_2D_AR)	M	mg/kg	1	f 2.1	f 1.9	< 1.0	1.3
>C35-C40 Aromatic (EH_2D_AR)	M	mg/kg	1	f < 1.0	f < 1.0	< 1.0	< 1.0
Total aromatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	f 3.2	f 3.4	< 1.0	1.9
Total petroleum hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_Total)	N	mg/kg	1	f 4.0	f 12.4	< 1.0	1.9
PCB (WHO 12 Congeners)							
PCB 81	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 77	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 123	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 118	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 114	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 105	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 126	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 167	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 156	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 157	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 169	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 189	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259371	259375	259378	259381
Customer Reference				ES3	ES1	ES2	ES2
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				WS02	WS04	WS07	BH02
Sample Depth (m)				1.00	0.30	0.60	0.60
Sampling Date				17/11/2021	18/11/2021	18/11/2021	18/11/2021
Determinand	Codes	Units	LOD				
Soil sample preparation parameters							
Moisture Content	N	%	0.1	9.5	11.6	13.8	15.5
Material removed	N	%	0.1	38.8	39.2	34.5	38.7
Description of Inert material removed	N		0	Stone	Stone	Stone	Stone
Metals							
Arsenic	M	mg/kg	1	n/t	n/t	n/t	16.4
Barium	U	mg/kg	10	n/t	n/t	n/t	143
Beryllium	U	mg/kg	1	n/t	n/t	n/t	1.0
Cadmium	M	mg/kg	0.5	n/t	n/t	n/t	< 0.5
Chromium	M	mg/kg	5	n/t	n/t	n/t	54.1
Chromium (III)	N	mg/kg	5	n/t	n/t	n/t	54.1
Copper	M	mg/kg	5	n/t	n/t	n/t	30.3
Lead	M	mg/kg	5	n/t	n/t	n/t	26.1
Mercury	M	mg/kg	0.5	n/t	n/t	n/t	< 0.5
Molybdenum	N	mg/kg	0.5	n/t	n/t	n/t	0.9
Nickel	M	mg/kg	5	n/t	n/t	n/t	22.2
Selenium	M	mg/kg	1	n/t	n/t	n/t	< 1.0
Vanadium	M	mg/kg	5	n/t	n/t	n/t	73.5
Zinc	M	mg/kg	5	n/t	n/t	n/t	68.5
Anions							
Water Soluble Sulphate	M	g/l	0.02	n/t	n/t	n/t	n/t
Water Soluble Sulphate	M	mg/kg	40	n/t	n/t	n/t	< 40
Inorganics							
Hexavalent Chromium	N	mg/kg	0.8	n/t	n/t	n/t	< 0.8
Total Sulphur	N	%	0.01	n/t	n/t	n/t	n/t
Acid Soluble Sulphate (SO4)	U	%	0.02	n/t	n/t	n/t	n/t
Water Soluble Boron	N	mg/kg	0.5	n/t	n/t	n/t	0.7
Miscellaneous							
Fraction of Organic Carbon	N		0.0001	n/t	n/t	n/t	0.0046
pH	M	pH units	0.1	n/t	n/t	n/t	7.9
Soil Organic Matter	U	%	0.1	n/t	n/t	n/t	0.8
Total Organic Carbon	N	%	0.01	2.2	4.3	2.0	0.46



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference	259371	259375	259378	259381
Customer Reference	ES3	ES1	ES2	ES2
Sample ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sample Location	WS02	WS04	WS07	BH02
Sample Depth (m)	1.00	0.30	0.60	0.60
Sampling Date	17/11/2021	18/11/2021	18/11/2021	18/11/2021

Determinand	Codes	Units	LOD				
Polyaromatic hydrocarbons							
Naphthalene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Acenaphthylene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Acenaphthene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Fluorene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Phenanthrene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Anthracene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Fluoranthene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Pyrene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Chrysene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Benzo(g,h,i)perylene	M	mg/kg	0.1	n/t	n/t	n/t	< 0.1
Total PAH(16)	M	mg/kg	0.4	n/t	n/t	n/t	< 0.4
Naphthalene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Acenaphthylene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Acenaphthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Fluorene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Phenanthrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(a)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Chrysene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(a)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Total PAH(16) GCMS	N	mg/kg	0.04	n/t	n/t	n/t	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259371	259375	259378	259381
Customer Reference				ES3	ES1	ES2	ES2
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				WS02	WS04	WS07	BH02
Sample Depth (m)				1.00	0.30	0.60	0.60
Sampling Date				17/11/2021	18/11/2021	18/11/2021	18/11/2021
Determinand	Codes	Units	LOD				
BTEX							
Benzene	M	ug/kg	10	n/t	n/t	n/t	g < 10.0
Toluene	M	ug/kg	10	n/t	n/t	n/t	g < 10.0
Ethylbenzene	M	ug/kg	10	n/t	n/t	n/t	g < 10.0
Xylenes	M	ug/kg	10	n/t	n/t	n/t	g < 10.0
MTBE	N	ug/kg	10	n/t	n/t	n/t	g < 10.0
TPH CWG							
>C5-C6 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	g < 0.01
>C6-C8 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	g < 0.01
>C8-C10 Aliphatic (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	n/t	n/t	n/t	< 1.0
>C10-C12 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t	< 1.0
>C12-C16 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t	< 1.0
>C16-C21 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t	< 1.0
>C21-C35 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t	< 1.0
>C35-C40 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t	< 1.0
Total aliphatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	n/t	n/t	n/t	< 1.0
>C5-C7 Aromatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	g < 0.01
>C7-C8 Aromatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	g < 0.01
>C8-C10 Aromatic (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	n/t	n/t	n/t	< 1.0
>C10-C12 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t	< 1.0
>C12-C16 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t	< 1.0
>C16-C21 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t	< 1.0
>C21-C35 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t	< 1.0
>C35-C40 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t	< 1.0
Total aromatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	n/t	n/t	n/t	1.4
Total petroleum hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_Total)	N	mg/kg	1	n/t	n/t	n/t	2.3
PCB (WHO 12 Congeners)							
PCB 81	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 77	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 123	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 118	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 114	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 105	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 126	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 167	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 156	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 157	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 169	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01
PCB 189	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259388	259390	259394	259403
Customer Reference				ES1	ES2	ES3	
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				TP9	BH03	WS06	BH01
Sample Depth (m)				0.30	0.30	1.20	3.00
Sampling Date				17/11/2021	22/11/2021	22/11/2021	17/11/2021
Determinand	Codes	Units	LOD				
Soil sample preparation parameters							
Moisture Content	N	%	0.1	14.8	20.4	14.9	18.5
Material removed	N	%	0.1	27.0	< 0.1	27.9	< 0.1
Description of Inert material removed	N		0	Stone	None	Stones	None
Metals							
Arsenic	M	mg/kg	1	23.4	17.8	20.0	n/t
Barium	U	mg/kg	10	138	129	191	n/t
Beryllium	U	mg/kg	1	1.1	1.5	1.4	n/t
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	0.5	n/t
Chromium	M	mg/kg	5	47.1	52.8	45.0	n/t
Chromium (III)	N	mg/kg	5	47.1	52.8	45.0	n/t
Copper	M	mg/kg	5	49.8	41.8	41.2	n/t
Lead	M	mg/kg	5	114	96.5	145	n/t
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	0.6	n/t
Molybdenum	N	mg/kg	0.5	1.2	0.7	1.8	n/t
Nickel	M	mg/kg	5	30.3	52.6	35.9	n/t
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t
Vanadium	M	mg/kg	5	60.3	103	71.2	n/t
Zinc	M	mg/kg	5	185	94.3	115	n/t
Anions							
Water Soluble Sulphate	M	g/l	0.02	n/t	n/t	n/t	0.31
Water Soluble Sulphate	M	mg/kg	40	119	90	< 40	n/t
Inorganics							
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	n/t
Total Sulphur	N	%	0.01	n/t	n/t	n/t	0.07
Acid Soluble Sulphate (SO4)	U	%	0.02	n/t	n/t	n/t	0.13
Water Soluble Boron	N	mg/kg	0.5	2.6	1.0	0.7	n/t
Miscellaneous							
Fraction of Organic Carbon	N		0.0001	0.0274	0.0068	0.0137	n/t
pH	M	pH units	0.1	7.6	8.3	8.4	7.8
Soil Organic Matter	U	%	0.1	5.1	1.1	1.6	n/t
Total Organic Carbon	N	%	0.01	2.7	0.68	1.4	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference	259388	259390	259394	259403
Customer Reference	ES1	ES2	ES3	
Sample ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sample Location	TP9	BH03	WS06	BH01
Sample Depth (m)	0.30	0.30	1.20	3.00
Sampling Date	17/11/2021	22/11/2021	22/11/2021	17/11/2021

Determinand	Codes	Units	LOD				
Polyaromatic hydrocarbons							
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Phenanthrene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Pyrene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Chrysene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Benzo(g,h,i)perylene	M	mg/kg	0.1	< 0.1	< 0.1	n/t	n/t
Total PAH(16)	M	mg/kg	0.4	< 0.4	< 0.4	n/t	n/t
Naphthalene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Acenaphthylene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Acenaphthene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Fluorene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Phenanthrene GCMS	N	mg/kg	0.01	n/t	n/t	0.01	n/t
Anthracene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	0.02	n/t
Pyrene GCMS	N	mg/kg	0.01	n/t	n/t	0.01	n/t
Benzo(a)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Chrysene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Benzo(a)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t
Total PAH(16) GCMS	N	mg/kg	0.04	n/t	n/t	0.07	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259388	259390	259394	259403
Customer Reference				ES1	ES2	ES3	
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				TP9	BH03	WS06	BH01
Sample Depth (m)				0.30	0.30	1.20	3.00
Sampling Date				17/11/2021	22/11/2021	22/11/2021	17/11/2021
Determinand	Codes	Units	LOD				
BTEX							
Benzene	M	ug/kg	10	g < 10.0	< 10.0	g < 10.0	n/t
Toluene	M	ug/kg	10	g < 10.0	< 10.0	g < 10.0	n/t
Ethylbenzene	M	ug/kg	10	g < 10.0	< 10.0	g < 10.0	n/t
Xylenes	M	ug/kg	10	g < 10.0	< 10.0	g < 10.0	n/t
MTBE	N	ug/kg	10	g < 10.0	< 10.0	g < 10.0	n/t
TPH CWG							
>C5-C6 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	g < 0.01	< 0.01	g < 0.01	n/t
>C6-C8 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	g < 0.01	< 0.01	g < 0.01	n/t
>C8-C10 Aliphatic (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t
>C10-C12 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t
>C12-C16 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0	3.3	n/t
>C16-C21 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0	10.1	n/t
>C21-C35 Aliphatic (EH_2D_AL)	M	mg/kg	1	21.7	< 1.0	60.9	n/t
>C35-C40 Aliphatic (EH_2D_AL)	M	mg/kg	1	5.7	< 1.0	14.4	n/t
Total aliphatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	29.0	< 1.0	89.3	n/t
>C5-C7 Aromatic (HS_1D_MS)	N	mg/kg	0.01	g < 0.01	< 0.01	g < 0.01	n/t
>C7-C8 Aromatic (HS_1D_MS)	N	mg/kg	0.01	g < 0.01	< 0.01	g < 0.01	n/t
>C8-C10 Aromatic (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t
>C10-C12 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t
>C12-C16 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0	3.0	n/t
>C16-C21 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0	17.2	n/t
>C21-C35 Aromatic (EH_2D_AR)	M	mg/kg	1	6.2	< 1.0	175	n/t
>C35-C40 Aromatic (EH_2D_AR)	M	mg/kg	1	1.4	< 1.0	32.6	n/t
Total aromatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	8.8	< 1.0	229	n/t
Total petroleum hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_Total)	N	mg/kg	1	37.9	< 1.0	319	n/t
PCB (WHO 12 Congeners)							
PCB 81	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 77	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 123	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 118	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 114	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 105	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 126	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 167	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 156	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 157	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 169	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t
PCB 189	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259413	259414	259415	259416
Customer Reference							
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				WS01	WS02	WS03	WS04
Sample Depth (m)				2.00	2.00	2.00	2.00
Sampling Date				18/11/2021	18/11/2021	18/11/2021	18/11/2021
Determinand	Codes	Units	LOD				
Soil sample preparation parameters							
Moisture Content	N	%	0.1	19.1	16.2	16.2	10.3
Material removed	N	%	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Description of Inert material removed	N		0	None	None	None	None
Metals							
Arsenic	M	mg/kg	1	n/t	n/t	n/t	n/t
Barium	U	mg/kg	10	n/t	n/t	n/t	n/t
Beryllium	U	mg/kg	1	n/t	n/t	n/t	n/t
Cadmium	M	mg/kg	0.5	n/t	n/t	n/t	n/t
Chromium	M	mg/kg	5	n/t	n/t	n/t	n/t
Chromium (III)	N	mg/kg	5	n/t	n/t	n/t	n/t
Copper	M	mg/kg	5	n/t	n/t	n/t	n/t
Lead	M	mg/kg	5	n/t	n/t	n/t	n/t
Mercury	M	mg/kg	0.5	n/t	n/t	n/t	n/t
Molybdenum	N	mg/kg	0.5	n/t	n/t	n/t	n/t
Nickel	M	mg/kg	5	n/t	n/t	n/t	n/t
Selenium	M	mg/kg	1	n/t	n/t	n/t	n/t
Vanadium	M	mg/kg	5	n/t	n/t	n/t	n/t
Zinc	M	mg/kg	5	n/t	n/t	n/t	n/t
Anions							
Water Soluble Sulphate	M	g/l	0.02	2.06	1.73	[^] 0.19	0.11
Water Soluble Sulphate	M	mg/kg	40	n/t	n/t	n/t	n/t
Inorganics							
Hexavalent Chromium	N	mg/kg	0.8	n/t	n/t	n/t	n/t
Total Sulphur	N	%	0.01	0.50	0.19	0.04	0.06
Acid Soluble Sulphate (SO ₄)	U	%	0.02	1.40	0.49	0.11	0.12
Water Soluble Boron	N	mg/kg	0.5	n/t	n/t	n/t	n/t
Miscellaneous							
Fraction of Organic Carbon	N		0.0001	n/t	n/t	n/t	n/t
pH	M	pH units	0.1	7.7	7.8	[^] 8.3	8.4
Soil Organic Matter	U	%	0.1	n/t	n/t	n/t	n/t
Total Organic Carbon	N	%	0.01	n/t	n/t	n/t	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259413	259414	259415	259416
Customer Reference							
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				WS01	WS02	WS03	WS04
Sample Depth (m)				2.00	2.00	2.00	2.00
Sampling Date				18/11/2021	18/11/2021	18/11/2021	18/11/2021
Determinand	Codes	Units	LOD				
Polyaromatic hydrocarbons							
Naphthalene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Acenaphthylene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Acenaphthene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Fluorene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Phenanthrene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Anthracene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Fluoranthene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Pyrene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Benzo(a)anthracene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Chrysene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Benzo(b)fluoranthene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Benzo(k)fluoranthene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Benzo(a)pyrene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Dibenzo(a,h)anthracene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Benzo(g,h,i)perylene	M	mg/kg	0.1	n/t	n/t	n/t	n/t
Total PAH(16)	M	mg/kg	0.4	n/t	n/t	n/t	n/t
Naphthalene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Acenaphthylene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Acenaphthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Fluorene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Phenanthrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(a)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Chrysene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(a)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t
Total PAH(16) GCMS	N	mg/kg	0.04	n/t	n/t	n/t	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259413	259414	259415	259416
Customer Reference							
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				WS01	WS02	WS03	WS04
Sample Depth (m)				2.00	2.00	2.00	2.00
Sampling Date				18/11/2021	18/11/2021	18/11/2021	18/11/2021
Determinand	Codes	Units	LOD				
BTEX							
Benzene	M	ug/kg	10	n/t	n/t	n/t	n/t
Toluene	M	ug/kg	10	n/t	n/t	n/t	n/t
Ethylbenzene	M	ug/kg	10	n/t	n/t	n/t	n/t
Xylenes	M	ug/kg	10	n/t	n/t	n/t	n/t
MTBE	N	ug/kg	10	n/t	n/t	n/t	n/t
TPH CWG							
>C5-C6 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	n/t
>C6-C8 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	n/t
>C8-C10 Aliphatic (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	n/t	n/t	n/t	n/t
>C10-C12 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t	n/t
>C12-C16 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t	n/t
>C16-C21 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t	n/t
>C21-C35 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t	n/t
>C35-C40 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t	n/t
Total aliphatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	n/t	n/t	n/t	n/t
>C5-C7 Aromatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	n/t
>C7-C8 Aromatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	n/t
>C8-C10 Aromatic (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	n/t	n/t	n/t	n/t
>C10-C12 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t	n/t
>C12-C16 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t	n/t
>C16-C21 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t	n/t
>C21-C35 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t	n/t
>C35-C40 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t	n/t
Total aromatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	n/t	n/t	n/t	n/t
Total petroleum hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_Total)	N	mg/kg	1	n/t	n/t	n/t	n/t
PCB (WHO 12 Congeners)							
PCB 81	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 77	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 123	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 118	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 114	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 105	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 126	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 167	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 156	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 157	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 169	N	mg/kg	0.01	n/t	n/t	n/t	n/t
PCB 189	N	mg/kg	0.01	n/t	n/t	n/t	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259417	259437	259438
Customer Reference						
Sample ID						
Sample Type				SOIL	SOIL	SOIL
Sample Location				WS07	WS05	WS06
Sample Depth (m)				3.00	2.00	2.00
Sampling Date				18/11/2021	22/11/2021	22/11/2021
Determinand	Codes	Units	LOD			
Soil sample preparation parameters						
Moisture Content	N	%	0.1	20.0	17.2	15.9
Material removed	N	%	0.1	< 0.1	< 0.1	< 0.1
Description of Inert material removed	N		0	None	None	None
Metals						
Arsenic	M	mg/kg	1	n/t	n/t	n/t
Barium	U	mg/kg	10	n/t	n/t	n/t
Beryllium	U	mg/kg	1	n/t	n/t	n/t
Cadmium	M	mg/kg	0.5	n/t	n/t	n/t
Chromium	M	mg/kg	5	n/t	n/t	n/t
Chromium (III)	N	mg/kg	5	n/t	n/t	n/t
Copper	M	mg/kg	5	n/t	n/t	n/t
Lead	M	mg/kg	5	n/t	n/t	n/t
Mercury	M	mg/kg	0.5	n/t	n/t	n/t
Molybdenum	N	mg/kg	0.5	n/t	n/t	n/t
Nickel	M	mg/kg	5	n/t	n/t	n/t
Selenium	M	mg/kg	1	n/t	n/t	n/t
Vanadium	M	mg/kg	5	n/t	n/t	n/t
Zinc	M	mg/kg	5	n/t	n/t	n/t
Anions						
Water Soluble Sulphate	M	g/l	0.02	3.05	0.26	0.08
Water Soluble Sulphate	M	mg/kg	40	n/t	n/t	n/t
Inorganics						
Hexavalent Chromium	N	mg/kg	0.8	n/t	n/t	n/t
Total Sulphur	N	%	0.01	1.5	0.06	0.03
Acid Soluble Sulphate (SO ₄)	U	%	0.02	3.47	0.23	0.08
Water Soluble Boron	N	mg/kg	0.5	n/t	n/t	n/t
Miscellaneous						
Fraction of Organic Carbon	N		0.0001	n/t	n/t	n/t
pH	M	pH units	0.1	7.9	8.5	8.5
Soil Organic Matter	U	%	0.1	n/t	n/t	n/t
Total Organic Carbon	N	%	0.01	n/t	n/t	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference	259417	259437	259438
Customer Reference			
Sample ID			
Sample Type	SOIL	SOIL	SOIL
Sample Location	WS07	WS05	WS06
Sample Depth (m)	3.00	2.00	2.00
Sampling Date	18/11/2021	22/11/2021	22/11/2021

Determinand	Codes	Units	LOD			
Polyaromatic hydrocarbons						
Naphthalene	M	mg/kg	0.1	n/t	n/t	n/t
Acenaphthylene	M	mg/kg	0.1	n/t	n/t	n/t
Acenaphthene	M	mg/kg	0.1	n/t	n/t	n/t
Fluorene	M	mg/kg	0.1	n/t	n/t	n/t
Phenanthrene	M	mg/kg	0.1	n/t	n/t	n/t
Anthracene	M	mg/kg	0.1	n/t	n/t	n/t
Fluoranthene	M	mg/kg	0.1	n/t	n/t	n/t
Pyrene	M	mg/kg	0.1	n/t	n/t	n/t
Benzo(a)anthracene	M	mg/kg	0.1	n/t	n/t	n/t
Chrysene	M	mg/kg	0.1	n/t	n/t	n/t
Benzo(b)fluoranthene	M	mg/kg	0.1	n/t	n/t	n/t
Benzo(k)fluoranthene	M	mg/kg	0.1	n/t	n/t	n/t
Benzo(a)pyrene	M	mg/kg	0.1	n/t	n/t	n/t
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	n/t	n/t	n/t
Dibenzo(a,h)anthracene	M	mg/kg	0.1	n/t	n/t	n/t
Benzo(g,h,i)perylene	M	mg/kg	0.1	n/t	n/t	n/t
Total PAH(16)	M	mg/kg	0.4	n/t	n/t	n/t
Naphthalene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Acenaphthylene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Acenaphthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Fluorene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Phenanthrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Benzo(a)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Chrysene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Benzo(a)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	n/t	n/t	n/t
Total PAH(16) GCMS	N	mg/kg	0.04	n/t	n/t	n/t



Results Summary

2683

Report No.: 21-37389, issue number 2

ELAB Reference				259417	259437	259438
Customer Reference						
Sample ID						
Sample Type				SOIL	SOIL	SOIL
Sample Location				WS07	WS05	WS06
Sample Depth (m)				3.00	2.00	2.00
Sampling Date				18/11/2021	22/11/2021	22/11/2021
Determinand	Codes	Units	LOD			
BTEX						
Benzene	M	ug/kg	10	n/t	n/t	n/t
Toluene	M	ug/kg	10	n/t	n/t	n/t
Ethylbenzene	M	ug/kg	10	n/t	n/t	n/t
Xylenes	M	ug/kg	10	n/t	n/t	n/t
MTBE	N	ug/kg	10	n/t	n/t	n/t
TPH CWG						
>C5-C6 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t
>C6-C8 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t
>C8-C10 Aliphatic (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	n/t	n/t	n/t
>C10-C12 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t
>C12-C16 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t
>C16-C21 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t
>C21-C35 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t
>C35-C40 Aliphatic (EH_2D_AL)	M	mg/kg	1	n/t	n/t	n/t
Total aliphatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	n/t	n/t	n/t
>C5-C7 Aromatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t
>C7-C8 Aromatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t
>C8-C10 Aromatic (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	n/t	n/t	n/t
>C10-C12 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t
>C12-C16 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t
>C16-C21 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t
>C21-C35 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t
>C35-C40 Aromatic (EH_2D_AR)	M	mg/kg	1	n/t	n/t	n/t
Total aromatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	n/t	n/t	n/t
Total petroleum hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_Total)	N	mg/kg	1	n/t	n/t	n/t
PCB (WHO 12 Congeners)						
PCB 81	N	mg/kg	0.01	n/t	n/t	n/t
PCB 77	N	mg/kg	0.01	n/t	n/t	n/t
PCB 123	N	mg/kg	0.01	n/t	n/t	n/t
PCB 118	N	mg/kg	0.01	n/t	n/t	n/t
PCB 114	N	mg/kg	0.01	n/t	n/t	n/t
PCB 105	N	mg/kg	0.01	n/t	n/t	n/t
PCB 126	N	mg/kg	0.01	n/t	n/t	n/t
PCB 167	N	mg/kg	0.01	n/t	n/t	n/t
PCB 156	N	mg/kg	0.01	n/t	n/t	n/t
PCB 157	N	mg/kg	0.01	n/t	n/t	n/t
PCB 169	N	mg/kg	0.01	n/t	n/t	n/t
PCB 189	N	mg/kg	0.01	n/t	n/t	n/t



2683

Unit A2, Windrill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY
Tel: +44 (0)1424 718618. Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 21-37389, issue number 2

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #)
in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
259356	0.30	TP3 ES1	Brown Sandy Soil,Stones,Wood	No asbestos detected	n/t	n/t	n/t	n/t
259365	0.60	BH01 ES2	Brown sandy Soil,Stones,Brick	No asbestos detected	n/t	n/t	n/t	n/t
259368	0.80	WS01 ES2	Brown sandy Soil,Stones,Brick	No asbestos detected	n/t	n/t	n/t	n/t
259370	0.60	WS02 ES2	Brown sandy soil,Stones,Brick	No asbestos detected	n/t	n/t	n/t	n/t
259381	0.60	BH02 ES2	Brown Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
259388	0.30	TP9 ES1	Brown Soil,Stones,Synthetic Fibres,Wood	No asbestos detected	n/t	n/t	n/t	n/t
259390	0.30	BH03 ES2	Brown soil	No asbestos detected	n/t	n/t	n/t	n/t
259394	1.20	WS06 ES3	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 21-37389, issue number 2

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
PAH (GC-MS)	N	As submitted sample	07/12/2021		GC-MS
PCB (WHO 12 Congeners)	N	Air dried sample	03/12/2021		GC-MS
Hexavalent chromium	N	As submitted sample	03/12/2021	110	Colorimetry
pH	M	Air dried sample	07/12/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	17/12/2021	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	03/12/2021	118	ICPMS
PAH (GC-FID)	M	As submitted sample	02/12/2021	133	GC-FID
Water soluble anions	M	Air dried sample	03/12/2021	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	06/12/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	06/12/2021	181	GC-MS
BTEX in solids	M	As submitted sample	06/12/2021	181A	GC-MS
Water soluble boron	N	Air dried sample	03/12/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	06/12/2021	210	IR
TPH CWG soil by gc-gc	M	As submitted sample	02/12/2021	271	
Asbestos identification	U	Air dried sample	03/12/2021	280	Microscopy
Soil organic matter	U	Air dried sample	07/12/2021	BS1377:P3	Titrimetry

Tests marked N are not UKAS accredited

Report Information

Report No.: 21-37389, issue number 2

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"
LOD	LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination. Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed. ELAB are unable to provide an interpretation or opinion on the content of this report. The results relate only to the sample received. PCB congener results may include any coeluting PCBs Uncertainty of measurement for the determinands tested are available upon request Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage

TPH Classification - HWOL Acronym System

HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
2D	GC-GC - Double coil gas chromatography
#1	EH_Total but with humics mathematically subtracted
#2	EH_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry



A2 Site Investigation

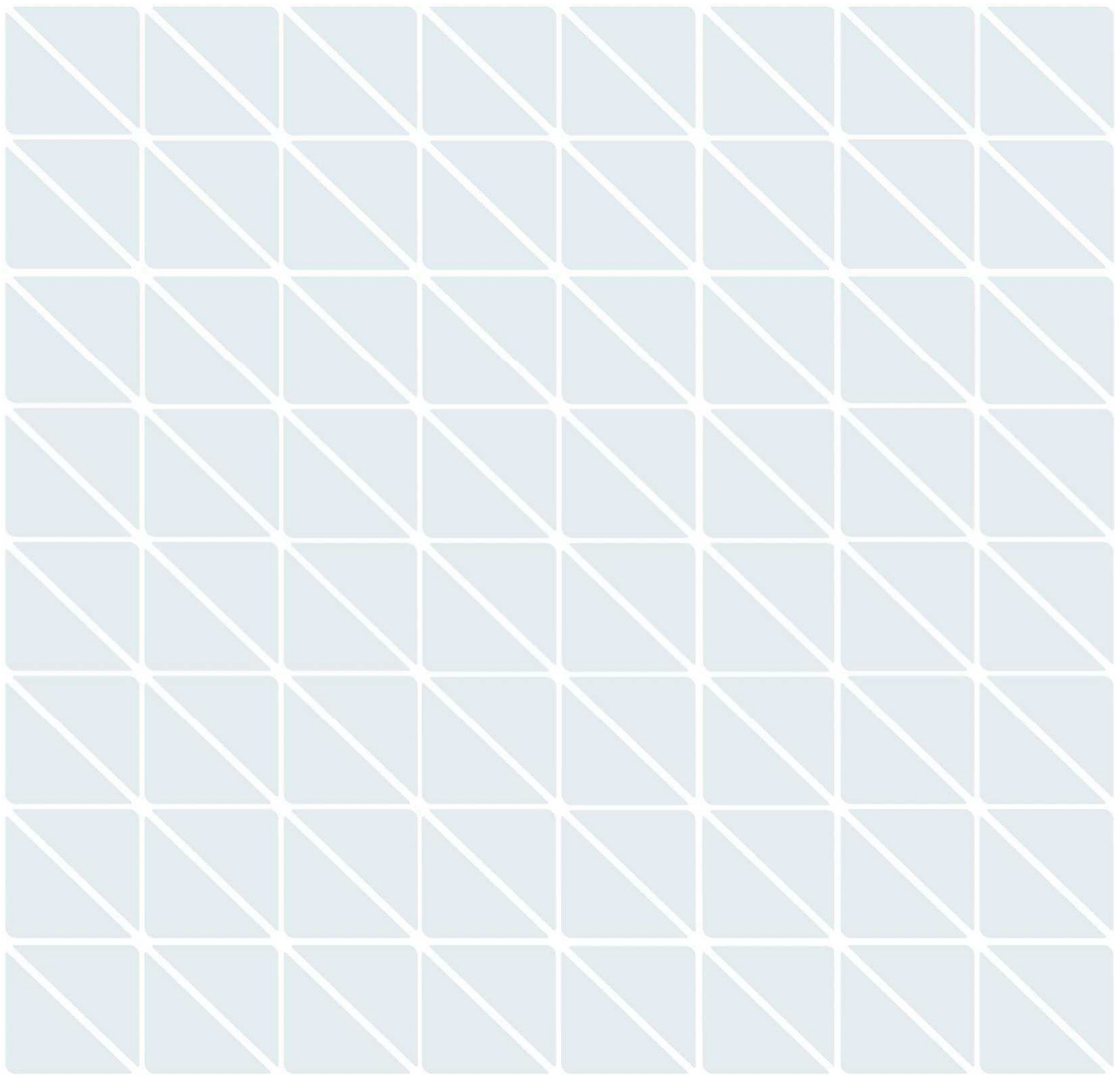
A2 Site Investigation Limited

One Westminster Bridge Rd
London, SE1 7XW

020 7021 0396

info@a2-si.com

www.a2-si.com





Appendix D: Qualitative Risk Assessment Matrix

A2 Site Investigations Ltd. qualitative risk assessment for geo-environmental purposes is undertaken in accordance with *CIRIA C552: Contaminated Land Risk Assessment, A Guide to Good Practice (Rudland et al., 2001)*. The CIRIA C552 risk categories and the assessment methodology are summarised below in Table D.1, Table D.2 and Table D.3. Potential magnitude and potential likelihood are both classified to enable a risk rating to be assessed.

Potential magnitude takes into account the potential consequences should a complete source–pathway–receptor linkage be present. Potential magnitude is classified as per Table D.1.

Table D.1 Definition of potential magnitude of consequence

Category	Definition
Severe	Acute risks to human health, catastrophic damage to buildings / property, major pollution to controlled waters.
Medium	Chronic risk to human health, pollution of sensitive controlled waters, significant effects on sensitive ecosystems or species, significant damage to buildings or structures.
Mild	Pollution of non-sensitive waters, minor damage to buildings or structures.
Minor	Damage to non-sensitive ecosystems or species.

Potential likelihood takes into account the presence of the hazard and receptor as well as the integrity of the pathway for exposure, i.e., whether a source-pathway-receptor linkage is present or not. Potential likelihood is classified as per Table D.2.

Table D.2 Definition of potential likelihood of exposure

Category	Definition
High Likelihood	Pollutant linkage may be present and is almost certain to occur in the long-term. Or there is evidence of harm to the receptor.
Likely	Pollutant linkage may be present, and it is probable that it will occur over the long-term.
Low Likelihood	Pollutant linkage may be present, and there is a possibility that it will occur, although there is no certainty that it will do so.
Unlikely	Pollutant linkage may be present, but it is improbable that it will occur.

The potential magnitude of consequence and the potential likelihood of exposure are assessed in accordance with the risk matrix presented in Table D.3.



Table D.3 Geo-environmental risk assessment matrix

		Potential Magnitude of Consequence			
		Severe	Medium	Mild	Minor
Potential Likelihood of Exposure	High Likelihood	Very High	High	Moderate	Low to Moderate
	Likely	High	Moderate	Low to Moderate	Low
	Low Likelihood	Moderate	Low to Moderate	Low	Very Low
	Unlikely	Low to Moderate	Low	Very Low	Very Low



Appendix E: GQRA Screening Tables

Human Health Generic Quantitative Assessment for Soil

Key:

Exemptions of the GAC 3

GAC - Generic Assessment Criteria

Laboratory Report Ref.	250366	250365	250368	256370	259371	256375	256378	256381	256384	259394	259413	259414	259415	259416	259417
Expository Location Ref.		TH3	BH01	WS01	WS02	WS04	WS04	BH02	TH9	BH03	BH01	WS01	WS02	WS03	WS04
Sample Depth (m)		0.30	0.80	0.80	1.00	0.30	0.80	0.80	0.30	0.30	1.20	3.00	2.00	2.00	3.00
Sample Date		16/11/2021	17/11/2021	17/11/2021	17/11/2021	18/11/2021	18/11/2021	18/11/2021	22/11/2021	22/11/2021	22/11/2021	18/11/2021	18/11/2021	18/11/2021	18/11/2021
Made Ground / Neutral ?		MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	LCF	LCF	LCF	LCF
						</									

Anions and Other																				
Water Soluble Sulphate	g/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Soluble Sulphate	mg/kg	-	799	23	43	53	-	-	-	-	-	-	-	-	-	-	-	-	-	3.05
Hexavalent Chromium	mg/kg	21	DEHRA CASLs	< 0.8	< 0.5	< 0.5	< 0.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Sulphur	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acid Soluble Sulphate (SO4)	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.47
Water Soluble Boron	mg/kg	11,000	LOM SAULs	< 0.5	< 0.5	0.6	0.6	0.6	-	-	-	-	-	-	-	-	-	-	-	-
Fraction of Organic Carbon		-	0.01/1	0.0114	0.20/5	0.02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	H unit	-	7.8	8.7	8.3	8.1	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9
Soil Organic Matter	%	-	2.2	1.0	0.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	%	-	1.7	1.7	0.75	2.1	2.2	4.3	2.0	2.0	0.46	2.2	0.58	1.4	-	-	-	-	-	-
Asbestos	%	Non Detection	Assigned GAC	Not Detected	Detected	Not Detected	-	-	-	-	Not Detected	Detected	Not Detected	Detected	-	-	-	-	-	-

Heavy Metals and Metalloids																				
Arsenic	mg/kg	40	DEHRA CASLs	14.4	20.3	19.0	22.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Berilium	mg/kg	1,300	CLAIPE GAC	85.1	194	246	161	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/kg	1.7	LOM SAULs	< 1.0	1.5	1.3	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/kg	150	DEHRA CASLs	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/kg	910	LOM SAULs	40.9	96.1	46.0	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III)	mg/kg	910	LOM SAULs	40.9	96.1	46.0	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	7,100	LOM SAULs	36.4	45.8	29.6	96.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	310	DEHRA CASLs	66.7	78.0	47.6	62.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/kg	1.2	LOM SAULs	< 0.2	< 0.2	< 0.2	< 0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	mg/kg	670	CLAIPE GAC	1.0	1.2	0.8	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	180	LOM SAULs	26.0	36.0	42.1	36.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/kg	430	LOM SAULs	< 1.0	< 1.0	< 1.0	< 1.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg	1,200	LOM SAULs	40.8	76.8	77.5	66.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	40,000	LOM SAULs	182	102	73.2	110	-	-	-	-	-	-	-	-	-	-	-	-	-

PAHs																				
Naphthalene	mg/kg	2.3	LOM SAULs	< 0.1	< 0.7	< 0.1														
Acenaphthylene	mg/kg	2,900	LOM SAULs	< 0.1	< 0.7	< 0.1	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-
Acenaphthene	mg/kg	3,000	LOM SAULs	0.2	< 0.7	< 0.1					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			

Human Health Generic Quantitative Assessment for Soil

Key:

Coverages of the G4-3

G4-3 - Generic Assessment Criteria

Laboratory Report Ref.	Explanatory Location Ref.	Units	Residential without home grown produce	GAC Ref.																	
					259356	259365	259368	259370	259371	259375	259378	259381	259388	259390	259394	259403	259413	259414	259415	259416	259417
Sample Depth (m)	Sample Date				TP3	BH01	WS01	WS02	WS02	WS04	WS07	BH02	TP9	BH03	WS06	BH01	WS04	WS02	WS03	WS04	WS07
					0.30	0.60	0.80	0.80	1.00	0.30	0.60	0.60	0.30	0.30	1.20	3.00	2.00	2.00	2.00	2.00	3.00
					16/11/2021	16/11/2021	17/11/2021	17/11/2021	17/11/2021	18/11/2021	18/11/2021	18/11/2021	18/11/2021	22/11/2021	22/11/2021	22/11/2021	18/11/2021	18/11/2021	18/11/2021	18/11/2021	18/11/2021
Fluorene	mg/kg	2.800		LOM SAULS	< 0.1	< 1.7	< 3.7	< 0.1	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-	-	-	-
Phenanthrene	mg/kg	1.300		LOM SAULS	< 0.1	0.2	< 0.7	0.3	-	-	-	< 0.1	< 0.1	< 0.1	0.01	-	-	-	-	-	-
Anthracene	mg/kg	31.000		LOM SAULS	< 0.1	< 1.7	< 3.7	0.1	-	-	-	< 0.1	< 0.1	< 0.1	< 0.01	-	-	-	-	-	-
Fluoranthene	mg/kg	1.500		LOM SAULS	0.3	0.5	< 0.7	0.7	-	-	-	< 0.1	< 0.1	< 0.1	0.02	-	-	-	-	-	-
Pyrene	mg/kg	3.700		LOM SAULS	0.3	0.3	< 3.7	0.5	-	-	-	< 0.1	< 0.1	< 0.1	0.01	-	-	-	-	-	-
Benzo(a)anthracene	mg/kg	11		LOM SAULS	0.2	0.4	< 0.7	0.3	-	-	-	< 0.1	< 0.1	< 0.1	< 0.01	-	-	-	-	-	-
Chrysene	mg/kg	30		LOM SAULS	0.2	0.5	< 3.7	0.4	-	-	-	< 0.1	< 0.1	< 0.1	< 0.01	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	3.9		LOM SAULS	< 0.1	0.3	< 0.7	0.4	-	-	-	< 0.1	< 0.1	< 0.1	< 0.01	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	110		LOM SAULS	< 0.1	0.3	< 0.7	0.7	-	-	-	< 0.1	< 0.1	< 0.1	< 0.01	-	-	-	-	-	-
Benzo(a)pyrene	mg/kg	5.3		DEFRA C4SLs	< 0.1	0.3	< 0.7	0.4	-	-	-	< 0.1	< 0.1	< 0.1	< 0.01	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	45		LOM SAULS	< 0.1	0.7	< 3.7	0.2	-	-	-	< 0.1	< 0.1	< 0.1	< 0.01	-	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.31		LOM SAULS	< 0.1	< 0.7	< 0.7	< 0.1	-	-	-	< 0.1	< 0.1	< 0.1	< 0.01	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/kg	380		LOM SAULS	0.1	< 0.7	< 3.7	0.2	-	-	-	< 0.1	< 0.1	< 0.1	< 0.01	-	-	-	-	-	-
Total PAH(15)	mg/kg	-		-	1.7	3.3	< 3.4	4.1	-	-	-	< 0.4	< 0.4	< 0.1	0.07	-	-	-	-	-	-

TPH																			
>C5-C6 Aliphatic	mg/kg	42	LOM SAULS	< 0.01	< 0.07	< 0.01	< 0.07	-	-	< 0.01	< 0.01	< 0.01	< 0.01	-	-	-	-	-	-
>C6-C8 Aliphatic	mg/kg	100	LOM SAULS	< 0.01	< 0.04	< 0.01	< 0.01	-	-	< 0.01	< 0.07	< 0.01	< 0.01	-	-	-	-	-	-
>C8-C10 Aliphatic	mg/kg	27	LOM SAULS	< 1.0	< 1.0	< 1.0	< 7.0	-	-	< 1.0	< 7.0	< 1.0	< 1.0	-	-	-	-	-	-
>C10-C12 Aliphatic	mg/kg	130	LOM SAULS	< 1.0	< 1.0	< 1.0	< 7.0	-	-	< 1.0	< 7.0	< 1.0	< 1.0	-	-	-	-	-	-
>C12-C16 Aliphatic	mg/kg	1100	LOM SAULS	< 1.0	< 1.0	< 1.0	< 7.0	-	-	< 1.0	< 7.0	< 1.0	< 1.0	-	-	-	-	-	-
>C16-C27 Aliphatic	mg/kg	65,000	LOM SAULS	< 1.0	< 1.0	< 1.0	< 7.0	-	-	< 1.0	< 7.0	< 1.0	< 1.0	-	-	-	-	-	-
>C21-C38 Aliphatic	mg/kg			< 1.0	7.1	< 1.0	< 7.0	-	-	< 1.0	21.7	< 1.0	60.9	-	-	-	-	-	-
>C35-C40 Aliphatic	mg/kg	65,000	LOM SAULS	< 1.0	1.4	< 1.0	< 7.0	-	-	< 1.0	5.4	< 1.0	14.4	-	-	-	-	-	-
Total aliphatic hydrocarbons (>C5 - C40)	mg/kg	-		< 1.0	9	< 1.0	< 7.0	-	-	< 1.0	29.3	< 1.0	69.3	-	-	-	-	-	-
>C5-C7 Aromatic	mg/kg	370	LOM SAULS	< 0.01	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.07	< 0.01	< 0.01	-	-	-	-	-	-
>C7-C8 Aromatic	mg/kg	860	LOM SAULS	< 0.01	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.07	< 0.01	< 0.01	-	-	-	-	-	-
>C8-C10 Aromatic	mg/kg	47	LOM SAULS	< 1.0	< 1.0	< 1.0	< 7.0	-	-	< 1.0	< 7.0	< 1.0	< 1.0	-	-	-	-	-	-
>C10-C12 Aromatic	mg/kg	250	LOM SAULS	< 1.0	< 1.0	< 1.0	< 7.0	-	-	< 1.0	< 7.0	< 1.0	< 1.0	-	-	-	-	-	-
>C12-C16 Aromatic	mg/kg	1,800	LOM SAULS	< 1.0	< 1.0	< 1.0	< 7.0	-	-	< 1.0	< 7.0	< 1.0	< 1.0	-	-	-	-	-	-
>C16-C27 Aromatic	mg/kg	1,900	LOM SAULS	< 1.0	< 1.0	< 1.0	< 7.0	-	-	< 1.0	< 7.0	< 1.0	< 1.0	-	-	-	-	-	-

Human Health Generic Quantitative Assessment for Soil

Key:

Exemptions of the GAC 3

GAC - Generic Assessment Criteria

Laboratory Report Ref.	Units	Residential without home grown produce	GAC Ref.	259356	259365	259368	259370	259371	259375	259378	259381	259388	259390	259394	259403	259413	259414	259415	259416	259417
				TP3	BH01	WS01	WS02	WS02	WS04	WS07	BH02	TP9	BH03	WS06	BH01	WS04	WS02	WS03	WS04	WS07
Sample Depth (m)				0.30	0.60	0.90	0.60	1.00	0.30	0.60	0.60	0.30	0.30	1.20	3.00	2.00	2.00	2.00	2.00	3.00
Sample Date				16/11/202	16/11/202	17/11/202	17/11/202	17/11/202	18/11/202	18/11/202	18/11/202	17/11/202	22/11/202	22/11/202	22/11/202	18/11/202	18/11/202	18/11/202	18/11/202	18/11/202
>C21-C35 Aromatic	mg/kg	1,900	LOM SAULS	2.1	1.9	<1.0	7.3	-	-	-	<1.0	6.2	<1.0	7.7	-	-	-	-	-	-
>C36-C40 Aromatic	mg/kg	1,900	LOM SAULS	<1.0	<1.0	<1.0	<1.0	-	-	-	<1.0	7.4	<1.0	32.6	-	-	-	-	-	-
Total aromatic hydrocarbons (>C5 - C40) mg/kg		-		3.2	3.7	<1.0	7.8	-	-	-	1.4	6.2	<1.0	229	-	-	-	-	-	-
Total petroleum hydrocarbons (>C5 - C40) mg/kg		-		4	77.4	<1.0	7.8				77.3	37.9	<1.0	319						

BTEX and MTBE

Benzene	ug/kg	890	DEFRA CASLS	<10.0	<10.0	<10.0	<10.0	-	-	-	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	-
Toluene	ug/kg	890,000	LOM SAULS	<10.0	<10.0	<10.0	<10.0	-	-	-	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	-
Ethylbenzene	ug/kg	83,000	LOM SAULS	<10.0	<10.0	<10.0	<10.0	-	-	-	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	-
Xylenes	ug/kg	79,000	LOM SAULS	<10.0	<10.0	<10.0	<10.0	-	-	-	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	-
MTBE	ug/kg	73,000	CLAIRE GAC	<10.0	<10.0	<10.0	<10.0	-	-	-	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	-

Human Health Generic Quantitative Assessment for Soil

Key:

Concentrations of the GAC 3

GAC 3 - Generic Assessment Criteria

Laboratory Report Ref.	Explanatory Location Ref.	Units	Residential without home grown produce	GAC Ref.	259356	259365	259368	259370	259371	259375	259378	259381	259388	259390	259394	259403	259413	259414	259415	259416	259417
					TP3	BH01	WS01	WS02	WS02	WS04	WS07	BH02	TP9	BH03	WS06	BH01	WS01	WS02	WS03	WS04	WS07
Sample Depth (m)					0.30	0.60	0.90	0.60	1.00	0.30	0.60	0.60	0.30	0.30	1.20	3.00	2.00	2.00	2.00	2.00	3.00
Sample Date					16/11/202	16/11/202	17/11/202	17/11/202	17/11/202	18/11/202	18/11/202	18/11/202	17/11/202	22/11/202	22/11/202	22/11/202	17/11/202	18/11/202	18/11/202	18/11/202	18/11/202

PCBs																					
PCB 81	µg/kg	0.008	FA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 77	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 123	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 118	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 114	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 105	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 126	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 167	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 166	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 167	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 169	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-
PCB 189	µg/kg	0.008	EA SGV5	-	< 0.01	-	-	-	-	-	-	< 0.01	-	< 0.07	-	-	-	-	-	-	-



A2 Site Investigation

A2 Site Investigation Limited

One Westminster Bridge Rd
London, SE1 7XW

020 7021 0396

info@a2-si.com

www.a2-si.com

