Client:

TOBIN
CONSULTING ENGINEERS

Project Code:
14663-04-25

Project Title:
Dig Plan Galway Harbour

Drawing Title:
Figure 11 Waste Categories
3.00m to 4.00m BGL

GROUND INVESTIGATIONS IRELAND
Geotechnical & Environmental
Ground Investigations Ireland Ltd.
Catherinstown House,
Hazelhatch Road,
Newcastle, Co. Dublin
www.gii.ie 01-6015175/5176

0 20 40 60 80 m

Drawn By:	Date:
JK	18-07-25

APPENDIX 2 – Trial Pit Records

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-01
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.30m x 2.40m x 2.50m (L x W x D)	**Ground Level (mOD)** 4.14	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530229.2 E 724918.6 N	**Dates** 09/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES				(0.50)	MADE GROUND: grey slightly sandy angular fine to coarse Gravel		
				3.64	0.50			
0.70	B				(0.30)	MADE GROUND: brownish grey clayey sandy subangular to subrounded fine to coarse Gravel with medium cobble content and rare fragments of plastic		
				3.34	0.80			
1.00-2.00	ES				(0.40)	MADE GROUND: dark grey slightly clayey sandy angular Gravel with high cobble and medium cobble content with rare fragments of plastic		
				2.94	1.20			
1.50	B				(1.30)	MADE GROUND: dark grey angular Cobbles and Boulders with a lot of slightly clayey sandy angular Gravel		
2.00-2.50	ES					Obstruction - Presumed boulder		
				1.64	2.50	Terminated at 2.50m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall spalling.
Trial pit terminated at 2.50m BGL due to obstruction
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-01

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-02
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.30m x 2.00m x 2.60m (L x W x D)	**Ground Level (mOD)** 4.22	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530254.5 E 724937.9 N	**Dates** 09/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES			4.14	(0.08) 0.08	CONCRETE		
					(0.52)	MADE GROUND: brownish grey clayey sandy angular to subangular fine to coarse Gravel with high cobble content and rare fragments of red brick		
				3.62	0.60	MADE GROUND: grey Cobbles and Boulders with some slightly sandy clayey Gravel		
1.00 1.00-2.00	B ES							
					(2.00)			
2.00 2.00-2.60	B ES							
						Obstruction - Presumed boulder		
				1.62	2.60	Terminated at 2.60m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sdiewall collapse.
Trial pit terminated at 2.60m BGL due to obstruction
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP02

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-03
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.10m x 2.00m x 3.10m (L x W x D)	**Ground Level (mOD)** 5.11	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530205.9 E 724946.8 N	**Dates** 10/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES			4.99	(0.12) 0.12	CONCRETE		
					(0.28)	MADE GROUND: grey slightly sandy angular fine to coarse Gravel		
				4.71	0.40	MADE GROUND: dark grey clayey sandy subangular to subrounded fine to coarse Gravel with low cobble content and rare fragments of red brick		
					(0.40)			
				4.31	0.80	MADE GROUND: greyish brown Cobbles and Boulders with some clayey sandy Gravel		
1.00-2.00	ES				(0.70)			
1.20	B							
				3.61	1.50	MADE GROUND: greyish brown slightly clayey slightly sandy subangular to subrounded fine to coarse Gravel with medium cobble content		
2.00-3.00	ES							
2.20	B				(1.60)			
						Obstruction - Presumed boulder		
				2.01	3.10	Terminated at 3.10m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall spalling.
Trial pit terminated at 3.10m BGL due to obstruction. Presumed boulder.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-03

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-04
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.40m x 2.00m x 2.90m (L x W x D)	**Ground Level (mOD)** 5.02	**Client** The Land Development Agency Ireland
	Location 530191.8 E 724960.2 N	**Dates** 11/07/2024	**Engineer**

Job Number 13885-06-24

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES				(0.18)	CONCRETE		
				4.84	0.18	MADE GROUND: grey slightly sandy angular fine to coarse Gravel		
					(0.22)			
				4.62	0.40	MADE GROUND: greyish brown sandy gravelly Clay with medium cobble and high boulder content and occasional fragments of plastic		
					(0.80)			
1.00 1.00-2.00	B ES							
				3.82	1.20	MADE GROUND: dark brown and grey Cobbles and Boulders with some gravelly Clay and occasional fragments of plastic and metal		
					(0.70)			
				3.12	1.90	MADE GROUND: dark brown slightly sandy gravelly Clay with high cobble and boulder content		
2.00 2.00-2.90	B ES							
					(1.00)			
						Obstruction - Presumed boulder		
				2.12	2.90	Terminated at 2.90m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall spalling.
Trial pit terminated at 2.90m BGL due to obstruction. Presumed boulder.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-04

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-05
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.50m x 2.20m x 3.70m (L x W x D)	**Ground Level (mOD)** 5.12	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530215 E 724962.4 N	**Dates** 10/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES				(0.16)	CONCRETE		
				4.96	0.16	MADE GROUND: grey slightly sandy angular fine to coarse Gravel with medium cobble content		
					(0.44)			
0.60	B			4.52	0.60	MADE GROUND: dark grey slightly clayey sandy angular to subangular fine to coarse Gravel with medium cobble and boulder content		
					(0.30)			
1.00-2.00	ES			4.22	0.90	MADE GROUND: greyish brown Cobbles and Boulders with some clayey sandy Gravel		
1.80	B				(1.90)			
2.00-3.00	ES							
				2.32	2.80	MADE GROUND: greyish brown slightly clayey slightly sandy subangular to subrounded fine to coarse Gravel with medium cobble content		
3.00-3.70	ES				(0.90)			
						Obstruction - Presumed boulder		
				1.42	3.70	Terminated at 3.70m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall spalling.
Trial pit terminated at 3.70m BGL due to obstruction. Presumed boulder.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-05

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-06
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.30m x 2.10m x 3.00m (L x W x D)	**Ground Level (mOD)** 4.89	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530252.1 E 724983.1 N	**Dates** 10/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES				(0.30)	MADE GROUND: grey slightly sandy angular fine to coarse Gravel		
				4.59	0.30			
					(0.20)	CONCRETE		
				4.39	0.50			
1.00 1.00-2.00	B ES				(1.00)	MADE GROUND: brown sandy gravelly Clay with medium cobble content and occasional fragments of red brick and plastic		
				3.39	1.50			
2.00 2.00-3.00	B ES				(1.50)	MADE GROUND: brown sandy gravelly Clay with medium cobble content		
						Obstruction - Presumed boulder		
				1.89	3.00	Terminated at 3.00m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall collapse.
Trial pit terminated at 3.00m BGL due to obstruction. Presumed boulder.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-06

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-07
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.30m x 2.00m x 2.70m (L x W x D)	**Ground Level (mOD)** 4.68	**Client** The Land Development Agency Ireland
	Location 530274.8 E 724951.4 N	**Dates** 09/07/2024	**Engineer**

Job Number 13885-06-24

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES			4.60	(0.08) 0.08	CONCRETE		
				4.43	(0.17) 0.25	MADE GROUND: grey clayey slightly clayey slightly sandy angular to subangular fine to coarse Gravel with medium cobble and boulder content		
0.50	B				(0.35)	MADE GROUND: brown slightly sandy gravelly Clay with medium cobble and boulder content with occasional fragments of red brick, ceramic and plastic		
				4.08	0.60			
				3.98	(0.10) 0.70	CONCRETE		
					(0.30)	MADE GROUND: brownish grey COBBLES and BOULDERS with some clayey sandy Gravel		
1.00-2.00	ES			3.68	1.00	MADE GROUND: dark grey clayey sandy angular to subangular fine to coarse Gravel with high cobble and boulder content		
1.50	B				(1.70)			
2.00-2.70	ES							
						Obstruction - Presumed boulder		
				1.98	2.70	Terminated at 2.70m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall spalling.
Trial pit terminated at 2.70m BGL due to obstruction
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-07

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-08
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.10m x 2.10m x 3.60m (L x W x D)	**Ground Level (mOD)** 5.39	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530248.8 E 725002.4 N	**Dates** 11/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES				(0.15)	CONCRETE		
				5.24	0.15	MADE GROUND: grey Cobbles with some sandy Gravel		
					(0.30)			
				4.94	0.45	TARMAC		
				4.86	(0.08) 0.53			
						MADE GROUND: brownish grey Cobbles and Boulders with some clayey sandy angular to subangular fine to coarse Gravel with rare fragments of red brick and shell		
1.00-2.00	ES				(0.97)			
1.20	B							
				3.89	1.50	MADE GROUND: brownish grey Cobbles and Boulders with a little clayey sandy angular to subangular fine to coarse Gravel with rare fragments of red brick and shell		
2.00-3.00	ES							
2.20	B							
					(2.10)			
3.00-3.60	ES							
						Obstruction - Presumed boulder		
				1.79	3.60	Terminated at 3.60m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall spalling.
Trial pit terminated at 3.60m BGL due to obstruction. Presumed boulder.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-08

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-09
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.20m x 2.10m x 3.20m (L x W x D)	**Ground Level (mOD)** 4.98	**Client** The Land Development Agency Ireland
	Location 530268.4 E 724999.9 N	**Dates** 11/07/2024	**Engineer**
			Job Number 13885-06-24
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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES				(0.16)	CONCRETE		
				4.82	0.16	MADE GROUND: grey sandy angular to subangular fine to coarse Gravel		
					(0.34)			
				4.48	0.50	MADE GROUND: dark grey Cobbles and Boulders with some sandy gravelly Clay		
1.00-2.00	ES				(0.80)			
				3.68	1.30	MADE GROUND: dark grey Cobbles and Boulders with some slightly sandy very clayey subangular to subrounded fine to coarse Gravel		
1.50	B				(0.50)			
				3.18	1.80	MADE GROUND: grey slightly sandy clayey subangular to subrounded fine to coarse Gravel with high cobble and low boulder content		
2.00-3.00	ES							
					(1.40)			
2.60	B							
				1.78	3.20	Terminated at 3.20m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall collapsing
Trial pit terminated at 3.60m BGL due to sidewall collapse.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-09

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-10
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.20m x 2.00m x 4.00m (L x W x D)	**Ground Level (mOD)** 5.20	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530226.8 E 725024.1 N	**Dates** 11/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES			5.15	0.05	MADE GROUND: Grey sandy angular to subangular fine to coarse Gravel		
					(0.15)			
				5.00	0.20	CONCRETE		
						MADE GROUND: grey slightly clayey sandy angular to subangular fine to coarse Gravel with low cobble content		
					(0.50)			
				4.50	0.70	MADE GROUND: Brown slightly sandy gravelly Clay with many fragments of red brick, metal, shell, timber and plastic		
0.80	B							
1.00-2.00	ES							
					(1.00)			
				3.50	1.70	MADE GROUND: Brown slightly sandy gravelly Clay with occasional fragments of red brick, metal, shell, timber and plastic		
2.00-3.00	ES							
2.60	B							
					(2.30)			
3.00-4.00	ES							
						Obstruction - Presumed boulder		
				1.20	4.00			

Plan

Remarks

No groundwater encountered
Trial pit stable.
Trial pit complete at 4.00m BGL.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-10

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-11
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.60m x 2.30m x 1.70m (L x W x D)	**Ground Level (mOD)** 5.55	**Client** The Land Development Agency Ireland
	Location 530251.6 E 725017.4 N	**Dates** 11/07/2024	**Engineer**
			Job Number 13885-06-24 **Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES			5.42	(0.13) 0.13	CONCRETE		
					(0.27)	MADE GROUND: grey slightly sandy angular fine to coarse Gravel		
				5.15	0.40			
				5.05	(0.10) 0.50	TARMAC		
0.80	B					MADE GROUND: brownish grey slightly sandy clayey subangular to subrounded fine to coarse Gravel		
1.00-1.70	ES				(1.20)			
				3.85	1.70	Obstruction - Presumed boulder		
						Terminated at 1.70m		

Plan

Remarks

No groundwater encountered
Trial pit stable.
Trial pit terminated at 1.70m BGL due to obstruction. Presumed boulder.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-11

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-12
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.00m x 2.00m x 3.60m (L x W x D)	**Ground Level (mOD)** 5.08	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530304.1 E 725022.4 N	**Dates** 11/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES				(0.18)	CONCRETE		
				4.90	0.18	MADE GROUND: grey sandy angular to subangular fine to coarse Gravel		
					(0.22)			
				4.68	0.40	MADE GROUND: dark grey Cobbles and Boulders with some slightly sandy clayey angular to subangular fine to coarse Gravel		
					(0.80)			
1.00 1.00-2.00	B ES							
				3.88	1.20	MADE GROUND: brown slightly sandy gravelly Clay with medium cobble and boulder content		
2.00-3.00	ES							
					(2.40)			
2.50	B							
3.00-3.60	ES							
						Obstruction - Presumed boulder		
				1.48	3.60	Terminated at 3.60m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall collapsing
Trial pit terminated at 3.60m BGL due to obstruction. Presumed boulder.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-12

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-13
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.30m x 2.10m x 2.80m (L x W x D)	**Ground Level (mOD)** 5.87	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530312.8 E 725053.3 N	**Dates** 12/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES				(0.15)	CONCRETE		
				5.72	0.15			
					(0.20)	MADE GROUND: grey sandy angular to subangular fine to coarse Gravel		
				5.52	0.35			
0.50	B					MADE GROUND: dark grey Cobbles and Boulders with much sandy gravelly Clay		
1.00-2.00	ES							
					(2.45)			
2.00-2.80	ES							
						Obstruction - presumed boulder		
				3.07	2.80			
						Terminated at 2.80m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall spalling.
Trial pit terminated at 2.80m BGL due to obstruction. Presumed boulder.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-13

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-14
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.40m x 2.20m x 3.20m (L x W x D)	**Ground Level (mOD)** 5.40	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530313.9 E 725093.2 N	**Dates** 12/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES			5.32	(0.08) 0.08	CONCRETE		
					(0.22)	MADE GROUND: grey sandy angular to subangular fine to coarse Gravel		
				5.10	0.30	MADE GROUND: brown slightly sandy clayey subangular to subrounded fine to coarse Gravel with medium cobble and boulder content and occasional fragments of red brick, concrete and plastic.		
0.60	B							
1.00-2.00	ES							
					(2.90)			
2.00	B							
2.00-2.80	ES							
				2.20	3.20	Obstruction - presumed boulder Terminated at 3.20m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall spalling.
Trial pit terminated at 3.20m BGL due to obstruction. Presumed boulder.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-13

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Site Galway Port, Co. Galway			**Trial Pit Number** TP1-15
Machine : 13T Excavator **Method :** Trial Pit	**Dimensions** 3.00m x 2.00m x 2.60m (L x W x D)	**Ground Level (mOD)** 5.07	**Client** The Land Development Agency Ireland	**Job Number** 13885-06-24
	Location 530352.3 E 725155.3 N	**Dates** 12/07/2024	**Engineer**	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	ES				(0.30)	MADE GROUND: grey sandy angular to subangular fine to coarse Gravel		
				4.77	0.30	MADE GROUND: brown slightly sandy clayey subangular to subrounded fine to coarse Gravel with low cobble and boulder content		
					(0.60)			
				4.17	0.90	MADE GROUND: dark grey slightly sandy gravelly Clay with occasional fragments of red brick, concrete and plastic		
1.00 1.00-2.00	B ES							
					(1.70)			
2.00-2.80	ES							
						Obstruction - presumed boulder		
				2.47	2.60	Terminated at 2.60m		

Plan

Remarks

No groundwater encountered
Trial pit unstable. Sidewall spalling.
Trial pit terminated at 3.20m BGL due to obstruction. Presumed boulder.
Trial pit backfilled upon completion

Scale (approx)	Logged By	Figure No.
1:25	SB	13885-06-24.TP1-15

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APPENDIX 3 – Window Sample Records

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Site Galway Harbour Company			**Number** WS201
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.20m	**Ground Level (mOD)** 4.29	**Client** Galway Harbour
	Location 530243.2 E 724874.1 N	**Dates** 29/09/2022	**Engineer** MKO Consultants

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Job Number 12058-07-22

Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.20)	FILL: Grey sandy coarse angular Gravel (Crushed Rock Fill)		
				4.09	0.20	Complete at 0.20m		

Remarks
0.00m-0.20m BGL: 0% Recovery
Refusal at 0.20m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS201

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Ground Investigations Ireland Ltd
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Site Galway Harbour Company			**Number** WS202
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.30m	**Ground Level (mOD)** 4.29	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530234.6 E 724908.9 N	**Dates** 29/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.30)	FILL: Grey sandy coarse angular Gravel (Crushed Rock Fill)		
				3.99	0.30	Complete at 0.30m		

Remarks
0.00m-0.30m BGL: 0% Recovery
Refusal at 0.30m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS202

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Site Galway Harbour Company			**Number** WS203
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.70m	**Ground Level (mOD)** 4.74	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530286.4 E 724939.3 N	**Dates** 29/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.70	ES				(0.70)	FILL: Grey sandy coarse angular Gravel (Crushed Rock Fill) with occasional fragments of concrete		
				4.04	0.70	Complete at 0.70m		

Remarks
0.00m-0.70m BGL: 60% Recovery
Refusal at 0.70m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS203

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Site Galway Harbour Company			**Number** WS204
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.40m	**Ground Level (mOD)** 4.79	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530270.6 E 724968.7 N	**Dates** 29/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.40)	FILL: Grey sandy coarse angular Gravel (Crushed Rock Fill))		
				4.39	0.40	Complete at 0.40m		

Remarks
0.00m-0.40m BGL: 0% Recovery
Refusal at 0.40m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS204

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Site Galway Harbour Company			**Number** WS205
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.50m	**Ground Level (mOD)** 5.28	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530244.1 E 724984.6 N	**Dates** 29/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.50)	FILL: Grey sandy coarse angular Gravel (Crushed Rock Fill)		
				4.78	0.50	Complete at 0.50m		

Remarks
0.00m-0.50m BGL: 0% Recovery
Refusal at 0.50m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS203

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Site Galway Harbour Company			**Number** WS206
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.50m	**Ground Level (mOD)** 5.09	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530201.4 E 724950.8 N	**Dates** 29/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	ES				(0.50)	FILL: Black clayey sandy coarse angular Gravel (Crushed Rock Fill) with fragments of metal, concrete and tar		
				4.59	0.50	Complete at 0.50m		

Remarks
0.00m-0.50m BGL: 90% Recovery
Refusal at 0.50m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS206

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Site Galway Harbour Company			**Number** WS207
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.60m	**Ground Level (mOD)** 4.86	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530171.4 E 724967.6 N	**Dates** 29/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.60	ES				(0.60)	FILL: Black clayey sandy coarse angular Gravel (Crushed Rock Fill) with fragments of metal, concrete and tar		
				4.26	0.60	Complete at 0.60m		

Remarks
0.00m-0.60m BGL: 70% Recovery
Refusal at 0.60m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS207

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Site Galway Harbour Company			**Number** WS208
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.60m	**Ground Level (mOD)** 4.99	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530213.3 E 724989.4 N	**Dates** 29/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.60	ES				(0.60)	FILL: Black clayey sandy coarse angular Gravel (Crushed Rock Fill) with fragments of metal, concrete and tar		
				4.39	0.60	Complete at 0.60m		

Remarks
0.00m-0.60m BGL: 65% Recovery
Refusal at 0.60m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS208

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Site Galway Harbour Company			**Number** WS209
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.60m	**Ground Level (mOD)** 5.34	**Client** Galway Harbour
	Location 530238.3 E 725031.9 N	**Dates** 30/09/2022	**Engineer** MKO Consultants

Job Number 12058-07-22

Sheet 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.60	ES				(0.60)	FILL: Black/grey clayey sandy coarse angular Gravel (Crushed Rock Fill)		
				4.74	0.60	Complete at 0.60m		

Remarks
0.00m-0.60m BGL: 70% Recovery
Refusal at 0.60m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS209

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Site Galway Harbour Company			**Number** WS210
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.90m	**Ground Level (mOD)** 5.18	**Client** Galway Harbour
	Location 530264.1 E 725008.6 N	**Dates** 29/09/2022	**Engineer** MKO Consultants

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Job Number 12058-07-22

Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.90	ES			5.13	0.05	TARMACADAM		
					(0.85)	FILL: Black clayey sandy coarse angular Gravel (Crushed Rock Fill) with fragments of metal, concrete and tar		
				4.28	0.90	Complete at 0.90m		

Remarks
0.00m-0.90m BGL: 60% Recovery
Refusal at 0.90m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS210

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Site Galway Harbour Company			**Number** WS211
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.70m	**Ground Level (mOD)** 5.39	**Client** Galway Harbour
	Location 530329.4 E 725031.9 N	**Dates** 29/09/2022	**Engineer** MKO Consultants

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.70	ES			5.29	(0.10) 0.10	TOPSOIL		
					(0.60)	FILL: Black clayey sandy coarse angular Gravel (Crushed Rock Fill) with fragments of metal, concrete and tar		
				4.69	0.70	Complete at 0.70m		

Remarks
0.00m-0.70m BGL: 60% Recovery
Refusal at 0.70m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS211

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Site Galway Harbour Company			**Number** WS212
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.60m	**Ground Level (mOD)** 5.70	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530326.3 E 725067.8 N	**Dates** 29/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.60	ES			5.60	(0.10) 0.10	TOPSOIL		
						FILL: Black clayey sandy coarse angular Gravel (Crushed Rock Fill) with fragments of metal, concrete and tar		
					(0.50)			
				5.10	0.60	Complete at 0.60m		

Remarks
0.00m-0.60m BGL: 90% Recovery
Refusal at 0.60m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS212

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Site Galway Harbour Company			**Number** WS213
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.50m	**Ground Level (mOD)** 5.62	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530299.8 E 725100.4 N	**Dates** 30/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	ES				(0.50)	FILL: Grey clayey sandy coarse angular Gravel (Crushed Rock Fill)		
				5.12	0.50	Complete at 0.50m		

Remarks
0.00m-0.50m BGL: 90% Recovery
Refusal at 0.50m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS213

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Site Galway Harbour Company			**Number** WS214
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.50m	**Ground Level (mOD)** 5.35	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530331 E 725112.8 N	**Dates** 30/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	ES				(0.50)	FILL: Grey clayey sandy coarse angular Gravel (Crushed Rock Fill)		
				4.85	0.50	Complete at 0.50m		

Remarks
0.00m-0.50m BGL: 100% Recovery
Refusal at 0.50m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS214

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Site Galway Harbour Company			**Number** WS215
Machine : Tecop 10 **Method :** Drive-in Windowless Sampler	**Dimensions** 68mm to 0.50m	**Ground Level (mOD)** 4.92	**Client** Galway Harbour	**Job Number** 12058-07-22
	Location 530359.6 E 725165.8 N	**Dates** 29/09/2022	**Engineer** MKO Consultants	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	ES				(0.50)	FILL: Black clayey sandy coarse angular Gravel (Crushed Rock Fill) with fragments of metal, concrete and tar		
				4.42	0.50	Complete at 0.50m		

Remarks
0.00m-0.50m BGL: 95% Recovery
Refusal at 0.50m BGL

Scale (approx)	Logged By
1:25	AB

Figure No. 12058-07-22.WS215

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Site Galway Port			**Number** WS-01
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants **Job Number** 8979-08-19
	Location 530007.3 E 725070.8 N	**Dates** 02/09/2019	**Project Contractor** Ground Investigations Ireland **Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	EN				0.06	TARMACADAM		
					(0.44)	MADE GROUND: Grey sandy slightly clayey fine to coarse subangular GRAVEL with occasional subangular to subangular cobbles.		
					0.50	Complete at 0.50m		

Remarks
Refusal at 0.50m due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-01

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Site Galway Port			**Number** WS-02
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants RECEIVED: 19/09/2025	**Job Number** 8979-08-19
	Location 530027.8 E 725052.3 N	**Dates** 02/09/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	EN				(0.09) 0.09	TARMACADAM		
					(0.41)	MADE GROUND: Grey sandy slightly clayey fine to coarse subangular GRAVEL with occasional subangular to subrounded cobbles.		
					0.50	Complete at 0.50m		

Remarks
Refusal at 0.50m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-02

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Site Galway Port			**Number** WS-03
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants RECEIVED: 19/09/2025	**Job Number** 8979-08-19
	Location 530046.6 E 725038.4 N	**Dates** 02/09/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.54	EN				(0.08) 0.08	TARMACADAM		
					(0.46)	MADE GROUND: Grey sandy slightly clayey fine to coarse subangular GRAVEL with occasional subangular to subrounded cobbles.		
					0.54	Complete at 0.54m		

Remarks
Refusal at 0.54m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-03

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Site Galway Port			**Number** WS-04
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants
	Location 530039.1 E 725007.6 N	**Dates** 02/09/2019	**Project Contractor** Ground Investigations Ireland
			Job Number 8979-08-19 **Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.00-1.00	EN				0.05	TARMACADAM			
					(0.35)	MADE GROUND: Light brown slightly sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles.			
					0.40	MADE GROUND: Grey sandy clayey fine to coarse subangular GRAVEL with occasional subangular to subrounded cobbles			
					(0.60)				
1.00-2.00	EN				1.00	Firm grey slightly sandy slightly gravelly silty CLAY with occasional subangular to subrounded cobbles and occasional shell fragments. Fine to coarse sand and fine to coarse subangular gravel. Some orange mottling.			
					(1.00)				
2.00-2.20	EN				2.00	Firm grey slightly sandy slightly gravelly silty CLAY with occasional subangular to subrounded cobbles of granite.			
					(0.20)				
					2.20	Complete at 2.20m			

Remarks
Refusal at 2.20m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-04

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Site Galway Port			**Number** WS-05
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants
	Location 530015.3 E 724967.1 N	**Dates** 02/09/2019	**Project Contractor** Ground Investigations Ireland
			Job Number 8979-08-19 **Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	EN				(0.08) 0.08	TARMACADAM		
					(0.32)	MADE GROUND: Grey sandy slightly clayey fine to coarse subangular GRAVEL with occasional subangular cobbles.		
					0.40			
					(0.40)	MADE GROUND: Dark brown sandy clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.		
					0.80			
1.00-1.70	EN				(0.90)	Firm grey slightly sandy slightly gravelly silty CLAY with occasional subangular to subrounded cobbles of granite. (Possible MADE GROUND)		
					1.70	Complete at 1.70m		

Remarks
Refusal at 1.70m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-05

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Site Galway Port			**Number** WS-07
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants	**Job Number** 8979-08-19
	Location 530001.1 E 724838.6 N	**Dates** 30/08/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.70	EN				(0.29) 0.29	CONCRETE with rebar.		
					(0.41) 0.70	MADE GROUND: Brownish grey sandy clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.		
						Complete at 0.70m		

Remarks
Refusal at 0.70m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-07

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Site Galway Port			**Number** WS-08
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants	**Job Number** 8979-08-19
	Location 530029.4 E 724815.8 N	**Dates** 30/08/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.28)	CONCRETE with rebar.		
					0.28			
					(0.22)	MADE GROUND: Grey slightly sandy slightly clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.		
					0.50	Complete at 0.50m		

Remarks
No environmental sampling possible.
Refusal at 0.50m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-08

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Site Galway Port			**Number** WS-09
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants
	Location 530105.4 E 724904.9 N	**Dates** 03/09/2019	**Project Contractor** Ground Investigations Ireland
			Job Number 8979-08-19
			Sheet 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.00-1.00	EN				0.05 (0.25)	TARMACADAM MADE GROUND: Grey sandy slightly clayey fine to coarse angular to subangular GRAVEL with occasional subangular to subrounded cobbles of granite and occasional fragments of plastic and glass. Sand is fine to coarse and gravel is subangular to subrounded.			
					0.30 (0.50)	MADE GROUND: Brown slightly sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles. Abundant shell fragments with occasional fragments of red brick.			
1.00-2.00	EN				0.80 (0.40)	MADE GROUND: slightly silty slightly sandy sightly gravelly CLAY with abundant shell fragments.			
					1.20 (0.30)	MADE GROUND: Dark brown slightly sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles and some orange mottling.			
					1.50	Complete at 1.50m			

Remarks
Refusal at 1.50m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-09

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Site Galway Port			**Number** WS-10
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants
	Location 530141.1 E 724856.8 N	**Dates** 29/08/2019	**Project Contractor** Ground Investigations Ireland
			Job Number 8979-08-19
			Sheet 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.00-1.00	EN				0.05	TARMACADAM			
					(0.95)	MADE GROUND: Greyish brown sandy clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.			
1.00-2.00	EN				1.00	MADE GROUND: Dark brownish grey sandy clayey fine to coarse subangular GRAVEL with occasional subangular to subrounded cobbles.			
					(1.20)				
					2.20	Complete at 2.20m			

Remarks
Refusal at 2.20m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-10

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Site Galway Port			**Number** WS-11
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants RECEIVED: 19/09/2025	**Job Number** 8979-08-19
	Location 530220.7 E 724788.9 N	**Dates** 03/09/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.70	EN				(0.20) 0.20	CONCRETE with rebar.		
					(0.50)	MADE GROUND: Brown slightly sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles of granite and occasional fragments of plastic and glass. Sand is fine to coarse and gravel is subangular to subrounded.		
					0.70	Complete at 0.70m		

Remarks
Refusal at 0.70m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-11

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Site Galway Port			**Number** WS-12
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants	**Job Number** 8979-08-19
	Location 530135.2 E 724938.6 N	**Dates** 29/08/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.00-1.00	EN				0.04	TARMACADAM			
					(0.36)	MADE GROUND: Grey slightly sandy clayey fine to coarse angular to subangular GRAVEL.			
					0.40				
					(0.27)	MADE GROUND: Light brown sandy slightly gravelly clayey SAND with occasional fragments of red brick clinker and concrete.			
					0.67				
					(0.33)	MADE GROUND: Grey slightly sandy slightly gravelly CLAY with occasional fragments of red brick and clinker.			
1.00-2.00	EN				1.00				
					(0.40)	Brown slightly clayey slightly gravelly fine to coarse SAND with occasional shell fragments. (Possible MADE GROUND)			
					1.40				
					(0.15)	Brown slightly clayey slightly gravelly fine to coarse SAND with occasional shell fragments. (Possible MADE GROUND)			
					1.55				
					(0.20)	Firm light brownish grey sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles. (Possible MADE GROUND)			
					1.75				
					(0.25)	No recovery			
					2.00	Complete at 2.20m			

Remarks
Refusal at 2.20m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-12

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Site Galway Port			**Number** WS-13
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants
	Location 530183.8 E 724900.9 N	**Dates** 03/09/2019	**Project Contractor** Ground Investigations Ireland
			Job Number 8979-08-19
			Sheet 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	EN				0.05	TARMACADAM		
					(0.75)	MADE GROUND: Dark brown to grey sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles and occasional fragments of red brick glass and clinker. Fine to coarse sand and fine to coarse subangular to subrounded gravel.		
					0.80			
					(0.20)	MADE GROUND: Grey slightly silty slightly sandy slightly gravelly CLAY with occasional cobbles of granite. Abundant shell fragments and occasional fragments of red brick.		
1.00-2.00	EN				1.00			
					(0.40)	MADE GROUND: Brownish grey sandy gravelly CLAY with occasional subangular to subrounded cobbles of granite and occasional fragments of red brick and clinker.		
					1.40	No recovery		
					(0.80)			
					2.20	Complete at 2.20m		

Remarks
Refusal at 2.20m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-13

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Site Galway Port			**Number** WS-14
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants
	Location 530251.3 E 724864.8 N	**Dates** 28/08/2019	**Project Contractor** Ground Investigations Ireland
			Job Number 8979-08-19
			Sheet 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.00-1.00	EN				(0.10) 0.10	CONCRETE			
					(0.25)	MADE GROUND: Dark grey medium to coarse subangular to subrounded GRAVEL with occasional subangular cobbles.			
					0.35				
					(0.65)	MADE GROUND: Dark brown sandy clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.			
					1.00				
					(0.35)	MADE GROUND: Grey medium to coarse subangular GRAVEL with occasional subangular cobbles.			
					1.35				
					(0.65)	No recovery			
					2.00				
					(0.30)	MADE GROUND: Grey fine to coarse sightly sandy slightly clayey GRAVEL with occasional subangular to subrounded cobbles.			
					2.30				
						Complete at 2.30m			

Remarks
Refusal at 2.30m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No.
8979-08-19.WS-14

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Site Galway Port			**Number** WS-15
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants RECEIVED: 19/09/2025	**Job Number** 8979-08-19
	Location 530173.9 E 724966.3 N	**Dates** 28/08/2019-29/08/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.10) 0.10	CONCRETE with rebar.		
					(0.40)	MADE GROUND: Brownish grey slightly clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.		
					0.50	Complete at 0.50m		

Remarks
Refusal at 0.50m depth due to obstruction.
No environmental sampling posible.
WS-15 moved 3.00m from initial planned location to WS-15A.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-15

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Site Galway Port			**Number** WS-15A
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants RECEIVED: 19/09/2025	**Job Number** 8979-08-19
	Location 530177.3 E 724966.7 N	**Dates** 28/08/2019-29/08/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.16)	CONCRETE with rebar.		
					0.16			
					(0.24)	MADE GROUND: Brownish grey slightly clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.		
					0.40			
						Complete at 0.40m		

Remarks
Refusal at 0.40m depth due to obstruction.
No environmental sampling possible.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-15A

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Site	Number
Galway Port	WS-16

Machine / Method	Dimensions	Ground Level (mOD)	Client	Job Number
Machine : Tech 10 Probing Rig Method : Drive-in Windowless Sampler			MKO Planning and Environmental Consultants	8979-08-19
	Location 530222.4 E 724935.9 N	**Dates** 03/09/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.00-1.00	EN				(0.21) 0.21	CONCRETE			
					(0.19) 0.40	MADE GROUND: Brownish grey sandy slightly clayey fine to coarse subangular GRAVEL with occasional subangular to subrounded cobbles.			
					(0.18) 0.58	MADE GROUND: Brown sandy gravelly CLAY with occasional subangular to subrounded cobbles of granite.			
					(0.42) 1.00	No recovery			
					(0.40) 1.40	MADE GROUND: Grey sandy slightly clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.			
					(0.60) 2.00	No recovery			
					(0.20) 2.20	Brownish grey sandy slightly clayey fine to coarse subangular to subrounded GRAVEL. (Possible MADE GROUND)			
						Complete at 2.20m			

Remarks
Refusal at 2.20m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No.
8979-08-19.WS-16

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Site Galway Port			**Number** WS-17
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants	**Job Number** 8979-08-19
	Location 530268.9 E 724902.5 N	**Dates** 28/08/2019-29/08/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	EN				(0.53) 0.53	CONCRETE		
					(1.04) 1.57	MADE GROUND: Brownish grey slightly clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.		
					(0.43) 2.00	No recovery		
					(0.53) 2.53	MADE GROUND: Brownish grey slightly clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.		
						Complete at 2.53m		

Remarks
Refusal at 2.53m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-17

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Site Galway Port			**Number** WS-18
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants
	Location 530205.4 E 725000.2 N	**Dates** 28/08/2019-29/08/2019	**Project Contractor** Ground Investigations Ireland
			Job Number 8979-08-19
			Sheet 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.00-1.00	EN				(0.19) 0.19	CONCRETE with rebar.			
					(0.81)	MADE GROUND: Brownish grey slightly sandy clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles of granite and occasional fragments of red brick.			
1.00-2.00	EN				1.00 (1.00)	MADE GROUND: Dark brown sandy clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles and occasional fragments of glass red brick roof slate and concrete.			
2.00-2.80	EN				2.00 (0.80)	MADE GROUND: Dark brown sandy gravelly CLAY with occasional subangular to subrounded cobbles. Occasional fragments of red brick ceramics concrete and ash.			
					2.80	Complete at 2.80m			

Remarks
Refusal at 2.80m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-18

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Site Galway Port			**Number** WS-19
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants RECEIVED: 19/09/2025	**Job Number** 8979-08-19
	Location 530239 E 724964.6 N	**Dates** 03/09/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	EN				(0.49)	CONCRETE		
					0.49			
					(0.41)	Brownish grey sandy gravelly CLAY with occasional subangular to subrounded cobbles. (Possible MADE GROUND)		
					0.90			
					(0.10)	No recovery		
1.00-1.60	EN				1.00			
					(0.60)	Brown slightly sandy gravelly CLAY with occasional subangular to subrounded cobbles of granite. (Possible MADE GROUND)		
					1.60			
						Complete at 1.60m		

Remarks
Refusal at 1.60m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No.
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Site Galway Port			**Number** WS-20
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants
	Location 530292.8 E 724942.7 N	**Dates** 29/08/2019	**Project Contractor** Ground Investigations Ireland
			Job Number 8979-08-19 **Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	EN				(0.30) 0.30	CONCRETE		
					(0.70) 1.00	MADE GROUND: Dark grey sandy clayey fine to coarse subangular GRAVEL with occasional subangular to subrounded cobbles and rare fragments of metal.		
					(0.58) 1.58	MADE GROUND: Dark grey sandy clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles		
					(0.42) 2.00	No recovery		
					(0.50) 2.50	MADE GROUND: Dark grey slightly clayey fine to coarse subangular GRAVEL with occasional subangular cobbles.		
						Complete at 2.50m		

Remarks
Refusal at 2.50m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-20

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Site Galway Port			**Number** WS-21
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants
	Location 530234.3 E 725038.3 N	**Dates** 29/08/2019	**Project Contractor** Ground Investigations Ireland
			Job Number 8979-08-19 **Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	EN				(0.25) 0.25	CONCRETE		
					(0.75)	MADE GROUND: Brown slightly sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles of granite.		
1.00-2.00	EN				1.00 (0.75)	MADE GROUND:Brown slightly sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles of granite and occasional fragments of clinker porcelain and shells.		
					1.75 (0.25)	No recovery		
2.00-3.00	EN				2.00 (0.66)	Firm light brown slightly sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles of granite and occasional shell fragments.		
					2.66 (0.34)	No recovery		
3.00-4.00	EN				3.00 (0.80)	Firm to soft light brown slightly sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles of granite.		
					3.80 (0.20)	No recovery		
					4.00	Complete at 4.00m		

Remarks
Refusal at 4.00m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-21

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Site Galway Port			**Number** WS-22
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants **Job Number** 8979-08-19
	Location 530271.4 E 724998.2 N	**Dates** 29/08/2019	**Project Contractor** Ground Investigations Ireland **Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-1.00	EN				(0.25) 0.25 0.30	CONCRETE with rebar. MADE GROUND: Brownish grey slightly sandy clayey GRAVEL with occasional subangular to subrounded cobbles.		
					(1.10)	MADE GROUND: Brownish grey slightly sandy clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles of granite.		
					1.40	Complete at 1.40m		

Remarks
Refusal at 1.40m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-22

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Site Galway Port			**Number** WS-23
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants	**Job Number** 8979-08-19
	Location 530307.9 E 724987.6 N	**Dates** 29/08/2019	**Project Contractor** Ground Investigations Ireland	**Sheet** 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.00-1.00	EN				(0.23) 0.23	CONCRETE with rebar.			
					(0.67)	MADE GROUND: Grey sandy slightly clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles.			
1.00-2.00	EN				(0.10) 0.90 1.00	MADE GROUND: Brown slightly sandy gravelly CLAY with occasional subangular to subrounded cobbles.			
					(0.53)	Firm brown slightly sandy slightly gravelly CLAY with occasional subangular to subrounded cobbles of granite. (Possible MADE GROUND)			
					1.53 (0.47)	No recovery			
					2.00 (0.40)	Grey slightly sandy slightly clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular to subrounded cobbles of granite. (Possible MADE GROUND)			
					2.40	Complete at 2.40m			

Remarks
Refusal at 2.40m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-23

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Site Galway Port			**Number** WS-24
Machine : Tech 10 Probing Rig **Method :** Drive-in Windowless Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** MKO Planning and Environmental Consultants
	Location 530315.4 E 725033.2 N	**Dates** 02/09/2019	**Project Contractor** Ground Investigations Ireland
			Job Number 8979-08-19
			Sheet 1/1

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	EN				(0.17) 0.17	CONCRETE with rebar.		
					(0.33)	MADE GROUND: Brownish grey sandy slightly clayey fine to coarse subangular to subrounded GRAVEL with occasional subangular cobbles.		
					0.50	Complete at 0.50m		

Remarks
Refusal at 0.50m depth due to obstruction.

Scale (approx)	Logged By
1:25	PM

Figure No. 8979-08-19.WS-24

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APPENDIX 4 – Laboratory Testing

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Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

P: +44 (0) 1244 833780
F: +44 (0) 1244 833781
W: www.element.com

RECEIVED: 19/09/2025

Ground Investigations Ireland
Catherinestown House
Hazelhatch Road
Newcastle
Co. Dublin
Ireland

Attention :	Barry Sexton
Date :	20th September, 2019
Your reference :	8979-08-19
Our reference :	Test Report 19/14295 Batch 1
Location :	Galway Docklands/Port
Date samples received :	5th September, 2019
Status :	Final report
Issue :	1

Thirty five samples were received for analysis on 5th September, 2019 of which thirty five were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:

Phil Sommerton BSc
Senior Project Manager

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Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	LOD/LOR	Units	Method No.
Sample ID	WS-01	WS-02	WS-03	WS-04	WS-04	WS-04	WS-05	WS-05	WS-07	WS-09			
Depth	0.00-0.50	0.00-0.50	0.00-0.54	0.00-1.00	1.00-2.00	2.00-2.20	0.00-1.00	1.00-1.70	0.00-0.70	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	30/08/2019	30/08/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
Antimony	1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	mg/kg	TM30/PM15
Arsenic #	3.5	3.4	3.8	2.1	2.0	2.1	2.6	3.0	2.8	16.5	<0.5	mg/kg	TM30/PM15
Barium #	187	433	324	28	21	22	36	35	28	444	<1	mg/kg	TM30/PM15
Cadmium #	0.8	0.4	0.5	0.6	0.3	0.3	0.4	0.5	0.4	0.9	<0.1	mg/kg	TM30/PM15
Chromium #	22.3	31.7	32.3	38.4	60.4	60.2	82.7	35.5	25.8	57.8	<0.5	mg/kg	TM30/PM15
Copper #	21	14	15	11	11	9	25	13	12	88	<1	mg/kg	TM30/PM15
Lead #	47	38	31	33	9	9	53	16	35	300	<5	mg/kg	TM30/PM15
Mercury #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	mg/kg	TM30/PM15
Molybdenum #	1.6	2.6	2.2	2.1	3.2	3.5	4.5	1.7	2.2	3.8	<0.1	mg/kg	TM30/PM15
Nickel #	7.9	10.8	10.6	8.4	9.2	6.9	10.9	11.0	8.1	17.1	<0.7	mg/kg	TM30/PM15
Selenium #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM30/PM15
Zinc #	123	41	55	37	24	39	62	28	48	352	<5	mg/kg	TM30/PM15
Antimony	-	-	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Arsenic	-	-	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Barium	-	-	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Cadmium	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Chromium	-	-	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Copper	-	-	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Lead	-	-	-	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62
Mercury	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Molybdenum	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Nickel	-	-	-	-	-	-	-	-	-	-	<0.7	mg/kg	TM30/PM62
Selenium	-	-	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Zinc	-	-	-	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	LOD/LOR	Units	Method No.
Sample ID	WS-01	WS-02	WS-03	WS-04	WS-04	WS-04	WS-05	WS-05	WS-07	WS-09			
Depth	0.00-0.50	0.00-0.50	0.00-0.54	0.00-1.00	1.00-2.00	2.00-2.20	0.00-1.00	1.00-1.70	0.00-0.70	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	30/08/2019	30/08/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
PAH MS													
Naphthalene #	0.04	<0.04	<0.04	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	0.46	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.91	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.31	<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.07	<0.03	0.05	0.15	<0.03	<0.03	0.07	<0.03	0.04	3.59	<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	1.58	<0.04	mg/kg	TM4/PM8
Fluoranthene #	0.11	0.04	0.09	0.27	<0.03	<0.03	0.13	<0.03	0.06	10.51	<0.03	mg/kg	TM4/PM8
Pyrene #	0.11	0.03	0.09	0.26	<0.03	<0.03	0.11	<0.03	0.05	9.12	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.09	<0.06	0.10	0.19	<0.06	<0.06	0.12	<0.06	<0.06	6.66	<0.06	mg/kg	TM4/PM8
Chrysene #	0.06	<0.02	0.06	0.19	<0.02	<0.02	0.11	<0.02	<0.02	5.98	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	0.11	<0.07	0.17	0.36	<0.07	<0.07	0.18	<0.07	<0.07	11.76	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.05	<0.04	0.09	0.17	<0.04	<0.04	0.09	<0.04	<0.04	6.32	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene	<0.04	<0.04	0.05	0.11	<0.04	<0.04	0.05	<0.04	<0.04	3.97	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.86	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	<0.04	0.07	0.13	<0.04	<0.04	0.06	<0.04	<0.04	3.93	<0.04	mg/kg	TM4/PM8
Coronene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.87	<0.04	mg/kg	TM4/PM8
PAH 6 Total #	0.27	<0.22	0.47	1.04	<0.22	<0.22	0.51	<0.22	<0.22	36.49	<0.22	mg/kg	TM4/PM8
PAH 17 Total	0.64	<0.64	0.77	1.94	<0.64	<0.64	0.92	<0.64	<0.64	66.95	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.08	<0.05	0.12	0.26	<0.05	<0.05	0.13	<0.05	<0.05	8.47	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.03	<0.02	0.05	0.10	<0.02	<0.02	0.05	<0.02	<0.02	3.29	<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1	<1	4	<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	102	98	94	100	85	88	96	72	96	94	<0	%	TM4/PM8
Mineral Oil (C10-C40)	150	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	mg/kg	TM5/PM8/PM16
TPH CWG													
Aliphatics													
>C5-C6 #	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C6-C8 #	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C12 #	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 #	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	mg/kg	TM5/PM8/PM16
>C16-C21 #	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
>C21-C35 #	85	<7	<7	<7	<7	<7	11	<7	12	<7	<7	mg/kg	TM5/PM8/PM16
>C35-C40	65	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40	150	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C25	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	mg/kg	TM5/PM8/PM16
>C25-C35	86	<10	<10	<10	<10	<10	11	<10	12	<10	<10	mg/kg	TM5/PM8/PM16

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	LOD/LOR	Units	Method No.
Sample ID	WS-01	WS-02	WS-03	WS-04	WS-04	WS-04	WS-05	WS-05	WS-07	WS-09			
Depth	0.00-0.50	0.00-0.50	0.00-0.54	0.00-1.00	1.00-2.00	2.00-2.20	0.00-1.00	1.00-1.70	0.00-0.70	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	30/08/2019	30/08/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
TPH CWG													
Aromatics													
>C5-EC7 #	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC7-EC8 #	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 #	<4	<4	<4	<4	<4	<4	<4	<4	<4	6	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 #	<7	<7	<7	<7	<7	<7	<7	<7	<7	66	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 #	332	<7	<7	<7	<7	<7	<7	<7	<7	334	<7	mg/kg	TM5/PM8/PM16
>EC35-EC40	237	<7	<7	<7	<7	<7	<7	<7	<7	48	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40	569	<26	<26	<26	<26	<26	<26	<26	<26	454	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40)	719	<52	<52	<52	<52	<52	<52	<52	<52	454	<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 #	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC25	26	<10	<10	<10	<10	<10	<10	<10	<10	160	<10	mg/kg	TM5/PM8/PM16
>EC25-EC35	312	<10	<10	<10	<10	<10	<10	<10	<10	239	<10	mg/kg	TM5/PM8/PM16
MTBE #	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
Benzene #	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
Toluene #	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
Ethylbenzene #	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
m/p-Xylene #	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
o-Xylene #	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
PCB 28 #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 52 #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 101 #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 118 #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 138 #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 153 #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 180 #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
Total 7 PCBs #	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	ug/kg	TM17/PM8
Natural Moisture Content	6.6	6.9	6.3	9.3	12.2	8.6	6.3	13.8	4.7	17.7	<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	6.2	6.4	6.0	8.5	10.8	7.9	5.9	12.1	4.5	15.0	<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/kg	TM38/PM20
Chromium III	22.3	31.7	32.3	38.4	60.4	60.2	82.7	35.5	25.8	57.8	<0.5	mg/kg	NONE/NONE
Chromium III	-	-	-	-	-	-	-	-	-	-	<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	0.43	0.17	0.52	0.37	0.08	0.14	0.47	0.11	0.32	7.10	<0.02	%	TM21/PM24
pH #	9.13	8.51	8.97	9.01	9.05	9.16	9.06	9.14	8.69	8.66	<0.01	pH units	TM73/PM11
Mass of raw test portion	0.0963	0.0948	0.0877	0.0973	0.105	0.0996	0.1071	0.1019	0.0942	0.1078		kg	NONE/PM17

Please include all sections of this report if it is reproduced
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Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	LOD/LOR	Units	Method No.
Sample ID	WS-01	WS-02	WS-03	WS-04	WS-04	WS-04	WS-05	WS-05	WS-07	WS-09			
Depth	0.00-0.50	0.00-0.50	0.00-0.54	0.00-1.00	1.00-2.00	2.00-2.20	0.00-1.00	1.00-1.70	0.00-0.70	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	30/08/2019	30/08/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
Mass of dried test portion	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		kg	NONE/PM17

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Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	55-57	58-60	LOD/LOR	Units	Method No.
Sample ID	WS-09	WS-10	WS-10	WS-11	WS-12	WS-12	WS-13	WS-13	WS-14	WS-16			
Depth	1.00-1.50	0.00-1.00	1.00-2.00	0.00-0.70	0.00-1.00	1.00-2.00	0.00-1.00	1.00-2.00	0.00-1.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	30/08/2019	29/08/2019	29/08/2019	03/09/2019	30/08/2019	30/08/2019	03/09/2019	03/09/2019	28/08/2019	03/09/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
Antimony	1	39	-	20	<1	<1	6	1	<1	46_{AB}	<1	mg/kg	TM30/PM15
Arsenic #	6.6	77.1	-	41.2	4.0	4.9	20.5	3.7	1.7	79.5	<0.5	mg/kg	TM30/PM15
Barium #	1560	1705	-	304	79	40	210	42	13	2381	<1	mg/kg	TM30/PM15
Cadmium #	<0.1	33.9	-	16.4	0.4	0.4	0.9	0.5	0.4	18.4	<0.1	mg/kg	TM30/PM15
Chromium #	63.9	30.9	-	32.5	41.8	35.5	73.4	69.2	22.2	60.2	<0.5	mg/kg	TM30/PM15
Copper #	<1	293	-	175	26	23	152	45	11	361_{AB}	<1	mg/kg	TM30/PM15
Lead #	48	4709	-	3128_{AB}	207	36	382	60	19	4882_{AB}	<5	mg/kg	TM30/PM15
Mercury #	<0.1	1.3	-	0.5	<0.1	<0.1	1.0	0.3	<0.1	1.5	<0.1	mg/kg	TM30/PM15
Molybdenum #	2.0	2.2	-	3.0	2.7	1.7	4.5	4.1	2.2	4.1	<0.1	mg/kg	TM30/PM15
Nickel #	5.6	11.0	-	8.6	15.4	11.9	19.9	12.0	7.6	15.4	<0.7	mg/kg	TM30/PM15
Selenium #	6	<1	-	<1	2	2	<1	<1	<1	1	<1	mg/kg	TM30/PM15
Zinc #	82	5015	-	1961	83	38	285	51	183	3042_{AB}	<5	mg/kg	TM30/PM15
Antimony	-	-	6	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Arsenic	-	-	12.2	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Barium	-	-	173	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Cadmium	-	-	115.3_{AC}	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Chromium	-	-	10.8	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Copper	-	-	111	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Lead	-	-	684	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62
Mercury	-	-	0.1	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Molybdenum	-	-	2.3	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Nickel	-	-	15.1	-	-	-	-	-	-	-	<0.7	mg/kg	TM30/PM62
Selenium	-	-	2	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Zinc	-	-	10741_{AC}	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	55-57	58-60	LOD/LOR	Units	Method No.
Sample ID	WS-09	WS-10	WS-10	WS-11	WS-12	WS-12	WS-13	WS-13	WS-14	WS-16			
Depth	1.00-1.50	0.00-1.00	1.00-2.00	0.00-0.70	0.00-1.00	1.00-2.00	0.00-1.00	1.00-2.00	0.00-1.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	30/08/2019	29/08/2019	29/08/2019	03/09/2019	30/08/2019	30/08/2019	03/09/2019	03/09/2019	28/08/2019	03/09/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
PAH MS													
Naphthalene #	0.07	0.05	0.04	<0.40 AC	0.11	<0.04	0.79	<0.04	<0.04	0.07	<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.08	0.04	<0.03	<0.30 AC	0.09	<0.03	1.33	<0.03	<0.03	0.08	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	<0.05	<0.05	<0.50 AC	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	<0.04	<0.04	<0.40 AC	<0.04	<0.04	0.27	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.41	0.19	0.13	<0.30 AC	0.42	0.15	3.15	0.05	<0.03	0.21	<0.03	mg/kg	TM4/PM8
Anthracene #	0.14	0.07	0.04	<0.40 AC	0.11	0.06	1.40	<0.04	<0.04	0.10	<0.04	mg/kg	TM4/PM8
Fluoranthene #	0.86	0.40	0.20	<0.30 AC	0.66	0.33	8.57	0.05	<0.03	0.59	<0.03	mg/kg	TM4/PM8
Pyrene #	0.80	0.44	0.18	<0.30 AC	0.59	0.28	7.43	<0.03	<0.03	0.51	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.66	0.30	0.17	<0.60 AC	0.50	0.30	8.24	<0.06	<0.06	0.47	<0.06	mg/kg	TM4/PM8
Chrysene #	0.62	0.32	0.15	<0.20 AC	0.50	0.24	6.77	<0.02	<0.02	0.42	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	1.10	0.62	0.29	<0.70 AC	0.93	0.41	16.38	<0.07	<0.07	0.86	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.58	0.36	0.14	<0.40 AC	0.48	0.21	8.72	<0.04	<0.04	0.46	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene	0.34	0.24	0.10	<0.40 AC	0.31	0.10	5.83	<0.04	<0.04	0.29	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.09	0.06	<0.04	<0.40 AC	0.09	<0.04	1.33	<0.04	<0.04	0.07	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.37	0.30	0.10	<0.40 AC	0.31	0.12	6.13	<0.04	<0.04	0.30	<0.04	mg/kg	TM4/PM8
Coronene	0.08	0.06	<0.04	<0.40 AC	0.06	<0.04	1.33	<0.04	<0.04	0.07	<0.04	mg/kg	TM4/PM8
PAH 6 Total #	3.25	1.92	0.83	<2.20 AC	2.69	1.17	45.63	<0.22	<0.22	2.50	<0.22	mg/kg	TM4/PM8
PAH 17 Total	6.20	3.45	1.54	<6.40 AC	5.16	2.20	77.78	<0.64	<0.64	4.50	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.79	0.45	0.21	<0.50 AC	0.67	0.30	11.79	<0.05	<0.05	0.62	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.31	0.17	0.08	<0.20 AC	0.26	0.11	4.59	<0.02	<0.02	0.24	<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1	<1	<1	<10 AC	<1	<1	4	<1	<1	<1	<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	101	100	101	99 AC	100	95	99	100	101	98	<0	%	TM4/PM8
Mineral Oil (C10-C40)	<30	117	<30	201	<30	<30	<30	<30	38	72	<30	mg/kg	TM5/PM8/PM16
TPH CWG													
Aliphatics													
>C5-C6 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C6-C8 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C12 #	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 #	<4	<4	<4	<4	<4	<4	<4	<4	<4	9	<4	mg/kg	TM5/PM8/PM16
>C16-C21 #	<7	<7	<7	<7	<7	<7	<7	<7	<7	14	<7	mg/kg	TM5/PM8/PM16
>C21-C35 #	<7	90	<7	140	<7	<7	<7	<7	38	49	<7	mg/kg	TM5/PM8/PM16
>C35-C40	<7	27	<7	61	<7	<7	<7	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40	<26	117	<26	201	<26	<26	<26	<26	38	72	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C25	<10	<10	<10	<10	<10	<10	<10	<10	<10	19	<10	mg/kg	TM5/PM8/PM16
>C25-C35	<10	91	<10	128	<10	<10	<10	<10	38	46	<10	mg/kg	TM5/PM8/PM16

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	55-57	58-60	LOD/LOR	Units	Method No.
Sample ID	WS-09	WS-10	WS-10	WS-11	WS-12	WS-12	WS-13	WS-13	WS-14	WS-16			
Depth	1.00-1.50	0.00-1.00	1.00-2.00	0.00-0.70	0.00-1.00	1.00-2.00	0.00-1.00	1.00-2.00	0.00-1.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	30/08/2019	29/08/2019	29/08/2019	03/09/2019	30/08/2019	30/08/2019	03/09/2019	03/09/2019	28/08/2019	03/09/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
TPH CWG													
Aromatics													
>C5-EC7 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC7-EC8 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 #	<4	<4	<4	<4	<4	<4	9	<4	<4	4	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 #	<7	<7	<7	<7	<7	<7	61	<7	<7	8	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 #	<7	174	<7	414	<7	<7	363	<7	<7	147	<7	mg/kg	TM5/PM8/PM16
>EC35-EC40	<7	44	<7	211	<7	<7	57	<7	<7	49	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40	<26	218	<26	625	<26	<26	490	<26	<26	208	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40)	<52	335	<52	826	<52	<52	490	<52	<52	280	<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC25	<10	19	<10	<10	<10	<10	152	<10	<10	36	<10	mg/kg	TM5/PM8/PM16
>EC25-EC35	<10	179	<10	388	<10	<10	265	<10	<10	147	<10	mg/kg	TM5/PM8/PM16
MTBE #	<5	<5 SV	<5 SV	<5 SV	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
Benzene #	<5	<5 SV	<5 SV	<5 SV	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
Toluene #	<5	<5 SV	8 SV	<5 SV	19	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
Ethylbenzene #	<5	<5 SV	<5 SV	<5 SV	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
m/p-Xylene #	<5	<5 SV	<5 SV	<5 SV	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
o-Xylene #	<5	<5 SV	<5 SV	<5 SV	<5	<5	<5 SV	<5	<5	<5	<5	ug/kg	TM31/PM12
PCB 28 #	<5	<5	<5	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 52 #	<5	<5	<5	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 101 #	<5	<5	<5	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 118 #	<5	<5	<5	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 138 #	<5	<5	<5	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 153 #	<5	<5	<5	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 180 #	<5	<5	<5	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
Total 7 PCBs #	<35	<35	<35	<175 AB	<35	<35	<35	<35	<35	<35	<35	ug/kg	TM17/PM8
Natural Moisture Content	31.0	6.2	7.2	6.5	11.5	15.2	27.0	23.5	3.7	11.5	<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	23.7	5.8	6.7	6.1	10.3	13.2	21.3	19.0	3.5	10.3	<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/kg	TM38/PM20
Chromium III	63.9	30.9	-	32.5	41.8	35.5	73.4	69.2	22.2	60.2	<0.5	mg/kg	NONE/NONE
Chromium III	-	-	10.8	-	-	-	-	-	-	-	<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	1.85	0.67	NDP	1.56	2.16	0.76	8.07	1.51	0.10	0.95	<0.02	%	TM21/PM24
pH #	8.57	8.81	8.68	7.91	8.78	9.18	8.68	8.80	8.44	8.82	<0.01	pH units	TM73/PM11
Mass of raw test portion	0.1299	0.095	0.0964	0.0978	0.1019	0.0991	0.1115	0.1073	0.0935	0.1011		kg	NONE/PM17

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Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	55-57	58-60	LOD/LOR	Units	Method No.
Sample ID	WS-09	WS-10	WS-10	WS-11	WS-12	WS-12	WS-13	WS-13	WS-14	WS-16			
Depth	1.00-1.50	0.00-1.00	1.00-2.00	0.00-0.70	0.00-1.00	1.00-2.00	0.00-1.00	1.00-2.00	0.00-1.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	30/08/2019	29/08/2019	29/08/2019	03/09/2019	30/08/2019	30/08/2019	03/09/2019	03/09/2019	28/08/2019	03/09/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
Mass of dried test portion	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		kg	NONE/PM17

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Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	61-63	64-66	67-69	70-72	73-75	76-78	79-81	82-84	85-87	88-90	LOD/LOR	Units	Method No.
Sample ID	WS-17	WS-18	WS-18	WS-18	WS-19	WS-19	WS-20	WS-21	WS-21	WS-21			
Depth	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.80	0.00-1.00	1.00-1.60	0.00-1.00	0.00-1.00	1.00-2.00	2.00-3.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	03/09/2019	03/09/2019	29/08/2019	29/08/2019	29/08/2019	29/08/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
Antimony	<1	-	-	10	<1	1	1	1	3	1	<1	mg/kg	TM30/PM15
Arsenic #	2.4	-	-	61.9	3.1	3.6	3.5	5.0	7.4	5.4	<0.5	mg/kg	TM30/PM15
Barium #	15	-	-	452	28	76	36	46	165	47	<1	mg/kg	TM30/PM15
Cadmium #	0.3	-	-	9.3	0.7	0.7	0.6	0.4	0.9	1.0	<0.1	mg/kg	TM30/PM15
Chromium #	18.6	-	-	77.0	19.7	77.2	32.1	57.5	79.3	88.6	<0.5	mg/kg	TM30/PM15
Copper #	6	-	-	2146$_{AB}$	16	37	36	24	46	19	<1	mg/kg	TM30/PM15
Lead #	11	-	-	956	30	47	72	69	395	21	<5	mg/kg	TM30/PM15
Mercury #	<0.1	-	-	0.7	<0.1	<0.1	0.2	<0.1	0.1	<0.1	<0.1	mg/kg	TM30/PM15
Molybdenum #	2.1	-	-	4.9	2.4	3.2	3.4	3.2	4.8	5.2	<0.1	mg/kg	TM30/PM15
Nickel #	7.7	-	-	47.8	9.3	18.1	13.2	12.9	19.7	21.3	<0.7	mg/kg	TM30/PM15
Selenium #	<1	-	-	1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM30/PM15
Zinc #	45	-	-	2850$_{AB}$	49	82	1070	57	275	52	<5	mg/kg	TM30/PM15
Antimony	-	12	17	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Arsenic	-	24.7	14.7	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Barium	-	590	1329	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Cadmium	-	15.5	1.5	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Chromium	-	16.0	19.9	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Copper	-	142	96	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Lead	-	1976	938	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62
Mercury	-	0.6	<0.1	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Molybdenum	-	1.2	1.0	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Nickel	-	13.3	13.7	-	-	-	-	-	-	-	<0.7	mg/kg	TM30/PM62
Selenium	-	<1	2	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Zinc	-	1791	1033	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62

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Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	61-63	64-66	67-69	70-72	73-75	76-78	79-81	82-84	85-87	88-90	LOD/LOR	Units	Method No.
Sample ID	WS-17	WS-18	WS-18	WS-18	WS-19	WS-19	WS-20	WS-21	WS-21	WS-21			
Depth	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.80	0.00-1.00	1.00-1.60	0.00-1.00	0.00-1.00	1.00-2.00	2.00-3.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	03/09/2019	03/09/2019	29/08/2019	29/08/2019	29/08/2019	29/08/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
PAH MS													
Naphthalene #	<0.04	0.57	<0.40 AC	1.18 AC	0.24	0.11	<0.04	0.04	0.07	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	0.89	1.90 AC	0.73 AC	0.08	0.11	<0.03	0.08	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	0.19	<0.50 AC	<0.50 AC	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	0.52	<0.40 AC	<0.40 AC	0.05	0.06	<0.04	0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene #	<0.03	3.38	1.05 AC	4.88 AC	0.51	0.91	<0.03	0.58	0.18	<0.03	<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	1.82	1.06 AC	1.34 AC	0.17	0.31	<0.04	0.28	0.06	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene #	<0.03	8.00	3.94 AC	7.72 AC	0.91	1.87	0.04	1.12	0.42	<0.03	<0.03	mg/kg	TM4/PM8
Pyrene #	<0.03	6.73	5.20 AC	7.01 AC	0.79	1.56	0.03	1.02	0.41	<0.03	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	<0.06	4.79	2.34 AC	5.37 AC	0.54	1.01	<0.06	0.81	0.32	<0.06	<0.06	mg/kg	TM4/PM8
Chrysene #	<0.02	4.33	4.07 AC	5.68 AC	0.50	0.93	<0.02	0.71	0.30	<0.02	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	<0.07	7.95	19.51 AC	9.41 AC	0.98	1.61	<0.07	1.21	0.59	<0.07	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04	4.42	12.70 AC	4.69 AC	0.54	0.88	<0.04	0.66	0.31	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene	<0.04	2.88	12.85 AC	3.26 AC	0.39	0.50	<0.04	0.44	0.20	<0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	0.53	2.17 AC	0.94 AC	0.09	0.11	<0.04	0.11	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	2.58	13.63 AC	3.32 AC	0.36	0.50	<0.04	0.49	0.20	<0.04	<0.04	mg/kg	TM4/PM8
Coronene	<0.04	0.50	2.42 AC	0.64 AC	0.08	0.10	<0.04	0.12	0.06	<0.04	<0.04	mg/kg	TM4/PM8
PAH 6 Total #	<0.22	25.83	62.63 AC	28.40 AC	3.18	5.36	<0.22	3.92	1.72	<0.22	<0.22	mg/kg	TM4/PM8
PAH 17 Total	<0.64	50.08	82.84 AC	56.17 AC	6.23	10.57	<0.64	7.71	3.12	<0.64	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	5.72	14.05 AC	6.78 AC	0.71	1.16	<0.05	0.87	0.42	<0.05	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	2.23	5.46 AC	2.63 AC	0.27	0.45	<0.02	0.34	0.17	<0.02	<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1	2	<10 AC	<10 AC	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	97	100	97 AC	100 AC	101	96	100	96	92	97	<0	%	TM4/PM8
Mineral Oil (C10-C40)	<30	108	191	819 AA	34	<30	<30	<30	<30	<30	<30	mg/kg	TM5/PM8/PM16
TPH CWG													
Aliphatics													
>C5-C6 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C6-C8 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C12 #	<0.2	<0.2	<0.2	<0.6 AA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 #	<4	7	<4	<12 AA	<4	<4	<4	<4	<4	<4	<4	mg/kg	TM5/PM8/PM16
>C16-C21 #	<7	22	<7	58 AA	<7	<7	<7	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
>C21-C35 #	<7	79	153	682 AA	34	19	<7	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
>C35-C40	<7	<7	38	79 AA	<7	<7	<7	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40	<26	108	191	819 AA	34	<26	<26	<26	<26	<26	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C25	<10	<10	<10	176 AA	<10	<10	<10	<10	<10	<10	<10	mg/kg	TM5/PM8/PM16
>C25-C35	<10	68	136	564 AA	34	19	<10	<10	<10	<10	<10	mg/kg	TM5/PM8/PM16

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Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	61-63	64-66	67-69	70-72	73-75	76-78	79-81	82-84	85-87	88-90	LOD/LOR	Units	Method No.
Sample ID	WS-17	WS-18	WS-18	WS-18	WS-19	WS-19	WS-20	WS-21	WS-21	WS-21			
Depth	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.80	0.00-1.00	1.00-1.60	0.00-1.00	0.00-1.00	1.00-2.00	2.00-3.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	03/09/2019	03/09/2019	29/08/2019	29/08/2019	29/08/2019	29/08/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
TPH CWG													
Aromatics													
>C5-EC7 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC7-EC8 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	<0.2	<0.2	<0.2	<0.6 AA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 #	<4	<4	<4	<12 AA	<4	<4	<4	<4	<4	<4	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 #	<7	18	48	117 AA	<7	<7	<7	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 #	<7	162	1284	802 AA	152	16	<7	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
>EC35-EC40	<7	38	311	99 AA	46	<7	<7	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40	<26	218	1643	1018 AA	198	<26	<26	<26	<26	<26	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40)	<52	326	1834	1837 AA	232	<52	<52	<52	<52	<52	<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 #	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC25	<10	64	205	317 AA	13	15	<10	<10	<10	<10	<10	mg/kg	TM5/PM8/PM16
>EC25-EC35	<10	160	1109	602 AA	134	<10	<10	<10	<10	<10	<10	mg/kg	TM5/PM8/PM16
MTBE #	<5	<5 SV	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5	<5	ug/kg	TM31/PM12
Benzene #	<5	<5 SV	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5	<5	ug/kg	TM31/PM12
Toluene #	<5	<5 SV	<5 SV	<5 SV	<5 SV	<5	<5	<5	7	<5	<5	ug/kg	TM31/PM12
Ethylbenzene #	<5	<5 SV	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5	<5	ug/kg	TM31/PM12
m/p-Xylene #	<5	<5 SV	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5	<5	ug/kg	TM31/PM12
o-Xylene #	<5	<5 SV	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5	<5	ug/kg	TM31/PM12
PCB 28 #	<5	<5	<25 AB	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 52 #	<5	6	<25 AB	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 101 #	<5	<5	<25 AB	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 118 #	<5	<5	<25 AB	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 138 #	<5	8	<25 AB	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 153 #	<5	9	<25 AB	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 180 #	<5	6	<25 AB	<25 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
Total 7 PCBs #	<35	<35	<175 AB	<175 AB	<35	<35	<35	<35	<35	<35	<35	ug/kg	TM17/PM8
Natural Moisture Content	6.4	10.9	16.5	34.3	9.2	13.4	6.1	12.2	20.1	14.4	<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	6.0	9.8	14.2	25.6	8.5	11.8	5.8	10.9	16.7	12.6	<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/kg	TM38/PM20
Chromium III	18.6	-	-	77.0	19.7	77.2	32.1	57.5	79.3	88.6	<0.5	mg/kg	NONE/NONE
Chromium III	-	16.0	19.9	-	-	-	-	-	-	-	<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	0.10	NDP	NDP	20.55	0.44	0.70	0.26	1.09	2.78	0.68	<0.02	%	TM21/PM24
pH #	8.65	8.41	8.71	7.91	10.05	8.59	9.44	9.00	8.58	8.55	<0.01	pH units	TM73/PM11
Mass of raw test portion	0.096	0.1073	0.1068	0.1216	0.0981	0.0989	0.0976	0.1015	0.1164	0.111		kg	NONE/PM17

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	61-63	64-66	67-69	70-72	73-75	76-78	79-81	82-84	85-87	88-90	LOD/LOR	Units	Method No.
Sample ID	WS-17	WS-18	WS-18	WS-18	WS-19	WS-19	WS-20	WS-21	WS-21	WS-21			
Depth	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.80	0.00-1.00	1.00-1.60	0.00-1.00	0.00-1.00	1.00-2.00	2.00-3.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	03/09/2019	03/09/2019	29/08/2019	29/08/2019	29/08/2019	29/08/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
Mass of dried test portion	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		kg	NONE/PM17

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EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

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EMT Sample No.	91-93	94-96	97-99	100-102	103-105						LOD/LOR	Units	Method No.
Sample ID	WS-21	WS-22	WS-23	WS-23	WS-24								
Depth	3.00-4.00	0.00-1.00	0.00-1.00	1.00-2.00	0.00-0.50								
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T								
Sample Date	29/08/2019	29/08/2019	02/09/2019	02/09/2019	02/09/2019								
Sample Type	Soil	Soil	Soil	Soil	Soil								
Batch Number	1	1	1	1	1								
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019								
Antimony	2	2	2	2	<1						<1	mg/kg	TM30/PM15
Arsenic #	5.3	6.6	5.4	2.7	2.9						<0.5	mg/kg	TM30/PM15
Barium #	65	85	108	87	19						<1	mg/kg	TM30/PM15
Cadmium #	0.8	1.1	3.0	0.3	0.5						<0.1	mg/kg	TM30/PM15
Chromium #	75.1	50.7	71.4	131.9	25.6						<0.5	mg/kg	TM30/PM15
Copper #	21	41	48	47	8						<1	mg/kg	TM30/PM15
Lead #	46	155	264	61	5						<5	mg/kg	TM30/PM15
Mercury #	<0.1	<0.1	0.2	<0.1	<0.1						<0.1	mg/kg	TM30/PM15
Molybdenum #	3.9	2.8	4.1	5.6	3.4						<0.1	mg/kg	TM30/PM15
Nickel #	22.8	10.9	14.0	24.2	12.3						<0.7	mg/kg	TM30/PM15
Selenium #	<1	<1	<1	<1	<1						<1	mg/kg	TM30/PM15
Zinc #	76	192	309	89	13						<5	mg/kg	TM30/PM15
Antimony	-	-	-	-	-						<1	mg/kg	TM30/PM62
Arsenic	-	-	-	-	-						<0.5	mg/kg	TM30/PM62
Barium	-	-	-	-	-						<1	mg/kg	TM30/PM62
Cadmium	-	-	-	-	-						<0.1	mg/kg	TM30/PM62
Chromium	-	-	-	-	-						<0.5	mg/kg	TM30/PM62
Copper	-	-	-	-	-						<1	mg/kg	TM30/PM62
Lead	-	-	-	-	-						<5	mg/kg	TM30/PM62
Mercury	-	-	-	-	-						<0.1	mg/kg	TM30/PM62
Molybdenum	-	-	-	-	-						<0.1	mg/kg	TM30/PM62
Nickel	-	-	-	-	-						<0.7	mg/kg	TM30/PM62
Selenium	-	-	-	-	-						<1	mg/kg	TM30/PM62
Zinc	-	-	-	-	-						<5	mg/kg	TM30/PM62

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RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	91-93	94-96	97-99	100-102	103-105						LOD/LOR	Units	Method No.
Sample ID	WS-21	WS-22	WS-23	WS-23	WS-24								
Depth	3.00-4.00	0.00-1.00	0.00-1.00	1.00-2.00	0.00-0.50								
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T								
Sample Date	29/08/2019	29/08/2019	02/09/2019	02/09/2019	02/09/2019								
Sample Type	Soil	Soil	Soil	Soil	Soil								
Batch Number	1	1	1	1	1								
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019								
PAH MS													
Naphthalene #	<0.04	0.04	0.10	0.08	<0.04						<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	0.05	0.05	0.08	<0.03						<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	<0.05	<0.05	<0.05	<0.05						<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	<0.04	0.06	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.07	0.15	0.32	0.30	<0.03						<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	0.05	0.16	0.14	<0.04						<0.04	mg/kg	TM4/PM8
Fluoranthene #	0.17	0.37	0.61	0.79	<0.03						<0.03	mg/kg	TM4/PM8
Pyrene #	0.17	0.34	0.51	0.72	<0.03						<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.14	0.32	0.39	0.56	<0.06						<0.06	mg/kg	TM4/PM8
Chrysene #	0.12	0.26	0.32	0.59	<0.02						<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	0.24	0.54	0.62	1.00	<0.07						<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.12	0.28	0.35	0.54	<0.04						<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene	0.09	0.20	0.23	0.30	<0.04						<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	0.04	0.04	0.07	<0.04						<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.10	0.22	0.24	0.31	<0.04						<0.04	mg/kg	TM4/PM8
Coronene	<0.04	0.05	0.05	0.08	<0.04						<0.04	mg/kg	TM4/PM8
PAH 6 Total #	0.72	1.61	2.05	2.94	<0.22						<0.22	mg/kg	TM4/PM8
PAH 17 Total	1.22	2.91	4.05	5.56	<0.64						<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.17	0.39	0.45	0.72	<0.05						<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.07	0.15	0.17	0.28	<0.02						<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1	<1	<1	<1	<1						<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	86	98	94	97	101						<0	%	TM4/PM8
Mineral Oil (C10-C40)	105	<30	<30	<30	<30						<30	mg/kg	TM5/PM8/PM16
TPH CWG													
Aliphatics													
>C5-C6 #	<0.1	<0.1	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>C6-C8 #	<0.1	<0.1	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1	<0.1	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>C10-C12 #	<0.2	<0.2	<0.2	<0.2	<0.2						<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 #	<4	<4	<4	<4	<4						<4	mg/kg	TM5/PM8/PM16
>C16-C21 #	<7	<7	<7	<7	<7						<7	mg/kg	TM5/PM8/PM16
>C21-C35 #	87	<7	<7	<7	<7						<7	mg/kg	TM5/PM8/PM16
>C35-C40	18	<7	<7	<7	<7						<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40	105	<26	<26	<26	<26						<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10	<0.1	<0.1	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>C10-C25	<10	<10	<10	<10	<10						<10	mg/kg	TM5/PM8/PM16
>C25-C35	75	<10	<10	<10	<10						<10	mg/kg	TM5/PM8/PM16

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	91-93	94-96	97-99	100-102	103-105						LOD/LOR	Units	Method No.
Sample ID	WS-21	WS-22	WS-23	WS-23	WS-24								
Depth	3.00-4.00	0.00-1.00	0.00-1.00	1.00-2.00	0.00-0.50								
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T								
Sample Date	29/08/2019	29/08/2019	02/09/2019	02/09/2019	02/09/2019								
Sample Type	Soil	Soil	Soil	Soil	Soil								
Batch Number	1	1	1	1	1								
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019								
TPH CWG													
Aromatics													
>C5-EC7 #	<0.1	<0.1	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>EC7-EC8 #	<0.1	<0.1	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	<0.1	<0.1	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	<0.2	<0.2	<0.2	<0.2	<0.2						<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 #	<4	<4	<4	<4	<4						<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 #	<7	<7	<7	<7	<7						<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 #	<7	70	<7	<7	<7						<7	mg/kg	TM5/PM8/PM16
>EC35-EC40	<7	<7	<7	<7	<7						<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40	<26	70	<26	<26	<26						<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40)	105	70	<52	<52	<52						<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 #	<0.1	<0.1	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>EC10-EC25	<10	14	<10	<10	<10						<10	mg/kg	TM5/PM8/PM16
>EC25-EC35	<10	58	<10	<10	<10						<10	mg/kg	TM5/PM8/PM16
MTBE #	<5	<5	<5	<5	<5						<5	ug/kg	TM31/PM12
Benzene #	<5	<5	<5	<5	<5						<5	ug/kg	TM31/PM12
Toluene #	<5	<5	<5	<5	<5						<5	ug/kg	TM31/PM12
Ethylbenzene #	<5	<5	<5	<5	<5						<5	ug/kg	TM31/PM12
m/p-Xylene #	<5	<5	<5	<5	<5						<5	ug/kg	TM31/PM12
o-Xylene #	<5	<5	<5	<5	<5						<5	ug/kg	TM31/PM12
PCB 28 #	<5	<5	<5	<5	<5						<5	ug/kg	TM17/PM8
PCB 52 #	<5	<5	<5	<5	<5						<5	ug/kg	TM17/PM8
PCB 101 #	<5	<5	<5	<5	<5						<5	ug/kg	TM17/PM8
PCB 118 #	<5	<5	<5	<5	<5						<5	ug/kg	TM17/PM8
PCB 138 #	<5	<5	<5	<5	<5						<5	ug/kg	TM17/PM8
PCB 153 #	<5	<5	<5	<5	<5						<5	ug/kg	TM17/PM8
PCB 180 #	<5	<5	<5	<5	<5						<5	ug/kg	TM17/PM8
Total 7 PCBs #	<35	<35	<35	<35	<35						<35	ug/kg	TM17/PM8
Natural Moisture Content	13.4	8.8	8.3	10.4	8.4						<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	11.8	8.1	7.7	9.4	7.8						<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	<0.3						<0.3	mg/kg	TM38/PM20
Chromium III	75.1	50.7	71.4	131.9	25.6						<0.5	mg/kg	NONE/NONE
Chromium III	-	-	-	-	-						<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	0.72	0.62	1.51	0.84	0.21						<0.02	%	TM21/PM24
pH #	8.95	8.57	8.35	8.81	10.52						<0.01	pH units	TM73/PM11
Mass of raw test portion	0.1026	0.0988	0.1054	0.1001	0.099							kg	NONE/PM17

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	91-93	94-96	97-99	100-102	103-105						LOD/LOR	Units	Method No.
Sample ID	WS-21	WS-22	WS-23	WS-23	WS-24								
Depth	3.00-4.00	0.00-1.00	0.00-1.00	1.00-2.00	0.00-0.50								
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T								
Sample Date	29/08/2019	29/08/2019	02/09/2019	02/09/2019	02/09/2019								
Sample Type	Soil	Soil	Soil	Soil	Soil								
Batch Number	1	1	1	1	1								
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019								
Mass of dried test portion	0.09	0.09	0.09	0.09	0.09							kg	NONE/PM17

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	LOD/LOR	Units	Method No.
Sample ID	WS-01	WS-02	WS-03	WS-04	WS-04	WS-04	WS-05	WS-05	WS-07	WS-09			
Depth	0.00-0.50	0.00-0.50	0.00-0.54	0.00-1.00	1.00-2.00	2.00-2.20	0.00-1.00	1.00-1.70	0.00-0.70	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	30/08/2019	30/08/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
Dissolved Antimony #	0.004	0.003	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	0.04	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0046	<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.046	<0.025	mg/kg	TM30/PM17
Dissolved Barium #	0.110	0.079	0.098	0.003	<0.003	<0.003	0.004	<0.003	0.018	0.035	<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	1.10	0.79	0.98	0.03	<0.03	<0.03	0.04	<0.03	0.18	0.35	<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	mg/kg	TM30/PM17
Dissolved Copper #	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	0.008	<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.08	<0.07	mg/kg	TM30/PM17
Dissolved Lead #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	0.010	0.009	0.011	0.009	0.005	0.008	0.015	0.006	0.009	0.005	<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	0.10	0.09	0.11	0.09	0.05	0.08	0.15	0.06	0.09	0.05	<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	0.006	0.006	0.006	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	0.06	0.06	0.06	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	<0.003	<0.003	0.003	<0.003	<0.003	0.003	<0.003	<0.003	<0.003	0.005	<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00002	<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	mg/kg	TM61/PM0
Phenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/l	TM26/PM0
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM26/PM0
Fluoride	<0.3	<0.3	0.5	<0.3	0.8	<0.3	0.4	<0.3	<0.3	<0.3	<0.3	mg/l	TM173/PM0
Fluoride	<3	<3	5	<3	8	<3	4	<3	<3	<3	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	12.6	23.1	11.4	1.0	5.4	11.5	12.4	6.6	282.6	9.8	<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	126	231	114	10	54	115	124	66	2825	98	<5	mg/kg	TM38/PM0
Chloride #	3.4	0.4	<0.3	<0.3	1.2	24.6	2.2	3.0	4.0	0.8	<0.3	mg/l	TM38/PM0
Chloride #	34	4	<3	<3	12	246	22	30	40	8	<3	mg/kg	TM38/PM0
Dissolved Organic Carbon	3	<2	<2	3	<2	4	3	2	<2	4	<2	mg/l	TM60/PM0
Dissolved Organic Carbon	30	<20	<20	30	<20	40	30	<20	<20	40	<20	mg/kg	TM60/PM0
pH	10.28	8.32	8.36	8.48	8.18	8.24	8.16	8.23	7.59	8.30	<0.01	pH units	TM73/PM0
Total Dissolved Solids #	106	87	70	65	81	120	66	76	469	87	<35	mg/l	TM20/PM0
Total Dissolved Solids #	1060	870	700	650	810	1200	660	760	4688	870	<350	mg/kg	TM20/PM0

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	55-57	58-60	LOD/LOR	Units	Method No.
Sample ID	WS-09	WS-10	WS-10	WS-11	WS-12	WS-12	WS-13	WS-13	WS-14	WS-16			
Depth	1.00-1.50	0.00-1.00	1.00-2.00	0.00-0.70	0.00-1.00	1.00-2.00	0.00-1.00	1.00-2.00	0.00-1.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	30/08/2019	29/08/2019	29/08/2019	03/09/2019	30/08/2019	30/08/2019	03/09/2019	03/09/2019	28/08/2019	03/09/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
Dissolved Antimony #	<0.002	0.017	<0.002	0.014	0.005	<0.002	0.038	0.006	<0.002	0.021	<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	<0.02	0.17	<0.02	0.14	0.05	<0.02	0.38	0.06	<0.02	0.21	<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	<0.0025	0.0222	<0.0025	<0.0025	0.0038	0.0031	0.0163	<0.0025	<0.0025	0.0153	<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	<0.025	0.222	<0.025	<0.025	0.038	0.031	0.163	<0.025	<0.025	0.153	<0.025	mg/kg	TM30/PM17
Dissolved Barium #	<0.003	0.146	0.073	0.121	<0.003	<0.003	0.010	<0.003	0.016	0.181	<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	<0.03	1.46	0.73	1.21	<0.03	<0.03	0.10	<0.03	0.16	1.81	<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	0.0006	0.0477	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005	<0.005	0.006	0.477	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	0.0020	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	0.0015	<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	0.020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	mg/kg	TM30/PM17
Dissolved Copper #	<0.007	<0.007	<0.007	0.029	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	<0.07	<0.07	<0.07	0.29	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM30/PM17
Dissolved Lead #	<0.005	0.087	0.010	0.541	<0.005	<0.005	0.006	<0.005	<0.005	0.060	<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	<0.05	0.87	0.10	5.41	<0.05	<0.05	0.06	<0.05	<0.05	0.60	<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	<0.002	0.009	0.006	0.004	0.012	0.004	0.006	<0.002	0.009	0.011	<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	<0.02	0.09	0.06	0.04	0.12	0.04	0.06	<0.02	0.09	0.11	<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	<0.003	<0.003	<0.003	<0.003	0.007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	<0.03	<0.03	<0.03	<0.03	0.07	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	<0.003	0.013	0.045	4.186	0.004	0.005	0.008	0.004	<0.003	0.011	<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	<0.03	0.13	0.45	41.86	0.04	0.05	0.08	0.04	<0.03	0.11	<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001	<0.00001	<0.00001	0.00008	<0.00001	<0.00001	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001	<0.0001	<0.0001	0.0008	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	mg/kg	TM61/PM0
Phenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/l	TM26/PM0
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM26/PM0
Fluoride	1.0	<0.3	<0.3	0.3	0.4	<0.3	0.4	<0.3	<0.3	<0.3	<0.3	mg/l	TM173/PM0
Fluoride	10	<3	<3	3	4	<3	4	<3	<3	<3	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	58.9	21.4	39.8	828.2	7.7	7.4	23.4	1.7	376.2	13.2	<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	589	214	398	8282	77	74	234	17	3762	132	<5	mg/kg	TM38/PM0
Chloride #	57.8	0.5	8.9	2.6	0.8	8.7	0.9	0.6	0.5	0.7	<0.3	mg/l	TM38/PM0
Chloride #	578	5	89	26	8	87	9	6	5	7	<3	mg/kg	TM38/PM0
Dissolved Organic Carbon	3	<2	<2	3	3	6	6	4	2	<2	<2	mg/l	TM60/PM0
Dissolved Organic Carbon	30	<20	<20	30	30	60	60	40	<20	<20	<20	mg/kg	TM60/PM0
pH	8.24	9.06	8.67	7.26	8.26	8.32	8.14	8.49	7.71	8.62	<0.01	pH units	TM73/PM0
Total Dissolved Solids #	278	100	102	1523	62	62	99	71	591	86	<35	mg/l	TM20/PM0
Total Dissolved Solids #	2781	1000	1020	15230	620	620	990	710	5910	860	<350	mg/kg	TM20/PM0

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	61-63	64-66	67-69	70-72	73-75	76-78	79-81	82-84	85-87	88-90	LOD/LOR	Units	Method No.
Sample ID	WS-17	WS-18	WS-18	WS-18	WS-19	WS-19	WS-20	WS-21	WS-21	WS-21			
Depth	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.80	0.00-1.00	1.00-1.60	0.00-1.00	0.00-1.00	1.00-2.00	2.00-3.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	03/09/2019	03/09/2019	29/08/2019	29/08/2019	29/08/2019	29/08/2019			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019			
Dissolved Antimony #	<0.002	0.027	0.010	<0.002	<0.002	0.003	<0.002	0.002	0.006	0.002	<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	<0.02	0.27	0.10	<0.02	<0.02	0.03	<0.02	0.02	0.06	0.02	<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	<0.0025	0.0033	0.0080	0.0068	0.0040	<0.0025	0.0039	0.0030	<0.0025	<0.0025	<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	<0.025	0.033	0.080	0.068	0.040	<0.025	0.039	0.030	<0.025	<0.025	<0.025	mg/kg	TM30/PM17
Dissolved Barium #	0.011	0.025	0.011	0.031	0.016	0.018	0.015	0.003	0.012	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	0.11	0.25	0.11	0.31	0.16	0.18	0.15	0.03	0.12	<0.03	<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	<0.0005	0.0017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005	<0.005	<0.005	0.017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	<0.0015	0.0018	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	<0.015	0.018	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	mg/kg	TM30/PM17
Dissolved Copper #	<0.007	0.028	0.014	0.015	0.021	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	<0.07	0.28	0.14	0.15	0.21	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM30/PM17
Dissolved Lead #	<0.005	0.011	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	<0.05	0.11	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	0.007	0.006	0.003	0.006	0.018	0.017	0.016	0.004	0.003	0.003	<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	0.07	0.06	0.03	0.06	0.18	0.17	0.16	0.04	0.03	0.03	<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	<0.003	<0.003	<0.003	<0.003	0.009	<0.003	0.005	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	<0.03	<0.03	<0.03	<0.03	0.09	<0.03	0.05	<0.03	<0.03	<0.03	<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	<0.003	0.029	0.007	0.607	0.003	<0.003	<0.003	<0.003	0.004	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	<0.03	0.29	0.07	6.07	0.03	<0.03	<0.03	<0.03	0.04	<0.03	<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001	0.00005	0.00003	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001	0.0005	0.0003	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/kg	TM61/PM0
Phenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/l	TM26/PM0
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM26/PM0
Fluoride	0.4	0.5	0.4	0.5	0.5	0.5	0.3	<0.3	0.5	<0.3	<0.3	mg/l	TM173/PM0
Fluoride	4	5	4	5	5	5	3	<3	5	<3	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	258.1	18.9	40.3	149.5	10.5	35.2	60.5	9.9	21.2	18.7	<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	2582	189	403	1495	105	352	605	99	212	187	<5	mg/kg	TM38/PM0
Chloride #	3.9	2.3	9.0	6.7	0.6	2.1	0.5	1.7	8.9	18.2	<0.3	mg/l	TM38/PM0
Chloride #	39	23	90	67	6	21	5	17	89	182	<3	mg/kg	TM38/PM0
Dissolved Organic Carbon	<2	17	7	<2	4	3	3	3	5	3	<2	mg/l	TM60/PM0
Dissolved Organic Carbon	<20	170	70	<20	40	30	30	30	50	30	<20	mg/kg	TM60/PM0
pH	7.84	8.38	9.34	7.68	10.74	8.30	10.04	8.63	8.30	8.21	<0.01	pH units	TM73/PM0
Total Dissolved Solids #	426	133	152	403	95	103	166	61	142	122	<35	mg/l	TM20/PM0
Total Dissolved Solids #	4262	1330	1520	4030	950	1031	1661	610	1421	1220	<350	mg/kg	TM20/PM0

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2019

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	91-93	94-96	97-99	100-102	103-105						LOD/LOR	Units	Method No.
Sample ID	WS-21	WS-22	WS-23	WS-23	WS-24								
Depth	3.00-4.00	0.00-1.00	0.00-1.00	1.00-2.00	0.00-0.50								
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T								
Sample Date	29/08/2019	29/08/2019	02/09/2019	02/09/2019	02/09/2019								
Sample Type	Soil	Soil	Soil	Soil	Soil								
Batch Number	1	1	1	1	1								
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019								
Dissolved Antimony #	<0.002	0.003	0.006	<0.002	<0.002						<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	<0.02	0.03	0.06	<0.02	<0.02						<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	<0.0025	0.0026	<0.0025	<0.0025	<0.0025						<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	<0.025	0.026	<0.025	<0.025	<0.025						<0.025	mg/kg	TM30/PM17
Dissolved Barium #	<0.003	0.011	0.028	0.021	0.014						<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	<0.03	0.11	0.28	0.21	0.14						<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005						<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005	<0.005	<0.005	<0.005	<0.005						<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015						<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	<0.015	<0.015	<0.015	<0.015	<0.015						<0.015	mg/kg	TM30/PM17
Dissolved Copper #	<0.007	<0.007	<0.007	0.008	<0.007						<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	<0.07	<0.07	<0.07	0.08	<0.07						<0.07	mg/kg	TM30/PM17
Dissolved Lead #	<0.005	<0.005	<0.005	<0.005	<0.005						<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	<0.05	<0.05	<0.05	<0.05	<0.05						<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	0.007	0.008	0.019	0.008	0.026						<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	0.07	0.08	0.19	0.08	0.26						<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	<0.002	<0.002						<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02	<0.02	<0.02	<0.02	<0.02						<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	<0.003	<0.003	<0.003	<0.003	0.011						<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	<0.03	<0.03	<0.03	<0.03	0.11						<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	<0.003	<0.003	0.005	0.005	<0.003						<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	<0.03	<0.03	0.05	0.05	<0.03						<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001						<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001						<0.0001	mg/kg	TM61/PM0
Phenol	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01	mg/l	TM26/PM0
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1						<0.1	mg/kg	TM26/PM0
Fluoride	<0.3	0.4	0.5	0.4	0.8						<0.3	mg/l	TM173/PM0
Fluoride	<3	4	5	4	8						<3	mg/kg	TM173/PM0
Sulphate as SO4 #	12.9	68.3	208.9	21.2	470.4						<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	129	683	2089	212	4703						<5	mg/kg	TM38/PM0
Chloride #	16.7	0.8	0.3	<0.3	0.8						<0.3	mg/l	TM38/PM0
Chloride #	167	8	3	<3	8						<3	mg/kg	TM38/PM0
Dissolved Organic Carbon	3	2	2	3	3						<2	mg/l	TM60/PM0
Dissolved Organic Carbon	30	<20	20	30	30						<20	mg/kg	TM60/PM0
pH	8.26	8.06	7.90	7.20	10.30						<0.01	pH units	TM73/PM0
Total Dissolved Solids #	98	156	378	78	805						<35	mg/l	TM20/PM0
Total Dissolved Solids #	980	1560	3780	780	8048						<350	mg/kg	TM20/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : EN12457_2

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Sample ID	WS-01	WS-02	WS-03	WS-04	WS-04	WS-04	WS-05	WS-05	WS-07	WS-09						
Depth	0.00-0.50	0.00-0.50	0.00-0.54	0.00-1.00	1.00-2.00	2.00-2.20	0.00-1.00	1.00-1.70	0.00-0.70	0.00-1.00						
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	30/08/2019	30/08/2019						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	1	1	1	1	1	1	1	1	1	1						
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019						
Solid Waste Analysis																
Total Organic Carbon #	0.43	0.17	0.52	0.37	0.08	0.14	0.47	0.11	0.32	7.10	3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	<0.025 SV	<0.025 SV	<0.025 SV	<0.025	<0.025	<0.025	<0.025 SV	<0.025	<0.025	<0.025	6	-	-	<0.025	mg/kg	TM31/PM12
Sum of 7 PCBs #	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	150	<30	<30	<30	<30	<30	<30	<30	<30	<30	500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	0.27	<0.22	0.47	1.04	<0.22	<0.22	0.51	<0.22	<0.22	36.49	-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	0.64	<0.64	0.77	1.94	<0.64	<0.64	0.92	<0.64	<0.64	66.95	100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																
Arsenic #	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.046	0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	1.10	0.79	0.98	0.03	<0.03	<0.03	0.04	<0.03	0.18	0.35	20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.08	2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	0.10	0.09	0.11	0.09	0.05	0.08	0.15	0.06	0.09	0.05	0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	0.04	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	0.06	0.06	0.06	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	1060	870	700	650	810	1200	660	760	4688	870	4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	30	<20	<20	30	<20	40	30	<20	<20	40	500	800	1000	<20	mg/kg	TM60/PM0
Mass of raw test portion	0.0963	0.0948	0.0877	0.0973	0.105	0.0996	0.1071	0.1019	0.0942	0.1078	-	-	-		kg	NONE/PM17
Dry Matter Content Ratio	93.4	94.8	102.3	92.5	85.3	90.3	84.0	88.4	95.1	83.3	-	-	-	<0.1	%	NONE/PM4
Leachant Volume	0.894	0.895	0.9	0.893	0.884	0.89	0.883	0.888	0.895	0.882	-	-	-		l	NONE/PM17
Eluate Volume	0.85	0.85	0.82	0.85	0.75	0.85	0.75	0.82	0.82	0.8	-	-	-		l	NONE/PM17
pH #	9.13	8.51	8.97	9.01	9.05	9.16	9.06	9.14	8.69	8.66	-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	<3	<3	5	<3	8	<3	4	<3	<3	<3	-	-	-	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	126	231	114	10	54	115	124	66	2825	98	1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	34	4	<3	<3	12	246	22	30	40	8	800	15000	25000	<3	mg/kg	TM38/PM0

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : **EN12457_2**

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	55-57	58-60	Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Sample ID	WS-09	WS-10	WS-10	WS-11	WS-12	WS-12	WS-13	WS-13	WS-14	WS-16						
Depth	1.00-1.50	0.00-1.00	1.00-2.00	0.00-0.70	0.00-1.00	1.00-2.00	0.00-1.00	1.00-2.00	0.00-1.00	0.00-1.00						
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	30/08/2019	29/08/2019	29/08/2019	03/09/2019	30/08/2019	30/08/2019	03/09/2019	03/09/2019	28/08/2019	03/09/2019						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	1	1	1	1	1	1	1	1	1	1						
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019						
Solid Waste Analysis																
Total Organic Carbon #	1.85	0.67	NDP	1.56	2.16	0.76	8.07	1.51	0.10	0.95	3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	<0.025	<0.025 SV	<0.025 SV	<0.025 SV	<0.025	<0.025	<0.025 SV	<0.025	<0.025	<0.025	6	-	-	<0.025	mg/kg	TM31/PM12
Sum of 7 PCBs #	<0.035	<0.035	<0.035	<0.175 BB	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	<30	117	<30	201	<30	<30	<30	<30	38	72	500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	3.25	1.92	0.83	<2.20 BC	2.69	1.17	45.63	<0.22	<0.22	2.50	-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	6.20	3.45	1.54	<6.40 BC	5.16	2.20	77.78	<0.64	<0.64	4.50	100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																
Arsenic #	<0.025	0.222	<0.025	<0.025	0.038	0.031	0.163	<0.025	<0.025	0.153	0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	<0.03	1.46	0.73	1.21	<0.03	<0.03	0.10	<0.03	0.16	1.81	20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005	<0.005	0.006	0.477	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	0.020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	<0.07	<0.07	<0.07	0.29	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001	<0.0001	<0.0001	0.0008	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	<0.02	0.09	0.06	0.04	0.12	0.04	0.06	<0.02	0.09	0.11	0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	<0.05	0.87	0.10	5.41	<0.05	<0.05	0.06	<0.05	<0.05	0.60	0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	<0.02	0.17	<0.02	0.14	0.05	<0.02	0.38	0.06	<0.02	0.21	0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	<0.03	<0.03	<0.03	<0.03	0.07	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	<0.03	0.13	0.45	41.86	0.04	0.05	0.08	0.04	<0.03	0.11	4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	2781	1000	1020	15230	620	620	990	710	5910	860	4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	30	<20	<20	30	30	60	60	40	<20	<20	500	800	1000	<20	mg/kg	TM60/PM0
Mass of raw test portion	0.1299	0.095	0.0964	0.0978	0.1019	0.0991	0.1115	0.1073	0.0935	0.1011	-	-	-		kg	NONE/PM17
Dry Matter Content Ratio	69.1	94.5	93.4	91.8	88.6	90.6	80.9	83.5	95.8	89.2	-	-	-	<0.1	%	NONE/PM4
Leachant Volume	0.86	0.895	0.894	0.892	0.888	0.891	0.879	0.882	0.896	0.889	-	-	-		l	NONE/PM17
Eluate Volume	0.7	0.85	0.8	0.8	0.8	0.85	0.85	0.8	0.8	0.85	-	-	-		l	NONE/PM17
pH #	8.57	8.81	8.68	7.91	8.78	9.18	8.68	8.80	8.44	8.82	-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	10	<3	<3	3	4	<3	4	<3	<3	<3	-	-	-	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	589	214	398	8282	77	74	234	17	3762	132	1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	578	5	89	26	8	87	9	6	5	7	800	15000	25000	<3	mg/kg	TM38/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : **EN12457_2**

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	61-63	64-66	67-69	70-72	73-75	76-78	79-81	82-84	85-87	88-90						
Sample ID	WS-17	WS-18	WS-18	WS-18	WS-19	WS-19	WS-20	WS-21	WS-21	WS-21						
Depth	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.80	0.00-1.00	1.00-1.60	0.00-1.00	0.00-1.00	1.00-2.00	2.00-3.00						
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	03/09/2019	03/09/2019	29/08/2019	29/08/2019	29/08/2019	29/08/2019						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	1	1	1	1	1	1	1	1	1	1						
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Solid Waste Analysis																
Total Organic Carbon #	0.10	NDP	NDP	20.55	0.44	0.70	0.26	1.09	2.78	0.68	3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	<0.025	<0.025 SV	<0.025 SV	<0.025 SV	<0.025 SV	<0.025	<0.025	<0.025	<0.025	<0.025	6	-	-	<0.025	mg/kg	TM31/PM12
Sum of 7 PCBs #	<0.035	<0.035	<0.175 BB	<0.175 BB	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	<30	108	191	819 BA	34	<30	<30	<30	<30	<30	500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	<0.22	25.83	62.63 BC	28.40 BC	3.18	5.36	<0.22	3.92	1.72	<0.22	-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	<0.64	50.08	82.84 BC	56.17 BC	6.23	10.57	<0.64	7.71	3.12	<0.64	100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																
Arsenic #	<0.025	0.033	0.080	0.068	0.040	<0.025	0.039	0.030	<0.025	<0.025	0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	0.11	0.25	0.11	0.31	0.16	0.18	0.15	0.03	0.12	<0.03	20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005	<0.005	<0.005	0.017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	<0.015	0.018	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	<0.07	0.28	0.14	0.15	0.21	<0.07	<0.07	<0.07	<0.07	<0.07	2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001	0.0005	0.0003	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	0.07	0.06	0.03	0.06	0.18	0.17	0.16	0.04	0.03	0.03	0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	<0.05	0.11	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	<0.02	0.27	0.10	<0.02	<0.02	0.03	<0.02	0.02	0.06	0.02	0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	<0.03	<0.03	<0.03	<0.03	0.09	<0.03	0.05	<0.03	<0.03	<0.03	0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	<0.03	0.29	0.07	6.07	0.03	<0.03	<0.03	<0.03	0.04	<0.03	4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	4262	1330	1520	4030	950	1031	1661	610	1421	1220	4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	<20	170	70	<20	40	30	30	30	50	30	500	800	1000	<20	mg/kg	TM60/PM0
Mass of raw test portion	0.096	0.1073	0.1068	0.1216	0.0981	0.0989	0.0976	0.1015	0.1164	0.111	-	-	-		kg	NONE/PM17
Dry Matter Content Ratio	93.4	84.0	84.0	73.8	91.8	90.5	92.5	88.2	77.3	80.9	-	-	-	<0.1	%	NONE/PM4
Leachant Volume	0.894	0.883	0.883	0.868	0.892	0.891	0.893	0.888	0.874	0.879	-	-	-		l	NONE/PM17
Eluate Volume	0.85	0.85	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.75	-	-	-		l	NONE/PM17
pH #	8.65	8.41	8.71	7.91	10.05	8.59	9.44	9.00	8.58	8.55	-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	4	5	4	5	5	5	3	<3	5	<3	-	-	-	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	2582	189	403	1495	105	352	605	99	212	187	1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	39	23	90	67	6	21	5	17	89	182	800	15000	25000	<3	mg/kg	TM38/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton
EMT Job No: 19/14295

Report : **EN12457_2**

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	91-93	94-96	97-99	100-102	103-105						Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Sample ID	WS-21	WS-22	WS-23	WS-23	WS-24											
Depth	3.00-4.00	0.00-1.00	0.00-1.00	1.00-2.00	0.00-0.50											
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T											
Sample Date	29/08/2019	29/08/2019	02/09/2019	02/09/2019	02/09/2019											
Sample Type	Soil	Soil	Soil	Soil	Soil											
Batch Number	1	1	1	1	1											
Date of Receipt	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019											
Solid Waste Analysis																
Total Organic Carbon #	0.72	0.62	1.51	0.84	0.21						3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	<0.025	<0.025	<0.025	<0.025	<0.025						6	-	-	<0.025	mg/kg	TM31/PM12
Sum of 7 PCBs #	<0.035	<0.035	<0.035	<0.035	<0.035						1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	105	<30	<30	<30	<30						500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	0.72	1.61	2.05	2.94	<0.22						-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	1.22	2.91	4.05	5.56	<0.64						100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																
Arsenic #	<0.025	0.026	<0.025	<0.025	<0.025						0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	<0.03	0.11	0.28	0.21	0.14						20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005	<0.005	<0.005	<0.005	<0.005						0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	<0.015	<0.015	<0.015	<0.015	<0.015						0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	<0.07	<0.07	<0.07	0.08	<0.07						2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001						0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	0.07	0.08	0.19	0.08	0.26						0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02	<0.02	<0.02	<0.02	<0.02						0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	<0.05	<0.05	<0.05	<0.05	<0.05						0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	<0.02	0.03	0.06	<0.02	<0.02						0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	<0.03	<0.03	<0.03	<0.03	0.11						0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	<0.03	<0.03	0.05	0.05	<0.03						4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	980	1560	3780	780	8048						4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	30	<20	20	30	30						500	800	1000	<20	mg/kg	TM60/PM0
Mass of raw test portion	0.1026	0.0988	0.1054	0.1001	0.099						-	-	-		kg	NONE/PM17
Dry Matter Content Ratio	87.6	91.1	85.7	90.1	91.2						-	-	-	<0.1	%	NONE/PM4
Leachant Volume	0.887	0.891	0.885	0.89	0.891						-	-	-		l	NONE/PM17
Eluate Volume	0.8	0.8	0.8	0.85	0.85						-	-	-		l	NONE/PM17
pH #	8.95	8.57	8.35	8.81	10.52						-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1						1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	<3	4	5	4	8						-	-	-	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	129	683	2089	212	4703						1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	167	8	3	<3	8						800	15000	25000	<3	mg/kg	TM38/PM0

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton

Matrix : Solid

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	EPH Interpretation
19/14295	1	WS-01	0.00-0.50	1-3	Possible tarmac/bitumen
19/14295	1	WS-02	0.00-0.50	4-6	No interpretation possible
19/14295	1	WS-03	0.00-0.54	7-9	No interpretation possible
19/14295	1	WS-04	0.00-1.00	10-12	No interpretation possible
19/14295	1	WS-04	1.00-2.00	13-15	No interpretation possible
19/14295	1	WS-04	2.00-2.20	16-18	No interpretation possible
19/14295	1	WS-05	0.00-1.00	19-21	No interpretation possible
19/14295	1	WS-05	1.00-1.70	22-24	No interpretation possible
19/14295	1	WS-07	0.00-0.70	25-27	No interpretation possible
19/14295	1	WS-09	0.00-1.00	28-30	PAH's
19/14295	1	WS-09	1.00-1.50	31-33	No interpretation possible
19/14295	1	WS-10	0.00-1.00	34-36	Possible tarmac/bitumen & Lubricating oil
19/14295	1	WS-10	1.00-2.00	37-39	No interpretation possible
19/14295	1	WS-11	0.00-0.70	40-42	Possible tarmac/bitumen, Lubricating oil & PAH's
19/14295	1	WS-12	0.00-1.00	43-45	No interpretation possible
19/14295	1	WS-12	1.00-2.00	46-48	No interpretation possible
19/14295	1	WS-13	0.00-1.00	49-51	PAH's & Possible trace of degraded diesel
19/14295	1	WS-13	1.00-2.00	52-54	No interpretation possible
19/14295	1	WS-14	0.00-1.00	55-57	No interpretation possible
19/14295	1	WS-16	0.00-1.00	58-60	Possible PAH's & Possible trace of degraded diesel
19/14295	1	WS-17	0.00-1.00	61-63	No interpretation possible
19/14295	1	WS-18	0.00-1.00	64-66	PAH's, Possible lubricating oil & Possible trace of degraded diesel
19/14295	1	WS-18	1.00-2.00	67-69	PAH's & Possible tarmac/bitumen
19/14295	1	WS-18	2.00-2.80	70-72	PAH's, Lubricating oil & Possible tarmac/bitumen
19/14295	1	WS-19	0.00-1.00	73-75	Possible tarmac/bitumen & Possible PAH's
19/14295	1	WS-19	1.00-1.60	76-78	No interpretation possible
19/14295	1	WS-20	0.00-1.00	79-81	No interpretation possible
19/14295	1	WS-21	0.00-1.00	82-84	No interpretation possible
19/14295	1	WS-21	1.00-2.00	85-87	No interpretation possible
19/14295	1	WS-21	2.00-3.00	88-90	No interpretation possible
19/14295	1	WS-21	3.00-4.00	91-93	Lubricating oil
19/14295	1	WS-22	0.00-1.00	94-96	PAH's

Client Name: Ground Investigations Ireland
Reference: 8979-08-19
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Contact: Barry Sexton

Matrix : Solid

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	EPH Interpretation
19/14295	1	WS-23	0.00-1.00	97-99	No interpretation possible
19/14295	1	WS-23	1.00-2.00	100-102	No interpretation possible
19/14295	1	WS-24	0.00-0.50	103-105	No interpretation possible

Client Name: Ground Investigations Ireland
Reference: 19/08/8979
Location: Galway Docklands/Port
Contact: Barry Sexton

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Note:

Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions, including ACM type and Asbestos level less than 0.1%, lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

Signed on behalf of Element Materials Technology:

Ryan Butterworth
Asbestos Team Leader

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
19/14295	1	WS-01	0.00-0.50	2	06/09/2019	**General Description (Bulk Analysis)**	Soil
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-02	0.00-0.50	5	06/09/2019	**General Description (Bulk Analysis)**	Soil
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-03	0.00-0.54	8	06/09/2019	**General Description (Bulk Analysis)**	Soil
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-04	0.00-1.00	11	06/09/2019	**General Description (Bulk Analysis)**	Soil
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-04	1.00-2.00	14	06/09/2019	**General Description (Bulk Analysis)**	soil-stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-04	2.00-2.20	17	06/09/2019	**General Description (Bulk Analysis)**	soil-stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-05	0.00-1.00	20	06/09/2019	**General Description (Bulk Analysis)**	soil-stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD

Client Name: Ground Investigations Ireland
Reference: 19/08/8979
Location: Galway Docklands/Port
Contact: Barry Sexton

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
19/14295	1	WS-05	0.00-1.00	20	06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-05	1.00-1.70	23	06/09/2019	**General Description (Bulk Analysis)**	soil-stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-07	0.00-0.70	26	06/09/2019	**General Description (Bulk Analysis)**	Soil/Stone
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-09	0.00-1.00	29	06/09/2019	**General Description (Bulk Analysis)**	Soil/Stone
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-09	1.00-1.50	32	10/09/2019	**General Description (Bulk Analysis)**	soil/stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-10	0.00-1.00	35	10/09/2019	**General Description (Bulk Analysis)**	soil.stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-10	1.00-2.00	38	06/09/2019	**General Description (Bulk Analysis)**	soil-stones
					06/09/2019	**Asbestos Fibres**	Fibre Bundles
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	Chrysotile
					06/09/2019	**Asbestos Level Screen**	less than 0.1%
					17/09/2019	**Total ACM Gravimetric Quantification (% Asb)**	<0.001 (mass %)
					17/09/2019	**Total Detailed Gravimetric Quantification (% Asb)**	<0.001 (mass %)
					17/09/2019	**Total Gravimetric Quantification (ACM + Detailed) (% Asb)**	<0.001 (mass %)
19/14295	1	WS-11	0.00-0.70	41	06/09/2019	**General Description (Bulk Analysis)**	soil-stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-12	0.00-1.00	44	09/09/2019	**General Description (Bulk Analysis)**	Soil/Stones
					09/09/2019	**Asbestos Fibres**	NAD
					09/09/2019	**Asbestos ACM**	NAD
					09/09/2019	**Asbestos Type**	NAD
					09/09/2019	**Asbestos Level Screen**	NAD

Client Name: Ground Investigations Ireland
Reference: 19/08/8979
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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
19/14295	1	WS-12	1.00-2.00	47	09/09/2019	**General Description (Bulk Analysis)**	Soil/Stones
					09/09/2019	**Asbestos Fibres**	NAD
					09/09/2019	**Asbestos ACM**	NAD
					09/09/2019	**Asbestos Type**	NAD
					09/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-13	0.00-1.00	50	06/09/2019	**General Description (Bulk Analysis)**	soil.stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-13	1.00-2.00	53	06/09/2019	**General Description (Bulk Analysis)**	soil.stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-14	0.00-1.00	56	06/09/2019	**General Description (Bulk Analysis)**	soil.stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-16	0.00-1.00	59	06/09/2019	**General Description (Bulk Analysis)**	soil.stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-17	0.00-1.00	62	06/09/2019	**General Description (Bulk Analysis)**	Soil/Stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-18	0.00-1.00	65	06/09/2019	**General Description (Bulk Analysis)**	Soil/Stones
					06/09/2019	**Asbestos Fibres**	Fibre Bundles
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	Chrysotile
					06/09/2019	**Asbestos Level Screen**	less than 0.1%
					17/09/2019	**Total ACM Gravimetric Quantification (% Asb)**	<0.001 (mass %)
					17/09/2019	**Total Detailed Gravimetric Quantification (% Asb)**	<0.001 (mass %)
					17/09/2019	**Total Gravimetric Quantification (ACM + Detailed) (% Asb)**	<0.001 (mass %)
19/14295	1	WS-18	1.00-2.00	68	06/09/2019	**General Description (Bulk Analysis)**	Soil/Stones
					06/09/2019	**Asbestos Fibres**	Fibre Bundles
					06/09/2019	**Asbestos Fibres (2)**	Fibre Bundles
					06/09/2019	**Asbestos ACM**	Bitumen Products
					06/09/2019	**Asbestos ACM (2)**	NAD
					06/09/2019	**Asbestos Type**	Chrysotile
					06/09/2019	**Asbestos Type (2)**	Amosite
					06/09/2019	**Asbestos Level Screen**	less than 0.1%

Client Name: Ground Investigations Ireland
Reference: 19/08/8979
Location: Galway Docklands/Port
Contact: Barry Sexton

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
19/14295	1	WS-18	1.00-2.00	68	17/09/2019	**Total ACM Gravimetric Quantification (% Asb)**	<0.001 (mass %)
					17/09/2019	**Total Detailed Gravimetric Quantification (% Asb)**	0.051 (mass %)
					17/09/2019	**Total Gravimetric Quantification (ACM + Detailed) (% Asb)**	0.051 (mass %)
19/14295	1	WS-18	2.00-2.80	71	06/09/2019	**General Description (Bulk Analysis)**	Soil/Stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-19	0.00-1.00	74	10/09/2019	**General Description (Bulk Analysis)**	soil/stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-19	1.00-1.60	77	10/09/2019	**General Description (Bulk Analysis)**	soil/stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-20	0.00-1.00	80	10/09/2019	**General Description (Bulk Analysis)**	soil/stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-21	0.00-1.00	83	06/09/2019	**General Description (Bulk Analysis)**	soil.stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-21	1.00-2.00	86	06/09/2019	**General Description (Bulk Analysis)**	soil.stones
					06/09/2019	**Asbestos Fibres**	NAD
					06/09/2019	**Asbestos ACM**	NAD
					06/09/2019	**Asbestos Type**	NAD
					06/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-21	2.00-3.00	89	10/09/2019	**General Description (Bulk Analysis)**	soil.stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-21	3.00-4.00	92	10/09/2019	**General Description (Bulk Analysis)**	soil.stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD

Client Name: Ground Investigations Ireland
Reference: 19/08/8979
Location: Galway Docklands/Port
Contact: Barry Sexton

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
19/14295	1	WS-22	0.00-1.00	95	10/09/2019	**General Description (Bulk Analysis)**	soil.stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-23	0.00-1.00	98	10/09/2019	**General Description (Bulk Analysis)**	Soil/Stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-23	1.00-2.00	101	10/09/2019	**General Description (Bulk Analysis)**	Soil/Stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD
19/14295	1	WS-24	0.00-0.50	104	10/09/2019	**General Description (Bulk Analysis)**	Soil/Stones
					10/09/2019	**Asbestos Fibres**	NAD
					10/09/2019	**Asbestos ACM**	NAD
					10/09/2019	**Asbestos Type**	NAD
					10/09/2019	**Asbestos Level Screen**	NAD

Client Name: Ground Investigations Ireland

Reference: 8979-08-19

Location: Galway Docklands/Port

Contact: Barry Sexton

Matrix : Solid

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Method No.	NDP Reason
19/14295	1	WS-10	1.00-2.00	37-39	TM21/PM24	Asbestos detected in sample
19/14295	1	WS-18	0.00-1.00	64-66	TM21/PM24	Asbestos detected in sample
19/14295	1	WS-18	1.00-2.00	67-69	TM21/PM24	Asbestos detected in sample

Element Materials Technology

Notification of Deviating Samples

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Client Name: Ground Investigations Ireland
Reference: 8979-08-19
Location: Galway Docklands/Port
Contact: Barry Sexton

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
No deviating sample report results for job 19/14295						

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.
Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 19/14295

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

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REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

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ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range
AA	x3 Dilution

AB	x5 Dilution
AC	x10 Dilution
BA	x3 Dilution
BB	x5 Dilution
BC	x10 Dilution

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EMT Job No: 19/14295

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM5	Modified 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	
TM5	Modified 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM20	Modified BS 1377-3: 1990/USEPA 160.3 Gravimetric determination of Total Dissolved Solids/Total Solids	PM0	No preparation is required.	Yes		AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes

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EMT Job No: 19/14295

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.			AR	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7, 6010B and BS EN ISO 11885 2009	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7, 6010B and BS EN ISO 11885 2009	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7, 6010B and BS EN ISO 11885 2009	PM17	Modified method BS EN12457-2 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.	Yes		AR	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7, 6010B and BS EN ISO 11885 2009	PM62	Acid digestion of as received solid samples using Aqua Regia refluxed at 112.5 °C.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results can be confirmed using GCMS.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results can be confirmed using GCMS.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods 325.2 (Chloride), 375.4 (Sulphate), 365.2 (o-Phosphate), 353.1 (TON), 354.1 (Nitrite), 350.1 (NH4+) comparable to BS ISO 15923-1, 7196A (Hex Cr)	PM0	No preparation is required.	Yes		AR	Yes

EMT Job No: 19/14295

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Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods 325.2 (Chloride), 375.4 (Sulphate), 365.2 (o-Phosphate), 353.1 (TON), 354.1 (Nitrite), 350.1 (NH4+) comparable to BS ISO 15923-1, 7196A (Hex Cr)	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AR	Yes
TM60	TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060, APHA Standard Methods for Examination of Water and Wastewater 5310B, ASTM D 7573, and USEPA 415.1.	PM0	No preparation is required.			AR	Yes
TM61	Modified US EPA methods 245.7 and 200.7. Determination of Mercury by Cold Vapour Atomic Fluorescence.	PM0	No preparation is required.	Yes		AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D and BS1377:1990. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D and BS1377:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes		AR	No
TM131	Quantification of Asbestos Fibres and ACM, based on HSG248 and SCA method.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	Yes
TM173	Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 340.2	PM0	No preparation is required.			AR	Yes
NONE	No Method Code	NONE	No Method Code			AD	Yes
NONE	No Method Code	NONE	No Method Code			AR	Yes

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EMT Job No: 19/14295

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
NONE	No Method Code	PM17	Modified method BS EN12457-2 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM17	Modified method BS EN12457-2 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.			AR	
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.			AR	

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

P: +44 (0) 1244 833780
F: +44 (0) 1244 833781
W: www.element.com

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Ground Investigations Ireland
Catherinestown House
Hazelhatch Road
Newcastle
Co. Dublin
Ireland

Attention :	Barry Sexton
Date :	18th October, 2022
Your reference :	12058-07-22
Our reference :	Test Report 22/16137 Batch 1
Location :	Galway Harbour Company
Date samples received :	4th October, 2022
Status :	Final Report
Issue :	1

Eleven samples were received for analysis on 4th October, 2022 of which eleven were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:

Liza Klebe
Project Co-ordinator

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton
EMT Job No: 22/16137

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

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Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	LOD/LOR	Units	Method No.
Sample ID	WS203	WS206	WS207	WS208	WS209	WS210	WS211	WS212	WS213	WS214			
Depth	0.00-0.70	0.00-0.50	0.00-0.60	0.00-0.90	0.00-0.60	0.00-0.90	0.00-0.70	0.00-0.60	0.00-0.50	0.00-0.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022			
Antimony	<1	<1	<1	<1	<1	<1	1	3	<1	1	<1	mg/kg	TM30/PM15
Arsenic #	2.6	3.5	16.6	1.9	2.5	4.4	4.8	8.8	1.7	2.7	<0.5	mg/kg	TM30/PM15
Barium #	34	10	12	13	12	38	188	140	9	23	<1	mg/kg	TM30/PM15
Cadmium #	0.3	0.2	0.3	0.3	0.3	0.8	2.2	2.0	0.2	0.3	<0.1	mg/kg	TM30/PM15
Chromium #	29.4	14.2	16.0	14.8	31.9	17.1	17.7	80.9	16.2	55.6	<0.5	mg/kg	TM30/PM15
Copper #	7	8	11	5	6	40	15	49	4	14	<1	mg/kg	TM30/PM15
Lead #	<5	8	10	7	<5	78	229	257	<5	15	<5	mg/kg	TM30/PM15
Mercury #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.3	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Molybdenum #	1.7	1.2	1.6	1.2	2.8	1.1	1.5	3.5	1.3	2.6	<0.1	mg/kg	TM30/PM15
Nickel #	8.5	7.2	7.7	6.3	8.4	4.5	5.7	16.9	5.9	9.9	<0.7	mg/kg	TM30/PM15
Selenium #	<1	<1	1	<1	<1	<1	<1	1	<1	<1	<1	mg/kg	TM30/PM15
Zinc #	46	14	23	13	74	135	254	269	7	31	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	<0.04	0.07	<0.04	0.13	0.20	0.13	0.13	0.15	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	0.10	<0.03	0.15	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	0.05	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene #	<0.03	0.09	<0.03	0.16	0.26	0.40	0.07	0.63	<0.03	0.05	<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04	<0.04	<0.04	<0.04	0.15	<0.04	0.23	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene #	<0.03	<0.03	<0.03	0.04	0.08	0.85	<0.03	1.24	<0.03	0.11	<0.03	mg/kg	TM4/PM8
Pyrene #	<0.03	0.05	<0.03	0.06	0.11	0.85	0.06	1.08	<0.03	0.11	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	<0.06	<0.06	<0.06	0.07	0.12	0.51	<0.06	0.67	<0.06	0.09	<0.06	mg/kg	TM4/PM8
Chrysene #	<0.02	0.05	<0.02	0.06	0.14	0.50	0.02	0.66	<0.02	0.06	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	<0.07	<0.07	<0.07	<0.07	0.11	0.97	<0.07	1.21	<0.07	0.12	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04	<0.04	<0.04	<0.04	<0.04	0.47	<0.04	0.61	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	<0.04	<0.04	<0.04	<0.04	<0.04	0.48	<0.04	0.48	<0.04	0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04	<0.04	<0.04	0.04	0.11	<0.04	0.13	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	<0.04	<0.04	<0.04	0.08	0.40	0.05	0.38	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Coronene	<0.04	<0.04	<0.04	<0.04	<0.04	0.18	<0.04	0.11	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
PAH 6 Total #	<0.22	<0.22	<0.22	<0.22	0.27	3.17	<0.22	3.92	<0.22	0.27	<0.22	mg/kg	TM4/PM8
PAH 17 Total	<0.64	<0.64	<0.64	<0.64	1.14	6.15	<0.64	7.78	<0.64	<0.64	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05	<0.05	<0.05	0.08	0.70	<0.05	0.87	<0.05	0.09	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	0.03	0.27	<0.02	0.34	<0.02	0.03	<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	95	96	93	96	93	96	95	94	93	94	<0	%	TM4/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	208	580	208	184	<30	191	163	<30	<30	<30	<30	mg/kg	TM5/PM8/PM16

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton
EMT Job No: 22/16137

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2022

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	LOD/LOR	Units	Method No.
Sample ID	WS203	WS206	WS207	WS208	WS209	WS210	WS211	WS212	WS213	WS214			
Depth	0.00-0.70	0.00-0.50	0.00-0.60	0.00-0.90	0.00-0.60	0.00-0.90	0.00-0.70	0.00-0.60	0.00-0.50	0.00-0.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022			
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL)#	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL)#	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL)#	<0.2	8.7	<0.2	3.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL)#	9	115	<4	13	<4	<4	<4	<4	<4	<4	<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL)#	69	48	<7	55	<7	<7	108	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL)#	123	317	174	113	<7	141	55	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
>C35-C40 (EH_1D_AL)	7	91	34	<7	<7	50	<7	<7	<7	<7	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40 (EH+HS_1D_AL)	208	580	208	184	<26	191	163	<26	<26	<26	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10 (HS_1D_AL)	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C25 (EH_1D_AL)	99	203	<10	82	<10	<10	135	<10	<10	<10	<10	mg/kg	TM5/PM8/PM16
>C25-C35 (EH_1D_AL)	62	249	138	76	<10	134	21	<10	<10	<10	<10	mg/kg	TM5/PM8/PM16
Aromatics													
>C5-EC7 (HS_1D_AR)#	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR)#	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR)#	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR)#	<0.2	<0.2	<0.2	3.9	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR)#	<4	6	<4	19	<4	<4	<4	<4	<4	<4	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR)#	27	30	<7	73	<7	19	23	12	<7	<7	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR)#	140	816	340	190	<7	632	14	87	<7	<7	<7	mg/kg	TM5/PM8/PM16
>EC35-EC40 (EH_1D_AR)	27	337	97	33	<7	206	<7	10	<7	<7	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40 (EH+HS_1D_AR)	194	1189	437	319	<26	857	37	109	<26	<26	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40) (EH+HS_CU_1D_Total)	402	1769	645	503	<52	1048	200	109	<52	<52	<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 (HS_1D_AR)#	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1 SV	<0.1	<0.1 SV	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC25 (EH_1D_AR)	39	45	19	135	<10	46	41	29	<10	<10	<10	mg/kg	TM5/PM8/PM16
>EC25-EC35 (EH_1D_AR)	103	652	282	126	<10	535	<10	68	<10	<10	<10	mg/kg	TM5/PM8/PM16
MTBE#	<5	<5 SV	<5 SV	<5	<5 SV	<5 SV	<5	<5 SV	<5	<5	<5	ug/kg	TM36/PM12
Benzene#	<5	<5 SV	<5 SV	<5	<5 SV	<5 SV	<5	<5 SV	<5	<5	<5	ug/kg	TM36/PM12
Toluene#	<5	<5 SV	<5 SV	<5	6 SV	<5 SV	22	<5 SV	<5	<5	<5	ug/kg	TM36/PM12
Ethylbenzene#	<5	<5 SV	<5 SV	<5	<5 SV	<5 SV	6	<5 SV	<5	<5	<5	ug/kg	TM36/PM12
m/p-Xylene#	7	<5 SV	<5 SV	<5	<5 SV	<5 SV	28	<5 SV	<5	<5	<5	ug/kg	TM36/PM12
o-Xylene#	6	<5 SV	<5 SV	<5	<5 SV	<5 SV	13	<5 SV	<5	<5	<5	ug/kg	TM36/PM12
PCB 28#	<5	<50 AA	<50 AA	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 52#	<5	<50 AA	<50 AA	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 101#	<5	<50 AA	<50 AA	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 118#	<5	<50 AA	<50 AA	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 138#	<5	<50 AA	<50 AA	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 153#	<5	<50 AA	<50 AA	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 180#	<5	<50 AA	<50 AA	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
Total 7 PCBs#	<35	<350 AA	<350 AA	<35	<35	<35	<35	<35	<35	<35	<35	ug/kg	TM17/PM8

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton
EMT Job No: 22/16137

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2022

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	LOD/LOR	Units	Method No.
Sample ID	WS203	WS206	WS207	WS208	WS209	WS210	WS211	WS212	WS213	WS214			
Depth	0.00-0.70	0.00-0.50	0.00-0.60	0.00-0.90	0.00-0.60	0.00-0.90	0.00-0.70	0.00-0.60	0.00-0.50	0.00-0.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022			
Natural Moisture Content	6.7	4.7	5.3	4.9	4.0	6.5	3.5	7.4	4.6	7.6	<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	6.3	4.5	5.0	4.7	3.8	6.1	3.3	6.9	4.4	7.1	<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/kg	TM38/PM20
Chromium III	29.4	14.2	16.0	14.8	31.9	17.1	17.7	80.9	16.2	55.6	<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	0.15	0.69	0.60	0.69	0.50	3.07	0.27	4.67	0.09	0.14	<0.02	%	TM21/PM24
Alkali Reserve	0.596	-	-	-	0.194	-	-	-	0.056	-	<0.000	gNaOH/100g	TM160/PM110
pH #	12.50	8.67	8.52	8.87	12.00	7.65	8.44	8.63	11.55	8.98	<0.01	pH units	TM73/PM11
Mass of raw test portion	0.0961	0.1082	0.098	0.1007	0.0989	0.137	0.0936	0.095	0.0971	0.1006		kg	NONE/PM17
Mass of dried test portion	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		kg	NONE/PM17

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton
EMT Job No: 22/16137

Report : **Solid**

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44										LOD/LOR	Units	Method No.
Sample ID	WS215												
Depth	0.00-0.50												
COC No / misc													
Containers	V J T												
Sample Date	29/09/2022												
Sample Type	Soil												
Batch Number	1												
Date of Receipt	04/10/2022												
Antimony	1										<1	mg/kg	TM30/PM15
Arsenic #	2.8										<0.5	mg/kg	TM30/PM15
Barium #	69										<1	mg/kg	TM30/PM15
Cadmium #	0.8										<0.1	mg/kg	TM30/PM15
Chromium #	25.0										<0.5	mg/kg	TM30/PM15
Copper #	37										<1	mg/kg	TM30/PM15
Lead #	69										<5	mg/kg	TM30/PM15
Mercury #	<0.1										<0.1	mg/kg	TM30/PM15
Molybdenum #	1.7										<0.1	mg/kg	TM30/PM15
Nickel #	7.8										<0.7	mg/kg	TM30/PM15
Selenium #	<1										<1	mg/kg	TM30/PM15
Zinc #	289										<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	0.12										<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.24										<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05										<0.05	mg/kg	TM4/PM8
Fluorene #	0.04										<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.46										<0.03	mg/kg	TM4/PM8
Anthracene #	0.12										<0.04	mg/kg	TM4/PM8
Fluoranthene #	0.96										<0.03	mg/kg	TM4/PM8
Pyrene #	0.84										<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.42										<0.06	mg/kg	TM4/PM8
Chrysene #	0.53										<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	0.99										<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.54										<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	0.51										<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.09										<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.46										<0.04	mg/kg	TM4/PM8
Coronene	0.17										<0.04	mg/kg	TM4/PM8
PAH 6 Total #	3.46										<0.22	mg/kg	TM4/PM8
PAH 17 Total	6.49										<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.71										<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.28										<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1										<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	94										<0	%	TM4/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	<30										<30	mg/kg	TM5/PM8/PM16

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton
EMT Job No: 22/16137

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44										LOD/LOR	Units	Method No.
Sample ID	WS215												
Depth	0.00-0.50												
COC No / misc													
Containers	V J T												
Sample Date	29/09/2022												
Sample Type	Soil												
Batch Number	1												
Date of Receipt	04/10/2022												
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL)#	<0.1										<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL)#	<0.1										<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	0.1										<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL)#	<0.2										<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL)#	<4										<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL)#	<7										<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL)#	<7										<7	mg/kg	TM5/PM8/PM16
>C35-C40 (EH_1D_AL)	<7										<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40 (EH+HS_1D_AL)	<26										<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10 (HS_1D_AL)	0.1										<0.1	mg/kg	TM36/PM12
>C10-C25 (EH_1D_AL)	<10										<10	mg/kg	TM5/PM8/PM16
>C25-C35 (EH_1D_AL)	<10										<10	mg/kg	TM5/PM8/PM16
Aromatics													
>C5-EC7 (HS_1D_AR)#	<0.1										<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR)#	<0.1										<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR)#	<0.1										<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR)#	<0.2										<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR)#	15										<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR)#	48										<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR)#	103										<7	mg/kg	TM5/PM8/PM16
>EC35-EC40 (EH_1D_AR)	7										<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40 (EH+HS_1D_AR)	173										<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40) (EH+HS_CU_1D_Total)	173										<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 (HS_1D_AR)#	<0.1										<0.1	mg/kg	TM36/PM12
>EC10-EC25 (EH_1D_AR)	118										<10	mg/kg	TM5/PM8/PM16
>EC25-EC35 (EH_1D_AR)	93										<10	mg/kg	TM5/PM8/PM16
MTBE#	<5										<5	ug/kg	TM36/PM12
Benzene#	<5										<5	ug/kg	TM36/PM12
Toluene#	<5										<5	ug/kg	TM36/PM12
Ethylbenzene#	<5										<5	ug/kg	TM36/PM12
m/p-Xylene#	6										<5	ug/kg	TM36/PM12
o-Xylene#	<5										<5	ug/kg	TM36/PM12
PCB 28#	<5										<5	ug/kg	TM17/PM8
PCB 52#	<5										<5	ug/kg	TM17/PM8
PCB 101#	<5										<5	ug/kg	TM17/PM8
PCB 118#	<5										<5	ug/kg	TM17/PM8
PCB 138#	<5										<5	ug/kg	TM17/PM8
PCB 153#	<5										<5	ug/kg	TM17/PM8
PCB 180#	<5										<5	ug/kg	TM17/PM8
Total 7 PCBs#	<35										<35	ug/kg	TM17/PM8

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton
EMT Job No: 22/16137

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44										LOD/LOR	Units	Method No.
Sample ID	WS215												
Depth	0.00-0.50												
COC No / misc													
Containers	V J T												
Sample Date	29/09/2022												
Sample Type	Soil												
Batch Number	1												
Date of Receipt	04/10/2022												
Natural Moisture Content	4.1										<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	3.9										<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3										<0.3	mg/kg	TM38/PM20
Chromium III	25.0										<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	0.33										<0.02	%	TM21/PM24
Alkali Reserve	-										<0.000	gNaOH/100g	TM160/PM110
pH #	8.42										<0.01	pH units	TM73/PM11
Mass of raw test portion	0.0953											kg	NONE/PM17
Mass of dried test portion	0.09											kg	NONE/PM17

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Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton
EMT Job No: 22/16137

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2022

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	LOD/LOR	Units	Method No.
Sample ID	WS203	WS206	WS207	WS208	WS209	WS210	WS211	WS212	WS213	WS214			
Depth	0.00-0.70	0.00-0.50	0.00-0.60	0.00-0.90	0.00-0.60	0.00-0.90	0.00-0.70	0.00-0.60	0.00-0.50	0.00-0.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022			
Dissolved Antimony #	<0.002	<0.002	<0.002	<0.002	<0.002	0.029	0.002	0.002	0.003	0.046	<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	<0.02	<0.02	<0.02	<0.02	<0.02	0.29	<0.02	0.02	0.03	0.46	<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0057	<0.0025	<0.0025	<0.0025	0.0069	<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	<0.025	<0.025	<0.025	<0.025	<0.025	0.057	<0.025	<0.025	<0.025	0.069	<0.025	mg/kg	TM30/PM17
Dissolved Barium #	0.128	0.005	0.012	0.015	0.042	0.105	0.051	0.028	0.038	0.047	<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	1.28	0.05	0.12	0.15	0.42	1.05	0.51	0.28	0.38	0.47	<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	0.0091	<0.0015	<0.0015	<0.0015	0.0062	<0.0015	0.0024	<0.0015	0.0116	<0.0015	<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	0.091	<0.015	<0.015	<0.015	0.062	<0.015	0.024	<0.015	0.116	<0.015	<0.015	mg/kg	TM30/PM17
Dissolved Copper #	<0.007	<0.007	<0.007	<0.007	0.019	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	<0.07	<0.07	<0.07	<0.07	0.19	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM30/PM17
Dissolved Lead #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	0.005	0.004	0.003	<0.002	<0.002	0.072	<0.002	0.005	0.003	0.025	<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	0.05	0.04	0.03	<0.02	<0.02	0.72	<0.02	0.05	0.03	0.25	<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	<0.003	<0.003	<0.003	<0.003	<0.003	0.018	0.013	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	<0.03	<0.03	<0.03	<0.03	<0.03	0.18	0.13	<0.03	<0.03	<0.03	<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/kg	TM61/PM0
Phenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/l	TM26/PM0
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM26/PM0
Fluoride	<0.3	<0.3	0.4	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/l	TM173/PM0
Fluoride	<3	<3	4	<3	<3	<3	<3	<3	<3	<3	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	9.1	3.8	3.9	2.4	20.1	54.2	1.9	1.5	49.8	4.1	<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	91	38	39	24	201	542	19	15	498	41	<5	mg/kg	TM38/PM0
Chloride #	6.1	1.4	1.3	0.6	4.4	18.3	1.0	0.6	11.3	2.4	<0.3	mg/l	TM38/PM0
Chloride #	61	14	13	6	44	183	10	6	113	24	<3	mg/kg	TM38/PM0
Dissolved Organic Carbon	11	3	4	3	16	9	9	<2	8	4	<2	mg/l	TM60/PM0
Dissolved Organic Carbon	110	30	40	30	160	90	90	<20	80	40	<20	mg/kg	TM60/PM0
pH	11.97	8.21	8.00	8.04	11.76	8.43	7.94	7.87	11.50	8.17	<0.01	pH units	TM73/PM0
Total Dissolved Solids #	488	59	<35	48	350	257	47	<35	323	97	<35	mg/l	TM20/PM0
Total Dissolved Solids #	4882	590	<350	480	3500	2569	470	<350	3230	970	<350	mg/kg	TM20/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton
EMT Job No: 22/16137

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44										LOD/LOR	Units	Method No.
Sample ID	WS215												
Depth	0.00-0.50												
COC No / misc													
Containers	V J T												
Sample Date	29/09/2022												
Sample Type	Soil												
Batch Number	1												
Date of Receipt	04/10/2022												
Dissolved Antimony #	0.011										<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	0.11										<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	0.0033										<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	0.033										<0.025	mg/kg	TM30/PM17
Dissolved Barium #	0.041										<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	0.41										<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005										<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005										<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	<0.0015										<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	<0.015										<0.015	mg/kg	TM30/PM17
Dissolved Copper #	<0.007										<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	<0.07										<0.07	mg/kg	TM30/PM17
Dissolved Lead #	<0.005										<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	<0.05										<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	0.003										<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	0.03										<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002										<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02										<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	<0.003										<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	<0.03										<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	<0.003										<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	<0.03										<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001										<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001										<0.0001	mg/kg	TM61/PM0
Phenol	<0.01										<0.01	mg/l	TM26/PM0
Phenol	<0.1										<0.1	mg/kg	TM26/PM0
Fluoride	<0.3										<0.3	mg/l	TM173/PM0
Fluoride	<3										<3	mg/kg	TM173/PM0
Sulphate as SO4 #	5.6										<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	56										<5	mg/kg	TM38/PM0
Chloride #	2.9										<0.3	mg/l	TM38/PM0
Chloride #	29										<3	mg/kg	TM38/PM0
Dissolved Organic Carbon	3										<2	mg/l	TM60/PM0
Dissolved Organic Carbon	30										<20	mg/kg	TM60/PM0
pH	8.12										<0.01	pH units	TM73/PM0
Total Dissolved Solids #	68										<35	mg/l	TM20/PM0
Total Dissolved Solids #	680										<350	mg/kg	TM20/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton
EMT Job No: 22/16137

Report : EN12457_2

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/9/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40						
Sample ID	WS203	WS206	WS207	WS208	WS209	WS210	WS211	WS212	WS213	WS214						
Depth	0.00-0.70	0.00-0.50	0.00-0.60	0.00-0.90	0.00-0.60	0.00-0.90	0.00-0.70	0.00-0.60	0.00-0.50	0.00-0.50						
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	1	1	1	1	1	1	1	1	1	1						
Date of Receipt	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	04/10/2022	Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Solid Waste Analysis																
Total Organic Carbon #	0.15	0.69	0.60	0.69	0.50	3.07	0.27	4.67	0.09	0.14	3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	<0.025	<0.025 SV	<0.025 SV	<0.025	<0.025 SV	<0.025 SV	0.069	<0.025 SV	<0.025	<0.025	6	-	-	<0.025	mg/kg	TM36/PM12
Sum of 7 PCBs #	<0.035	<0.350 BA	<0.350 BA	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	208	580	208	184	<30	191	163	<30	<30	<30	500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	<0.22	<0.22	<0.22	<0.22	0.27	3.17	<0.22	3.92	<0.22	0.27	-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	<0.64	<0.64	<0.64	<0.64	1.14	6.15	<0.64	7.78	<0.64	<0.64	100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																
Arsenic #	<0.025	<0.025	<0.025	<0.025	<0.025	0.057	<0.025	<0.025	<0.025	0.069	0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	1.28	0.05	0.12	0.15	0.42	1.05	0.51	0.28	0.38	0.47	20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	0.091	<0.015	<0.015	<0.015	0.062	<0.015	0.024	<0.015	0.116	<0.015	0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	<0.07	<0.07	<0.07	<0.07	0.19	<0.07	<0.07	<0.07	<0.07	<0.07	2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	0.05	0.04	0.03	<0.02	<0.02	0.72	<0.02	0.05	0.03	0.25	0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	<0.02	<0.02	<0.02	<0.02	<0.02	0.29	<0.02	0.02	0.03	0.46	0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	<0.03	<0.03	<0.03	<0.03	<0.03	0.18	0.13	<0.03	<0.03	<0.03	4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	4882	590	<350	480	3500	2569	470	<350	3230	970	4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	110	30	40	30	160	90	90	<20	80	40	500	800	1000	<20	mg/kg	TM60/PM0
Dry Matter Content Ratio	93.5	83.5	91.4	89.3	90.8	65.8	95.9	94.6	92.7	89.0	-	-	-	<0.1	%	NONE/PM4
Moisture Content 105C (% Dry Weight)	7.0	19.7	9.4	12.0	10.1	52.0	4.3	5.7	7.8	12.3	-	-	-	<0.1	%	PM4/PM0
pH #	12.50	8.67	8.52	8.87	12.00	7.65	8.44	8.63	11.55	8.98	-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	<3	<3	4	<3	<3	<3	<3	<3	<3	<3	10	150	500	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	91	38	39	24	201	542	19	15	498	41	1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	61	14	13	6	44	183	10	6	113	24	800	15000	25000	<3	mg/kg	TM38/PM0

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton
EMT Job No: 22/16137

Report : **EN12457_2**

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/9/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44															
Sample ID	WS215															
Depth	0.00-0.50															
COC No / misc																
Containers	V J T															
Sample Date	29/09/2022															
Sample Type	Soil															
Batch Number	1															
Date of Receipt	04/10/2022															
												Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Solid Waste Analysis																	
Total Organic Carbon #	0.33											3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	<0.025											6	-	-	<0.025	mg/kg	TM36/PM12
Sum of 7 PCBs #	<0.035											1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	<30											500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	3.46											-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	6.49											100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																	
Arsenic #	0.033											0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	0.41											20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005											0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	<0.015											0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	<0.07											2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001											0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	0.03											0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02											0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	<0.05											0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	0.11											0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	<0.03											0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	<0.03											4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	680											4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	30											500	800	1000	<20	mg/kg	TM60/PM0
Dry Matter Content Ratio	94.4											-	-	-	<0.1	%	NONE/PM4
Moisture Content 105C (% Dry Weight)	5.9											-	-	-	<0.1	%	PM4/PM0
pH #	8.42											-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1											1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	<3											10	150	500	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	56											1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	29											800	15000	25000	<3	mg/kg	TM38/PM0

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton

Matrix : Solid

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	EPH Interpretation
22/16137	1	WS203	0.00-0.70	1-4	Degraded Diesel, trace of Lubricating Oil, possible Naturally Occurring Compounds
22/16137	1	WS206	0.00-0.50	5-8	possible Degraded Kerosene, possible Lubricating Oil, possible Tarmac/Bitumen
22/16137	1	WS207	0.00-0.60	9-12	possible Lubricating Oil, possible Tarmac/Bitumen
22/16137	1	WS208	0.00-0.90	13-16	possible trace of Degraded Diesel, possible trace of Lubricating Oil, possible Tarmac/Bitumen
22/16137	1	WS209	0.00-0.60	17-20	No Interpretation Possible
22/16137	1	WS210	0.00-0.90	21-24	possible Lubricating Oil, possible Tarmac/Bitumen
22/16137	1	WS211	0.00-0.70	25-28	possible Mineral Insulating Oil, possible Tarmac/Bitumen
22/16137	1	WS212	0.00-0.60	29-32	trace of possible PAHs
22/16137	1	WS213	0.00-0.50	33-36	No Interpretation Possible
22/16137	1	WS214	0.00-0.50	37-40	No Interpretation Possible
22/16137	1	WS215	0.00-0.50	41-44	trace of possible PAHs

Please include all sections of this report if it is reproduced

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton

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Note:

Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Asbestos sub-samples are retained for not less than 6 months from the date of analysis unless specifically requested.

The LOQ of the Asbestos Quantification is 0.001% dry fibre of dry mass of sample.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

Where trace asbestos is reported the amount of asbestos will be <0.1%.

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
22/16137	1	WS203	0.00-0.70	3	Andrew Alker	06/10/2022	**General Description (Bulk Analysis)**	grey soil and stone
					Andrew Alker	06/10/2022	**Asbestos Fibres**	NAD
					Andrew Alker	06/10/2022	**Asbestos ACM**	NAD
					Andrew Alker	06/10/2022	**Asbestos Type**	NAD
22/16137	1	WS206	0.00-0.50	7	Andrew Alker	06/10/2022	**General Description (Bulk Analysis)**	brown soil and stone
					Andrew Alker	06/10/2022	**Asbestos Fibres**	NAD
					Andrew Alker	06/10/2022	**Asbestos ACM**	NAD
					Andrew Alker	06/10/2022	**Asbestos Type**	NAD
22/16137	1	WS207	0.00-0.60	11	Andrew Alker	06/10/2022	**General Description (Bulk Analysis)**	grey soil and stone
					Andrew Alker	06/10/2022	**Asbestos Fibres**	NAD
					Andrew Alker	06/10/2022	**Asbestos ACM**	NAD
					Andrew Alker	06/10/2022	**Asbestos Type**	NAD
22/16137	1	WS208	0.00-0.90	15	Catherine Coles	06/10/2022	**General Description (Bulk Analysis)**	black dusty soil, stone
					Catherine Coles	06/10/2022	**Asbestos Fibres**	NAD
					Catherine Coles	06/10/2022	**Asbestos ACM**	NAD
					Catherine Coles	06/10/2022	**Asbestos Type**	NAD
22/16137	1	WS209	0.00-0.60	19	Catherine Coles	06/10/2022	**General Description (Bulk Analysis)**	soil,stone
					Catherine Coles	06/10/2022	**Asbestos Fibres**	NAD
					Catherine Coles	06/10/2022	**Asbestos ACM**	NAD
					Catherine Coles	06/10/2022	**Asbestos Type**	NAD
22/16137	1	WS210	0.00-0.90	23	Catherine Coles	06/10/2022	**General Description (Bulk Analysis)**	soil,stones
					Catherine Coles	06/10/2022	**Asbestos Fibres**	NAD
					Catherine Coles	06/10/2022	**Asbestos ACM**	NAD
					Catherine Coles	06/10/2022	**Asbestos Type**	NAD
22/16137	1	WS211	0.00-0.70	27	Andrew Alker	06/10/2022	**General Description (Bulk Analysis)**	brown soil and stone
					Andrew Alker	06/10/2022	**Asbestos Fibres**	NAD
					Andrew Alker	06/10/2022	**Asbestos ACM**	NAD
					Andrew Alker	06/10/2022	**Asbestos Type**	NAD
22/16137	1	WS212	0.00-0.60	31	Andrew Alker	06/10/2022	**General Description (Bulk Analysis)**	brown soil and stone
					Andrew Alker	06/10/2022	**Asbestos Fibres**	NAD
					Andrew Alker	06/10/2022	**Asbestos ACM**	NAD
					Andrew Alker	06/10/2022	**Asbestos Type**	NAD

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton

RECEIVED: 19/09/2025

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
22/16137	1	WS213	0.00-0.50	35	Andrew Alker	06/10/2022	**General Description (Bulk Analysis)**	grey soil and stone
					Andrew Alker	06/10/2022	**Asbestos Fibres**	NAD
					Andrew Alker	06/10/2022	**Asbestos ACM**	NAD
					Andrew Alker	06/10/2022	**Asbestos Type**	NAD
22/16137	1	WS214	0.00-0.50	39	Catherine Coles	06/10/2022	**General Description (Bulk Analysis)**	soil,stone
					Catherine Coles	06/10/2022	**Asbestos Fibres**	NAD
					Catherine Coles	06/10/2022	**Asbestos ACM**	NAD
					Catherine Coles	06/10/2022	**Asbestos Type**	NAD
22/16137	1	WS215	0.00-0.50	43	Catherine Coles	06/10/2022	**General Description (Bulk Analysis)**	soil,stone
					Catherine Coles	06/10/2022	**Asbestos Fibres**	NAD
					Catherine Coles	06/10/2022	**Asbestos ACM**	NAD
					Catherine Coles	06/10/2022	**Asbestos Type**	NAD

RECEIVED: 19/09/2025

Client Name: Ground Investigations Ireland
Reference: 12058-07-22
Location: Galway Harbour Company
Contact: Barry Sexton

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
No deviating sample report results for job 22/16137						

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.
Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 22/16137

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 37°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

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NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.
Laboratory records are kept for a period of no less than 6 years.

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REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range
AA	x10 Dilution
BA	x10 Dilution

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HWOL ACRONYMS AND OPERATORS USED

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	EU_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.

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EMT Job No: 22/16137

RECEIVED: 30/09/2025

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
TM17	Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM20	Modified BS 1377-3:1990/USEPA 160.1/3 (TDS/TS: 1971) Gravimetric determination of Total Dissolved Solids/Total Solids	PM0	No preparation is required.	Yes		AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes

RECEIVED: 10/09/2025

EMT Job No: 22/16137

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.			AR	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes		AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.	Yes		AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013I	PM0	No preparation is required.	Yes		AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013I	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AR	Yes
TM60	TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060A (2002), APHA SMEWW 5310B:1999 22nd Edition, ASTM D 7573, and USEPA 415.1.	PM0	No preparation is required.			AR	Yes
TM61	Determination of Mercury by Cold Vapour Atomic Fluorescence - WATERS: Modified USEPA Method 245.7, Rev 2, Feb 2005. SOILS: Modified USEPA Method 7471B, Rev.2, Feb 2007	PM0	No preparation is required.	Yes		AR	Yes

EMT Job No: 22/16137

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Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM65	Asbestos Bulk Identification method based on HSG 248 Second edition (2021)	PM42	Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes		AR	No
TM160	Titrimetric determination of acid reserve to pH 4.0 or alkali reserve to pH 10.0 based on method C14.2 Canadian Government (2013).	PM110	Preparation of a 10% (w/w) aqueous solution of soil in distilled water			AR	No
TM173	Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 9214 - 340.2 (EPA 1998)	PM0	No preparation is required.			AR	Yes
NONE	No Method Code	NONE	No Method Code			AD	Yes
NONE	No Method Code	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.			AR	
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.			AR	

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

P: +44 (0) 1244 833780
F: +44 (0) 1244 833781
W: www.element.com

RECEIVED: 19/09/2025

Ground Investigations Ireland
Catherinestown House
Hazelhatch Road
Newcastle
Co. Dublin
Ireland
D22 K5P8

Attention :	Adam Browne
Date :	21st August, 2024
Your reference :	13885-06-24
Our reference :	Test Report 24/12401 Batch 1
Location :	Galway Port
Date samples received :	18th July, 2024
Status :	Final Report
Issue :	202408211250

Forty eight samples were received for analysis on 18th July, 2024 of which forty eight were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

The greenhouse gas emissions generated (in Carbon – Co2e) to obtain the results in this report are estimated as:

Scope 1&2 emissions - 226.902 kg of CO2

Scope 1&2&3 emissions - 536.227 kg of CO2

Authorised By:

Phil Sommerton BSc
Senior Project Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

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Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	LOD/LOR	Units	Method No.
Sample ID	TP1-01	TP1-01	TP1-01	TP1-02	TP1-02	TP1-02	TP1-03	TP1-03	TP1-03	TP1-04			
Depth	0.00-1.00	1.00-2.00	2.00-2.50	0.80-1.00	1.00-2.00	2.00-2.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Antimony	<1	<1	<1	<1	<1	<1	<1	115$_{AA}$	19	1	<1	mg/kg	TM30/PM15
Arsenic #	2.6	1.4	3.1	4.1	2.5	1.6	4.4	191.0	37.9	5.3	<0.5	mg/kg	TM30/PM15
Barium #	59	13	13	29	13	8	20	1155	1317	33	<1	mg/kg	TM30/PM15
Cadmium #	0.4	0.3	0.5	0.7	0.6	0.2	0.5	50.1$_{AA}$	9.9	1.2	<0.1	mg/kg	TM30/PM15
Chromium #	19.6	15.0	15.7	16.5	15.8	14.8	17.5	74.9	79.3	16.6	<0.5	mg/kg	TM30/PM15
Copper #	12	5	8	15	7	4	10	787$_{AA}$	157	17	<1	mg/kg	TM30/PM15
Lead #	24	8	11	42	8	<5	15	9593$_{AA}$	1609	105	<5	mg/kg	TM30/PM15
Mercury #	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	4.0	0.9	<0.1	<0.1	mg/kg	TM30/PM15
Molybdenum #	1.9	1.4	2.8	2.2	2.3	1.6	3.1	4.6	4.9	1.5	<0.1	mg/kg	TM30/PM15
Nickel #	7.2	4.4	7.3	10.8	8.5	3.9	13.6	26.0	12.9	9.6	<0.7	mg/kg	TM30/PM15
Selenium #	<1	<1	1	2	2	<1	3	1	<1	<1	<1	mg/kg	TM30/PM15
Zinc #	293	57	28	35	13	9	18	7757$_{AA}$	1484	125	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.17	0.08	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.18	0.06	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.73	0.25	0.07	<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.38	0.14	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene #	<0.03	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	1.72	0.62	0.13	<0.03	mg/kg	TM4/PM8
Pyrene #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	1.39	0.54	0.11	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	1.09	0.41	0.09	<0.06	mg/kg	TM4/PM8
Chrysene #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	1.13	0.41	0.08	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	2.01	0.69	0.13	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	1.21	0.39	0.08	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.69	0.25	0.06	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.20	0.06	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.65	0.25	0.06	<0.04	mg/kg	TM4/PM8
Coronene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.14	0.05	<0.04	<0.04	mg/kg	TM4/PM8
PAH 6 Total #	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	6.28	2.20	0.46	<0.22	mg/kg	TM4/PM8
PAH 17 Total	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	11.78	4.20	0.81	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.45	0.50	0.09	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.56	0.19	0.04	<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	98	99	95	101	101	97	100	99	97	96	<0	%	TM4/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	<30	<30	<30	<30	<30	<30	31	226	<30	<30	<30	mg/kg	TM5/PM8/PM16

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	LOD/LOR	Units	Method No.
Sample ID	TP1-01	TP1-01	TP1-01	TP1-02	TP1-02	TP1-02	TP1-03	TP1-03	TP1-03	TP1-04			
Depth	0.00-1.00	1.00-2.00	2.00-2.50	0.80-1.00	1.00-2.00	2.00-2.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL)#	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL)#	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL)#	<7	<7	<7	<7	<7	<7	<7	40	<7	<7	<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL)#	<7	<7	<7	<7	<7	<7	31	177	<7	<7	<7	mg/kg	TM5/PM8/PM16
>C35-C40 (EH_CU_1D_AL)	<7	<7	<7	<7	<7	<7	<7	9	<7	<7	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40 (EH_CU+HS_1D_AL)	<26	<26	<26	<26	<26	<26	31	226	<26	<26	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10 (HS_1D_AL)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C25 (EH_CU_1D_AL)	<10	<10	<10	<10	<10	<10	<10	87	<10	<10	<10	mg/kg	TM5/PM8/PM16
>C25-C35 (EH_CU_1D_AL)	<10	<10	<10	<10	<10	<10	31	129	<10	<10	<10	mg/kg	TM5/PM8/PM16
Aromatics													
>C5-EC7 (HS_1D_AR)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR)#	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR)#	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR)#	<7	<7	<7	<7	<7	<7	<7	16	<7	<7	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR)#	55	31	<7	<7	<7	<7	103	116	53	65	<7	mg/kg	TM5/PM8/PM16
>EC35-EC40 (EH_CU_1D_AR)	16	15	<7	<7	<7	<7	44	21	13	21	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40 (EH_CU+HS_1D_AR)	71	46	<26	<26	<26	<26	147	153	66	86	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40) (EH_CU+HS_1D_Total)	71	<52	<52	<52	<52	<52	178	379	66	86	<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 (HS_1D_AR)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC25 (EH_CU_1D_AR)	<10	<10	<10	<10	<10	<10	<10	40	<10	<10	<10	mg/kg	TM5/PM8/PM16
>EC25-EC35 (EH_CU_1D_AR)	55	31	<10	<10	<10	<10	103	91	53	65	<10	mg/kg	TM5/PM8/PM16
MTBE#	<5	<5	<5	<5	<5	<5 SV	<5	<5	<5	<5	<5	ug/kg	TM36/PM12
Benzene#	<5	<5	<5	<5	<5	<5 SV	<5	<5	<5	<5	<5	ug/kg	TM36/PM12
Toluene#	<5	12	8	6	11	8 SV	8	8	6	6	<5	ug/kg	TM36/PM12
Ethylbenzene#	<5	<5	<5	<5	<5	<5 SV	<5	<5	<5	<5	<5	ug/kg	TM36/PM12
m/p-Xylene#	22	<5	<5	<5	7	<5 SV	<5	<5	<5	<5	<5	ug/kg	TM36/PM12
o-Xylene#	13	<5	<5	<5	<5	<5 SV	<5	<5	<5	<5	<5	ug/kg	TM36/PM12
PCB 28#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 52#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 101#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 118#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 138#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 153#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 180#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
Total 7 PCBs#	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	ug/kg	TM17/PM8

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	LOD/LOR	Units	Method No.
Sample ID	TP1-01	TP1-01	TP1-01	TP1-02	TP1-02	TP1-02	TP1-03	TP1-03	TP1-03	TP1-04			
Depth	0.00-1.00	1.00-2.00	2.00-2.50	0.80-1.00	1.00-2.00	2.00-2.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Natural Moisture Content	7.1	2.6	4.8	5.6	2.7	1.2	5.5	30.3	8.0	3.8	<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	6.6	2.5	4.6	5.3	2.6	1.2	5.2	23.3	7.4	3.7	<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/kg	TM38/PM20
Chromium III	19.6	15.0	15.7	16.5	15.8	14.8	17.5	74.9	79.3	16.6	<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	0.27	0.13	0.16	0.20	0.14	0.92	0.25	1.29	0.85	0.51	<0.02	%	TM21/PM24
Alkali Reserve	-	-	-	-	-	-	-	-	-	-	<0.000	gNaOH/100g	TM160/PM110
pH #	9.13	8.99	9.13	8.29	8.40	8.40	8.33	8.02	8.04	10.12	<0.01	pH units	TM73/PM11
Asbestos Type*	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		None	Subcontracted

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44	45-48	49-52	53-56	57-60	61-64	65-68	69-72	73-76	77-80	LOD/LOR	Units	Method No.
Sample ID	TP1-04	TP1-04	TP1-05	TP1-05	TP1-05	TP1-05	TP1-06	TP1-06	TP1-06	TP1-07			
Depth	1.00-2.00	2.00-2.90	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.70	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Antimony	23	19	<1	3	<1	2	1	1	<1	<1	<1	mg/kg	TM30/PM15
Arsenic #	48.3	39.8	3.9	5.1	7.6	5.6	5.1	1.1	2.5	2.7	<0.5	mg/kg	TM30/PM15
Barium #	426	415	50	89	56	98	89	26	45	115	<1	mg/kg	TM30/PM15
Cadmium #	9.3	6.0	0.3	0.8	0.6	0.8	1.5	0.1	0.4	1.0	<0.1	mg/kg	TM30/PM15
Chromium #	91.9	82.0	12.3	84.5	54.1	83.6	39.8	75.0	59.8	29.8	<0.5	mg/kg	TM30/PM15
Copper #	198	191	15	34	21	35	31	11	16	13	<1	mg/kg	TM30/PM15
Lead #	2396	1696	28	106	94	168	149	11	52	32	<5	mg/kg	TM30/PM15
Mercury #	0.9	1.1	<0.1	0.3	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Molybdenum #	4.7	5.2	1.6	5.1	3.5	5.8	2.5	4.6	3.7	2.2	<0.1	mg/kg	TM30/PM15
Nickel #	32.0	21.5	8.2	13.5	10.2	10.3	8.2	6.4	6.6	9.8	<0.7	mg/kg	TM30/PM15
Selenium #	<1	<1	2	1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM30/PM15
Zinc #	1353	1002	31	150	117	164	182	42	81	2049	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	0.26	0.35	2.06	0.13	0.45	0.09	0.10	<0.04	0.09	0.51	<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.19	0.41	<0.03	0.14	0.18	0.07	0.10	<0.03	0.20	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	0.12	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene #	0.10	0.18	0.33	0.05	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene #	1.09	2.11	2.02	0.45	0.77	0.38	0.41	0.03	0.56	0.23	<0.03	mg/kg	TM4/PM8
Anthracene #	0.42	0.87	0.36	0.25	0.24	0.19	0.24	<0.04	0.34	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene #	2.26	5.33	0.63	1.12	1.41	0.83	1.26	0.14	2.25	0.37	<0.03	mg/kg	TM4/PM8
Pyrene #	1.94	4.68	0.61	0.98	1.23	0.67	1.13	0.12	1.98	0.32	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	1.23	3.74	0.44	0.73	0.88	0.47	0.81	0.11	1.12	0.12	<0.06	mg/kg	TM4/PM8
Chrysene #	1.27	3.76	0.40	0.75	0.92	0.47	0.83	0.10	1.18	0.18	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	2.30	8.15	0.46	1.38	1.61	0.69	1.52	0.14	1.72	0.26	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	1.39	5.29	0.20	0.81	0.89	0.39	0.92	0.07	0.97	0.14	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	0.87	3.93	0.13	0.56	0.57	0.19	0.57	0.04	0.54	0.10	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.22	1.01	<0.04	0.12	0.17	0.05	0.15	<0.04	0.14	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.88	3.57	0.27	0.61	0.60	0.20	0.56	0.04	0.57	0.14	<0.04	mg/kg	TM4/PM8
Coronene	0.15	0.77	0.07	0.16	0.11	<0.04	0.12	<0.04	0.12	<0.04	<0.04	mg/kg	TM4/PM8
PAH 6 Total #	7.70	26.27	1.69	4.48	5.08	2.30	4.83	0.43	6.05	1.01	<0.22	mg/kg	TM4/PM8
PAH 17 Total	14.57	44.27	8.10	8.24	10.03	4.69	8.77	0.79	11.78	2.37	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	1.66	5.87	0.33	0.99	1.16	0.50	1.09	0.10	1.24	0.19	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.64	2.28	0.13	0.39	0.45	0.19	0.43	0.04	0.48	0.07	<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	97	99	95	99	98	99	98	101	101	111	<0	%	TM4/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	196	83	400	102	56	<30	209	<30	<30	590	<30	mg/kg	TM5/PM8/PM16

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

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Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44	45-48	49-52	53-56	57-60	61-64	65-68	69-72	73-76	77-80	LOD/LOR	Units	Method No.
Sample ID	TP1-04	TP1-04	TP1-05	TP1-05	TP1-05	TP1-05	TP1-06	TP1-06	TP1-06	TP1-07			
Depth	1.00-2.00	2.00-2.90	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.70	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL)#	<0.1	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL)#	<0.1	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	0.2 SV	<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL)#	<0.2	<0.2	7.2	<0.2	<0.2	<0.2	6.5	<0.2	<0.2	8.3	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL)#	<4	<4	25	<4	<4	<4	17	<4	<4	31	<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL)#	16	11	51	17	11	<7	34	<7	<7	133	<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL)#	172	72	281	77	45	<7	140	<7	<7	368	<7	mg/kg	TM5/PM8/PM16
>C35-C40 (EH_CU_1D_AL)	8	<7	36	8	<7	<7	11	<7	<7	50	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40 (EH_CU+HS_1D_AL)	196	83	400	102	56	<26	209	<26	<26	591	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10 (HS_1D_AL)	<0.1	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	0.2 SV	<0.1	mg/kg	TM36/PM12
>C10-C25 (EH_CU_1D_AL)	54	32	139	39	18	<10	64	<10	<10	287	<10	mg/kg	TM5/PM8/PM16
>C25-C35 (EH_CU_1D_AL)	112	51	225	55	40	<10	105	<10	<10	250	<10	mg/kg	TM5/PM8/PM16
Aromatics													
>C5-EC7 (HS_1D_AR)#	<0.1	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR)#	<0.1	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR)#	<0.1	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	0.2 SV	<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR)#	<0.2	<0.2	9.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	15.3	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR)#	<4	<4	46	<4	7	<4	11	<4	<4	13	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR)#	43	55	143	28	38	<7	27	<7	36	90	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR)#	226	333	577	193	144	<7	131	<7	111	764	<7	mg/kg	TM5/PM8/PM16
>EC35-EC40 (EH_CU_1D_AR)	15	41	97	36	12	<7	12	<7	<7	207	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40 (EH_CU+HS_1D_AR)	284	429	872	257	201	<26	181	<26	147	1090	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40) (EH_CU+HS_1D_Total)	480	512	1272	359	257	<52	390	<52	147	1681	<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 (HS_1D_AR)#	<0.1	<0.1	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	0.2 SV	<0.1	mg/kg	TM36/PM12
>EC10-EC25 (EH_CU_1D_AR)	129	147	330	73	85	<10	65	<10	71	162	<10	mg/kg	TM5/PM8/PM16
>EC25-EC35 (EH_CU_1D_AR)	168	241	446	148	103	<10	104	<10	77	720	<10	mg/kg	TM5/PM8/PM16
MTBE#	<5	<5	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5 SV	<5	ug/kg	TM36/PM12
Benzene#	<5	<5	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5 SV	<5	ug/kg	TM36/PM12
Toluene#	11	7	<5 SV	<5 SV	<5 SV	7	12	<5	<5	<5 SV	<5	ug/kg	TM36/PM12
Ethylbenzene#	<5	<5	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	12 SV	<5	ug/kg	TM36/PM12
m/p-Xylene#	<5	6	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	75 SV	<5	ug/kg	TM36/PM12
o-Xylene#	<5	<5	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	69 SV	<5	ug/kg	TM36/PM12
PCB 28#	10	<5	<50 AB	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 52#	<5	<5	<50 AB	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 101#	<5	<5	<50 AB	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 118#	<5	<5	<50 AB	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 138#	<5	<5	<50 AB	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 153#	<5	<5	<50 AB	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 180#	<5	<5	<50 AB	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
Total 7 PCBs#	<35	<35	<350 AB	<35	<35	<35	<35	<35	<35	<350 AB	<35	ug/kg	TM17/PM8

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44	45-48	49-52	53-56	57-60	61-64	65-68	69-72	73-76	77-80	LOD/LOR	Units	Method No.
Sample ID	TP1-04	TP1-04	TP1-05	TP1-05	TP1-05	TP1-05	TP1-06	TP1-06	TP1-06	TP1-07			
Depth	1.00-2.00	2.00-2.90	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.70	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Natural Moisture Content	7.7	13.2	5.5	8.6	5.2	4.6	8.4	6.2	4.8	3.3	<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	7.1	11.6	5.2	7.9	5.0	4.4	7.7	5.8	4.5	3.2	<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/kg	TM38/PM20
Chromium III	91.9	82.0	12.3	84.5	54.1	83.6	39.8	75.0	59.8	29.8	<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	1.53	2.33	34.06	0.90	0.47	0.32	0.74	0.11	0.11	0.93	<0.02	%	TM21/PM24
Alkali Reserve	-	-	-	-	-	-	0.039	-	-	-	<0.000	gNaOH/100g	TM160/PM110
pH #	8.01	8.21	8.45	8.85	8.59	9.26	11.77	9.24	10.47	10.21	<0.01	pH units	TM73/PM11
Asbestos Type*	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		None	Subcontracted

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	81-84	85-88	89-92	93-96	97-100	101-104	105-108	109-112	113-116	117-120	LOD/LOR	Units	Method No.
Sample ID	TP1-07	TP1-07	TP1-08	TP1-08	TP1-08	TP1-08	TP1-09	TP1-09	TP1-09	TP1-10			
Depth	1.00-2.00	2.00-2.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Antimony	<1	<1	<1	<1	<1	<1	3	2	2	14	<1	mg/kg	TM30/PM15
Arsenic #	2.8	2.9	2.6	1.7	2.7	2.1	11.7	17.7	2.9	35.0	<0.5	mg/kg	TM30/PM15
Barium #	13	19	20	42	23	56	113	77	41	933	<1	mg/kg	TM30/PM15
Cadmium #	0.3	2.8	0.3	<0.1	<0.1	<0.1	2.7	0.7	0.3	13.4	<0.1	mg/kg	TM30/PM15
Chromium #	14.2	18.6	73.7	202.8	103.1	128.0	46.0	123.8	105.7	61.0	<0.5	mg/kg	TM30/PM15
Copper #	6	11	14	19	19	30	63	43	30	307 AA	<1	mg/kg	TM30/PM15
Lead #	5	29	19	24	35	33	440	173	57	2205	<5	mg/kg	TM30/PM15
Mercury #	<0.1	0.4	<0.1	<0.1	<0.1	<0.1	0.3	0.4	0.1	0.9	<0.1	mg/kg	TM30/PM15
Molybdenum #	2.5	2.7	3.2	5.8	6.6	3.5	2.7	3.3	3.9	3.1	<0.1	mg/kg	TM30/PM15
Nickel #	8.5	9.9	13.3	44.9	13.0	38.6	8.2	25.9	20.3	15.3	<0.7	mg/kg	TM30/PM15
Selenium #	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM30/PM15
Zinc #	156	55	41	87	50	72	465	203	107	1627	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	0.09	0.17	<0.04	0.48	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	0.24	<0.03	0.21	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	0.15	<0.04	mg/kg	TM4/PM8
Phenanthrene #	<0.03	0.04	0.07	0.10	0.10	0.04	0.21	0.94	0.13	1.21	<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.08	0.65	0.05	0.33	<0.04	mg/kg	TM4/PM8
Fluoranthene #	0.07	0.08	0.19	0.17	0.21	0.12	0.50	2.93	0.27	1.90	<0.03	mg/kg	TM4/PM8
Pyrene #	0.06	0.07	0.17	0.15	0.17	0.15	0.47	2.51	0.24	1.69	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	<0.06	<0.06	0.15	0.11	0.13	0.10	0.35	1.65	0.17	1.14	<0.06	mg/kg	TM4/PM8
Chrysene #	0.04	0.05	0.14	0.10	0.12	0.08	0.35	1.64	0.17	1.25	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	<0.07	0.07	0.24	0.15	0.16	0.13	0.64	2.83	0.27	2.41	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04	<0.04	0.14	0.08	<0.04	<0.04	0.38	1.67	0.16	1.36	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	<0.04	<0.04	0.08	0.05	0.05	0.04	0.26	0.97	0.11	1.02	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.07	0.25	<0.04	0.19	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	<0.04	0.08	0.05	0.06	0.05	0.27	1.00	0.12	1.02	<0.04	mg/kg	TM4/PM8
Coronene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.07	0.19	<0.04	0.23	<0.04	mg/kg	TM4/PM8
PAH 6 Total #	<0.22	<0.22	0.73	0.50	0.48	0.34	2.05	9.40	0.93	7.71	<0.22	mg/kg	TM4/PM8
PAH 17 Total	<0.64	<0.64	1.26	0.96	1.00	0.71	3.79	17.72	1.69	14.66	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	0.05	0.17	0.11	0.12	0.09	0.46	2.04	0.19	1.74	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	0.07	0.04	0.04	0.04	0.18	0.79	0.08	0.67	<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	100	95	111	94	101	100	99	104	101	104	<0	%	TM4/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	37	<30	<30	<30	<30	<30	86	70	<30	523	<30	mg/kg	TM5/PM8/PM16

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	81-84	85-88	89-92	93-96	97-100	101-104	105-108	109-112	113-116	117-120	LOD/LOR	Units	Method No.
Sample ID	TP1-07	TP1-07	TP1-08	TP1-08	TP1-08	TP1-08	TP1-09	TP1-09	TP1-09	TP1-10			
Depth	1.00-2.00	2.00-2.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL)#	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL)#	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL)#	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL)#	<4	<4	<4	<4	<4	<4	<4	5	<4	11	<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL)#	<7	<7	<7	<7	<7	<7	<7	15	<7	99	<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL)#	19	<7	<7	<7	<7	<7	86	50	<7	392	<7	mg/kg	TM5/PM8/PM16
>C35-C40 (EH_CU_1D_AL)	18	<7	<7	<7	<7	<7	<7	<7	<7	21	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40 (EH_CU+HS_1D_AL)	37	<26	<26	<26	<26	<26	86	70	<26	523	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10 (HS_1D_AL)	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>C10-C25 (EH_CU_1D_AL)	<10	<10	<10	<10	<10	<10	20	38	<10	258	<10	mg/kg	TM5/PM8/PM16
>C25-C35 (EH_CU_1D_AL)	19	<10	<10	<10	<10	<10	69	34	<10	255	<10	mg/kg	TM5/PM8/PM16
Aromatics													
>C5-EC7 (HS_1D_AR)#	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR)#	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR)#	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR)#	14.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.0	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR)#	10	<4	<4	<4	<4	<4	<4	13	<4	19	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR)#	<7	<7	<7	<7	<7	<7	23	79	<7	140	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR)#	150	55	<7	<7	<7	<7	178	297	<7	607	<7	mg/kg	TM5/PM8/PM16
>EC35-EC40 (EH_CU_1D_AR)	45	23	<7	<7	<7	<7	22	24	<7	50	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40 (EH_CU+HS_1D_AR)	220	78	<26	<26	<26	<26	223	413	<26	817	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40) (EH_CU+HS_1D_Total)	257	78	<52	<52	<52	<52	309	483	<52	1340	<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 (HS_1D_AR)#	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 SV	<0.1	mg/kg	TM36/PM12
>EC10-EC25 (EH_CU_1D_AR)	32	<10	<10	<10	<10	<10	61	193	<10	347	<10	mg/kg	TM5/PM8/PM16
>EC25-EC35 (EH_CU_1D_AR)	150	55	<10	<10	<10	<10	142	203	<10	434	<10	mg/kg	TM5/PM8/PM16
MTBE#	<5 SV	<5	<5	<5	<5	<5	<5	<5	<5	<5 SV	<5	ug/kg	TM36/PM12
Benzene#	<5 SV	<5	<5	<5	<5	<5	<5	<5	<5	<5 SV	<5	ug/kg	TM36/PM12
Toluene#	5 SV	<5	<5	<5	<5	<5	<5	8	<5	7 SV	<5	ug/kg	TM36/PM12
Ethylbenzene#	5 SV	<5	<5	<5	<5	<5	<5	<5	<5	<5 SV	<5	ug/kg	TM36/PM12
m/p-Xylene#	28 SV	<5	<5	<5	<5	<5	<5	5	<5	<5 SV	<5	ug/kg	TM36/PM12
o-Xylene#	28 SV	<5	<5	<5	<5	<5	<5	<5	<5	<5 SV	<5	ug/kg	TM36/PM12
PCB 28#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 52#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 101#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 118#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 138#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 153#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
PCB 180#	<5	<5	<5	<5	<5	<5	<5	<5	<5	<50 AB	<5	ug/kg	TM17/PM8
Total 7 PCBs#	<35	<35	<35	<35	<35	<35	<35	<35	<35	<350 AB	<35	ug/kg	TM17/PM8

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	81-84	85-88	89-92	93-96	97-100	101-104	105-108	109-112	113-116	117-120	LOD/LOR	Units	Method No.
Sample ID	TP1-07	TP1-07	TP1-08	TP1-08	TP1-08	TP1-08	TP1-09	TP1-09	TP1-09	TP1-10			
Depth	1.00-2.00	2.00-2.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Natural Moisture Content	2.3	3.9	4.4	2.7	1.2	5.8	9.7	5.9	5.1	21.8	<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	2.2	3.8	4.2	2.6	1.2	5.4	8.9	5.6	4.8	17.9	<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/kg	TM38/PM20
Chromium III	14.2	18.6	73.7	202.8	103.1	128.0	46.0	123.8	105.7	61.0	<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	0.14	0.25	0.26	0.12	1.05	0.33	0.84	0.78	0.26	9.58	<0.02	%	TM21/PM24
Alkali Reserve	-	-	-	-	-	-	-	-	-	-	<0.000	gNaOH/100g	TM160/PM110
pH #	10.25	8.69	8.58	8.92	8.60	9.07	8.15	9.15	8.73	7.38	<0.01	pH units	TM73/PM11
Asbestos Type*	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		None	Subcontracted

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	121-124	125-128	129-132	133-136	137-140	141-144	145-148	149-152	153-156	157-160	LOD/LOR	Units	Method No.
Sample ID	TP1-10	TP1-10	TP1-10	TP1-11	TP1-11	TP1-12	TP1-12	TP1-12	TP1-12	TP1-13			
Depth	1.00-2.00	2.00-3.00	3.00-4.00	0.00-1.00	1.00-1.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Antimony	2	6	2	<1	<1	<1	3	2	2	1	<1	mg/kg	TM30/PM15
Arsenic #	11.4	28.9	9.2	2.7	4.0	5.4	6.6	8.9	10.1	4.8	<0.5	mg/kg	TM30/PM15
Barium #	253	85	111	14	50	137	193	275	311	52	<1	mg/kg	TM30/PM15
Cadmium #	0.9	1.1	0.5	0.4	0.2	0.3	0.5	0.5	0.6	0.4	<0.1	mg/kg	TM30/PM15
Chromium #	43.4	41.5	63.3	15.2	97.4	101.4	127.8	89.8	76.9	107.4	<0.5	mg/kg	TM30/PM15
Copper #	84	81	100	7	36	50	89	98	117	28	<1	mg/kg	TM30/PM15
Lead #	429	253	192	6	53	128	217	293	308	60	<5	mg/kg	TM30/PM15
Mercury #	0.3	0.4	0.1	<0.1	<0.1	0.4	1.1	1.2	1.7	0.1	<0.1	mg/kg	TM30/PM15
Molybdenum #	2.8	3.0	4.4	2.0	4.0	4.5	3.7	5.2	5.0	2.8	<0.1	mg/kg	TM30/PM15
Nickel #	10.9	13.6	43.7	9.6	23.0	22.0	33.3	18.5	19.8	32.0	<0.7	mg/kg	TM30/PM15
Selenium #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM30/PM15
Zinc #	259	218	157	11	96	136	183	223	243	68	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	0.37	0.54	0.58	<0.04	0.05	0.24	0.26	0.32	0.39	0.07	<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.35	0.51	2.15	<0.03	0.04	0.45	0.51	0.97	0.76	0.06	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	0.29	0.26	<0.05	<0.05	<0.05	0.07	0.10	0.09	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene #	0.12	0.33	1.10	<0.04	<0.04	0.10	0.16	0.42	0.29	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene #	1.58	3.34	11.18	<0.03	0.19	1.45	1.67	3.97	2.51	0.18	<0.03	mg/kg	TM4/PM8
Anthracene #	0.44	1.78	3.74	<0.04	0.06	0.94	1.18	3.51	1.93	0.09	<0.04	mg/kg	TM4/PM8
Fluoranthene #	3.31	7.97	20.26	<0.03	0.44	5.45	5.90	14.10	8.63	0.52	<0.03	mg/kg	TM4/PM8
Pyrene #	2.82	6.75	16.47	0.04	0.40	4.43	4.90	11.32	6.99	0.51	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	1.80	4.70	9.78	<0.06	0.29	3.21	3.78	7.81	5.17	0.38	<0.06	mg/kg	TM4/PM8
Chrysene #	2.01	4.43	8.54	<0.02	0.29	3.18	3.77	7.48	4.96	0.41	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	3.81	7.84	15.62	<0.07	0.52	5.21	6.28	11.21	8.32	0.76	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	2.22	4.94	9.81	<0.04	0.30	2.96	3.66	6.51	4.97	0.46	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	1.49	2.93	6.70	<0.04	0.20	1.85	2.23	3.61	2.97	0.31	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.43	0.81	1.59	<0.04	0.05	0.45	0.62	1.17	0.76	0.08	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	1.55	3.19	6.82	0.06	0.19	1.79	1.98	3.32	2.63	0.32	<0.04	mg/kg	TM4/PM8
Coronene	0.35	0.73	1.31	<0.04	0.04	0.35	0.48	0.82	0.65	0.09	<0.04	mg/kg	TM4/PM8
PAH 6 Total #	12.38	26.87	59.21	<0.22	1.65	17.26	20.05	38.75	27.52	2.37	<0.22	mg/kg	TM4/PM8
PAH 17 Total	22.65	51.08	115.91	<0.64	3.06	32.06	37.45	76.64	52.02	4.24	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	2.74	5.64	11.25	<0.05	0.37	3.75	4.52	8.07	5.99	0.55	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	1.07	2.20	4.37	<0.02	0.15	1.46	1.76	3.14	2.33	0.21	<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1	<1	5	<1	<1	2	2	4	3	<1	<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	96	96	100	98	98	93	96	99	96	96	<0	%	TM4/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	135	137	136	246	40	98	75	217	287	<30	<30	mg/kg	TM5/PM8/PM16

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	121-124	125-128	129-132	133-136	137-140	141-144	145-148	149-152	153-156	157-160	LOD/LOR	Units	Method No.
Sample ID	TP1-10	TP1-10	TP1-10	TP1-11	TP1-11	TP1-12	TP1-12	TP1-12	TP1-12	TP1-13			
Depth	1.00-2.00	2.00-3.00	3.00-4.00	0.00-1.00	1.00-1.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL)#	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL)#	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL)#	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	2.6	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL)#	8	<4	7	<4	<4	<4	6	7	14	<4	<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL)#	25	21	23	<7	<7	15	13	38	53	<7	<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL)#	102	116	106	192	28	83	56	164	204	28	<7	mg/kg	TM5/PM8/PM16
>C35-C40 (EH_CU_1D_AL)	<7	<7	<7	54	12	<7	<7	8	13	<7	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40 (EH_CU+HS_1D_AL)	135	137	136	246	40	98	75	217	287	28	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10 (HS_1D_AL)	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C25 (EH_CU_1D_AL)	63	51	65	16	<10	36	32	61	162	<10	<10	mg/kg	TM5/PM8/PM16
>C25-C35 (EH_CU_1D_AL)	73	87	74	177	28	64	69	107	159	28	<10	mg/kg	TM5/PM8/PM16
Aromatics													
>C5-EC7 (HS_1D_AR)#	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR)#	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR)#	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR)#	0.7	<0.2	0.8	<0.2	<0.2	<0.2	<0.2	0.2	0.4	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR)#	18	11	16	<4	<4	8	9	14	19	<4	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR)#	116	59	140	17	<7	77	97	183	154	<7	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR)#	397	308	543	444	116	279	348	633	511	111	<7	mg/kg	TM5/PM8/PM16
>EC35-EC40 (EH_CU_1D_AR)	41	32	40	144	20	22	29	47	43	17	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40 (EH_CU+HS_1D_AR)	573	410	740	605	136	386	483	877	727	128	<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40) (EH_CU+HS_1D_Total)	708	547	876	851	176	484	558	1094	1014	156	<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 (HS_1D_AR)#	<0.1 SV	<0.1 SV	<0.1 SV	<0.1 SV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC25 (EH_CU_1D_AR)	254	153	327	42	26	146	191	343	281	37	<10	mg/kg	TM5/PM8/PM16
>EC25-EC35 (EH_CU_1D_AR)	285	232	385	417	95	178	229	397	316	99	<10	mg/kg	TM5/PM8/PM16
MTBE#	<5 SV	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM36/PM12
Benzene#	<5 SV	11 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM36/PM12
Toluene#	17 SV	15 SV	11 SV	6 SV	<5	<5	8	<5	8	7	<5	ug/kg	TM36/PM12
Ethylbenzene#	<5 SV	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM36/PM12
m/p-Xylene#	<5 SV	<5 SV	<5 SV	<5 SV	<5	<5	7	<5	<5	<5	<5	ug/kg	TM36/PM12
o-Xylene#	<5 SV	<5 SV	<5 SV	<5 SV	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM36/PM12
PCB 28#	<50 AB	<5	<50 AB	<50 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 52#	<50 AB	<5	<50 AB	<50 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 101#	<50 AB	<5	<50 AB	<50 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 118#	<50 AB	<5	<50 AB	<50 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 138#	<50 AB	<5	<50 AB	<50 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 153#	<50 AB	<5	<50 AB	<50 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
PCB 180#	<50 AB	<5	<50 AB	<50 AB	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM17/PM8
Total 7 PCBs#	<350 AB	<35	<350 AB	<350 AB	<35	<35	<35	<35	<35	<35	<35	ug/kg	TM17/PM8

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	121-124	125-128	129-132	133-136	137-140	141-144	145-148	149-152	153-156	157-160	LOD/LOR	Units	Method No.
Sample ID	TP1-10	TP1-10	TP1-10	TP1-11	TP1-11	TP1-12	TP1-12	TP1-12	TP1-12	TP1-13			
Depth	1.00-2.00	2.00-3.00	3.00-4.00	0.00-1.00	1.00-1.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Natural Moisture Content	18.2	14.4	16.8	4.8	7.3	10.4	15.0	20.3	25.3	11.4	<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	15.4	12.6	14.4	4.6	6.8	9.4	13.1	16.9	20.2	10.2	<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/kg	TM38/PM20
Chromium III	43.4	41.5	63.3	15.2	97.4	101.4	127.8	89.8	76.9	107.4	<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	0.60	6.81	3.43	0.43	0.53	1.59	2.18	2.53	2.57	0.64	<0.02	%	TM21/PM24
Alkali Reserve	-	-	-	-	-	-	-	-	-	-	<0.000	gNaOH/100g	TM160/PM110
pH #	7.54	8.15	8.21	8.90	9.06	8.59	8.29	8.34	8.20	8.97	<0.01	pH units	TM73/PM11
Asbestos Type*	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		None	Subcontracted

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	161-164	165-168	173-176	177-180	181-184	185-188	189-192	193-196			LOD/LOR	Units	Method No.
Sample ID	TP1-13	TP1-13	TP1-14	TP1-14	TP1-14	TP1-15	TP1-15	TP1-15					
Depth	1.00-2.00	2.00-2.80	1.00-2.00	2.00-3.00	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.60					
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024					
Antimony	<1	2	1	<1	<1	2	<1	<1			<1	mg/kg	TM30/PM15
Arsenic #	5.0	4.6	2.6	2.7	6.8	5.0	3.2	2.9			<0.5	mg/kg	TM30/PM15
Barium #	49	40	55	72	53	67	25	29			<1	mg/kg	TM30/PM15
Cadmium #	0.5	0.3	0.1	0.1	0.8	1.2	0.2	0.2			<0.1	mg/kg	TM30/PM15
Chromium #	94.8	143.8	70.9	78.9	86.1	39.9	54.2	86.2			<0.5	mg/kg	TM30/PM15
Copper #	27	31	33	50	34	28	18	23			<1	mg/kg	TM30/PM15
Lead #	111	49	42	53	94	161	66	52			<5	mg/kg	TM30/PM15
Mercury #	0.2	0.3	0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM30/PM15
Molybdenum #	3.6	2.5	4.4	4.4	3.5	2.7	3.5	3.8			<0.1	mg/kg	TM30/PM15
Nickel #	25.1	52.5	12.3	14.4	14.4	9.7	8.7	13.9			<0.7	mg/kg	TM30/PM15
Selenium #	<1	<1	1	<1	<1	<1	1	<1			<1	mg/kg	TM30/PM15
Zinc #	75	62	80	100	129	149	47	54			<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	0.08	<0.04	0.12	0.08	0.15	0.08	0.07	<0.04			<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.09	<0.03	0.12	0.09	0.17	0.12	0.05	0.06			<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	mg/kg	TM4/PM8
Fluorene #	0.06	<0.04	<0.04	<0.04	0.14	<0.04	0.05	<0.04			<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.66	<0.03	0.36	0.23	0.69	0.45	0.29	0.23			<0.03	mg/kg	TM4/PM8
Anthracene #	0.20	<0.04	0.21	0.16	0.47	0.18	0.42	0.23			<0.04	mg/kg	TM4/PM8
Fluoranthene #	1.22	<0.03	1.23	0.99	2.17	1.15	0.56	1.40			<0.03	mg/kg	TM4/PM8
Pyrene #	1.09	0.03	1.04	0.76	1.92	1.08	0.45	1.33			<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.67	<0.06	0.78	0.65	1.12	0.69	0.38	0.59			<0.06	mg/kg	TM4/PM8
Chrysene #	0.74	<0.02	0.77	0.63	1.12	0.70	0.40	0.61			<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	1.21	<0.07	1.31	0.98	1.89	1.28	0.54	1.03			<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.64	<0.04	0.75	0.58	1.17	0.76	0.31	0.62			<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	0.40	<0.04	0.45	0.33	0.71	0.52	0.18	0.36			<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.08	<0.04	0.13	0.11	0.21	0.13	0.06	0.08			<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.43	<0.04	0.44	0.33	0.68	0.51	0.16	0.37			<0.04	mg/kg	TM4/PM8
Coronene	0.06	<0.04	0.10	0.06	0.19	0.11	0.05	0.08			<0.04	mg/kg	TM4/PM8
PAH 6 Total #	3.90	<0.22	4.18	3.21	6.62	4.22	1.75	3.78			<0.22	mg/kg	TM4/PM8
PAH 17 Total	7.63	<0.64	7.81	5.98	12.80	7.76	3.97	6.99			<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.87	<0.05	0.94	0.71	1.36	0.92	0.39	0.74			<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.34	<0.02	0.37	0.27	0.53	0.36	0.15	0.29			<0.02	mg/kg	TM4/PM8
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1			<1	mg/kg	TM4/PM8
PAH Surrogate % Recovery	104	97	100	95	95	98	104	97			<0	%	TM4/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	<30	<30	<30	<30	<30	<30	<30	<30			<30	mg/kg	TM5/PM8/PM16

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Contact: Adam Browne
EMT Job No: 24/12401

Report : Solid

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RECEIVED: 19/09/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	161-164	165-168	173-176	177-180	181-184	185-188	189-192	193-196			LOD/LOR	Units	Method No.
Sample ID	TP1-13	TP1-13	TP1-14	TP1-14	TP1-14	TP1-15	TP1-15	TP1-15					
Depth	1.00-2.00	2.00-2.80	1.00-2.00	2.00-3.00	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.60					
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024					
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL)#	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL)#	<4	<4	<4	<4	<4	<4	<4	<4			<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL)#	<7	<7	<7	<7	<7	<7	<7	<7			<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL)#	11	<7	<7	<7	<7	<7	<7	<7			<7	mg/kg	TM5/PM8/PM16
>C35-C40 (EH_CU_1D_AL)	<7	<7	<7	<7	<7	<7	<7	<7			<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40 (EH_CU+HS_1D_AL)	<26	<26	<26	<26	<26	<26	<26	<26			<26	mg/kg	TM5/TM36/PM8/PM12/PM16
>C6-C10 (HS_1D_AL)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>C10-C25 (EH_CU_1D_AL)	<10	<10	<10	<10	<10	<10	<10	<10			<10	mg/kg	TM5/PM8/PM16
>C25-C35 (EH_CU_1D_AL)	12	<10	<10	<10	<10	<10	<10	<10			<10	mg/kg	TM5/PM8/PM16
Aromatics													
>C5-EC7 (HS_1D_AR)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR)#	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR)#	<4	<4	<4	<4	<4	<4	<4	<4			<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR)#	<7	<7	10	20	25	8	<7	<7			<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR)#	67	<7	75	103	125	89	<7	<7			<7	mg/kg	TM5/PM8/PM16
>EC35-EC40 (EH_CU_1D_AR)	10	<7	<7	9	11	11	<7	<7			<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40 (EH_CU+HS_1D_AR)	77	<26	85	132	161	108	<26	<26			<26	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-40) (EH_CU+HS_1D_Total)	77	<52	85	132	161	108	<52	<52			<52	mg/kg	TM5/TM36/PM8/PM12/PM16
>EC6-EC10 (HS_1D_AR)#	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>EC10-EC25 (EH_CU_1D_AR)	43	<10	37	29	47	32	<10	<10			<10	mg/kg	TM5/PM8/PM16
>EC25-EC35 (EH_CU_1D_AR)	87	<10	59	57	79	69	<10	<10			<10	mg/kg	TM5/PM8/PM16
MTBE#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM36/PM12
Benzene#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM36/PM12
Toluene#	<5	<5	7	<5	<5	7	<5	<5			<5	ug/kg	TM36/PM12
Ethylbenzene#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM36/PM12
m/p-Xylene#	<5	<5	5	<5	<5	<5	<5	<5			<5	ug/kg	TM36/PM12
o-Xylene#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM36/PM12
PCB 28#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 52#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 101#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 118#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 138#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 153#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 180#	<5	<5	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
Total 7 PCBs#	<35	<35	<35	<35	<35	<35	<35	<35			<35	ug/kg	TM17/PM8

Element Materials Technology

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Sample ID	TP1-13	TP1-13	TP1-14	TP1-14	TP1-14	TP1-15	TP1-15	TP1-15					
Depth	1.00-2.00	2.00-2.80	1.00-2.00	2.00-3.00	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.60					
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024					
Natural Moisture Content	12.1	10.5	3.2	5.2	8.9	5.8	6.2	11.5			<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	10.8	9.5	3.1	4.9	8.2	5.4	5.9	10.3			<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			<0.3	mg/kg	TM38/PM20
Chromium III	94.8	143.8	70.9	78.9	86.1	39.9	54.2	86.2			<0.5	mg/kg	NONE/NONE
Total Organic Carbon #	0.81	0.50	0.44	0.63	0.80	0.51	0.28	0.37			<0.02	%	TM21/PM24
Alkali Reserve	-	-	-	-	-	-	-	-			<0.000	gNaOH/100g	TM160/PM110
pH #	8.98	8.93	8.44	8.47	8.53	8.42	8.62	8.52			<0.01	pH units	TM73/PM11
Asbestos Type*	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD				None	Subcontracted

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

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Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : CEN 10:1 1 Batch

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EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	LOD/LOR	Units	Method No.
Sample ID	TP1-01	TP1-01	TP1-01	TP1-02	TP1-02	TP1-02	TP1-03	TP1-03	TP1-03	TP1-04			
Depth	0.00-1.00	1.00-2.00	2.00-2.50	0.80-1.00	1.00-2.00	2.00-2.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Dissolved Antimony #	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	0.012	0.022	0.004	<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	0.12	0.22	0.04	<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0031	<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.031	<0.025	mg/kg	TM30/PM17
Dissolved Barium #	<0.003	<0.003	<0.003	0.018	0.006	0.005	0.010	0.152	0.128	0.019	<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	<0.03	<0.03	<0.03	0.18	0.06	0.05	0.10	1.52	1.28	0.19	<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	0.0018	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	0.018	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	mg/kg	TM30/PM17
Dissolved Copper #	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM30/PM17
Dissolved Lead #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.069	0.038	<0.005	<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.69	0.38	<0.05	<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	<0.002	0.005	0.004	0.008	0.012	0.008	0.007	0.007	0.004	0.004	<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	<0.02	0.05	0.04	0.08	0.12	0.08	0.07	0.07	0.04	0.04	<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	<0.003	<0.003	<0.003	<0.003	0.009	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	<0.03	<0.03	<0.03	<0.03	0.09	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.021	0.007	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.21	0.07	<0.03	<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/kg	TM61/PM0
Phenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	mg/l	TM26/PM0
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	mg/kg	TM26/PM0
Fluoride	<0.3	0.4	<0.3	0.3	0.3	<0.3	0.5	0.6	<0.3	0.4	<0.3	mg/l	TM173/PM0
Fluoride	<3	4	<3	3	<3	<3	5	6	<3	4	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	12.6	4.8	3.2	375.9	189.1	163.7	344.0	38.0	45.6	28.3	<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	126	48	32	3759	1891	1637	3441	380	456	283	<5	mg/kg	TM38/PM0
Mass of raw test portion	0.0906	0.0965	0.0908	0.0922	0.0911	0.0913	0.0922	0.1022	0.0948	0.0921		kg	NONE/PM17
Chloride #	1.4	0.9	1.0	0.6	1.9	6.0	0.4	2.1	2.1	2.3	<0.3	mg/l	TM38/PM0
Chloride #	14	9	10	6	19	60	4	21	21	23	<3	mg/kg	TM38/PM0
Mass of dried test portion	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		kg	NONE/PM17
Dissolved Organic Carbon	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	mg/l	TM60/PM0
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	mg/kg	TM60/PM0
pH	9.55	9.02	8.46	7.61	8.79	7.86	7.57	7.80	8.00	7.76	<0.01	pH units	TM73/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	LOD/LOR	Units	Method No.
Sample ID	TP1-01	TP1-01	TP1-01	TP1-02	TP1-02	TP1-02	TP1-03	TP1-03	TP1-03	TP1-04			
Depth	0.00-1.00	1.00-2.00	2.00-2.50	0.80-1.00	1.00-2.00	2.00-2.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Total Dissolved Solids #	67	57	47	611	338	321	555	95	109	77	<35	mg/l	TM20/PM0
Total Dissolved Solids #	670	570	470	6110	3380	3209	5551	950	1090	770	<350	mg/kg	TM20/PM0

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44	45-48	49-52	53-56	57-60	61-64	65-68	69-72	73-76	77-80	LOD/LOR	Units	Method No.
Sample ID	TP1-04	TP1-04	TP1-05	TP1-05	TP1-05	TP1-05	TP1-06	TP1-06	TP1-06	TP1-07			
Depth	1.00-2.00	2.00-2.90	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.70	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Dissolved Antimony #	0.015	0.013	<0.002	0.005	0.005	0.003	0.014	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	0.15	0.13	<0.02	0.05	0.05	0.03	0.14	<0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0035	<0.0025	0.0036	<0.0025	<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.035	<0.025	0.036	<0.025	<0.025	mg/kg	TM30/PM17
Dissolved Barium #	0.053	0.042	0.015	0.027	0.055	0.012	0.015	0.009	0.010	0.016	<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	0.53	0.42	0.15	0.27	0.55	0.12	0.15	0.09	0.10	0.16	<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	0.0054	<0.0015	<0.0015	0.0029	<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.054	<0.015	<0.015	0.029	<0.015	mg/kg	TM30/PM17
Dissolved Copper #	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	0.073	<0.007	<0.007	<0.007	<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.73	<0.07	<0.07	<0.07	<0.07	mg/kg	TM30/PM17
Dissolved Lead #	0.028	0.342	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	0.28	3.42	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	0.010	0.003	<0.002	0.004	0.011	<0.002	0.022	0.002	0.005	0.003	<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	0.10	0.03	<0.02	0.04	0.11	<0.02	0.22	<0.02	0.05	0.03	<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.007	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.07	<0.03	<0.03	<0.03	<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	0.015	0.023	<0.003	0.004	<0.003	<0.003	<0.003	<0.003	<0.003	0.004	<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	0.15	0.23	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/kg	TM61/PM0
Phenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/l	TM26/PM0
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM26/PM0
Fluoride	<0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/l	TM173/PM0
Fluoride	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	217.2	280.4	24.9	9.5	12.2	5.2	60.6	7.9	29.5	26.1	<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	2172	2804	249	95	122	52	606	79	295	261	<5	mg/kg	TM38/PM0
Mass of raw test portion	0.0966	0.0985	0.0911	0.0994	0.098	0.0912	0.0972	0.0904	0.0924	0.0906		kg	NONE/PM17
Chloride #	2.0	5.1	0.9	0.8	1.0	6.8	14.7	0.6	1.7	1.4	<0.3	mg/l	TM38/PM0
Chloride #	20	51	9	8	10	68	147	6	17	14	<3	mg/kg	TM38/PM0
Mass of dried test portion	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		kg	NONE/PM17
Dissolved Organic Carbon	<2	<2	<2	<2	<2	<2	8	<2	<2	2	<2	mg/l	TM60/PM0
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	80	<20	<20	<20	<20	mg/kg	TM60/PM0
pH	7.93	7.94	7.76	7.77	7.90	9.02	11.20	9.66	9.95	9.86	<0.01	pH units	TM73/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44	45-48	49-52	53-56	57-60	61-64	65-68	69-72	73-76	77-80	LOD/LOR	Units	Method No.
Sample ID	TP1-04	TP1-04	TP1-05	TP1-05	TP1-05	TP1-05	TP1-06	TP1-06	TP1-06	TP1-07			
Depth	1.00-2.00	2.00-2.90	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.70	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Total Dissolved Solids #	418	516	67	55	57	62	261	48	95	111	<35	mg/l	TM20/PM0
Total Dissolved Solids #	4180	5159	670	550	570	620	2609	480	950	1110	<350	mg/kg	TM20/PM0

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	81-84	85-88	89-92	93-96	97-100	101-104	105-108	109-112	113-116	117-120	LOD/LOR	Units	Method No.
Sample ID	TP1-07	TP1-07	TP1-08	TP1-08	TP1-08	TP1-08	TP1-09	TP1-09	TP1-09	TP1-10			
Depth	1.00-2.00	2.00-2.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Dissolved Antimony #	<0.002	<0.002	0.003	<0.002	<0.002	<0.002	0.008	0.002	0.002	0.074	<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	0.08	<0.02	<0.02	0.74	<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0065	0.0045	0.0028	0.0038	<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.065	0.045	0.028	0.038	<0.025	mg/kg	TM30/PM17
Dissolved Barium #	0.015	0.004	0.004	0.009	0.016	0.014	0.016	0.012	0.010	0.042	<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	0.15	0.04	0.04	0.09	0.16	0.14	0.16	0.12	0.10	0.42	<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	0.0024	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	0.024	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	mg/kg	TM30/PM17
Dissolved Copper #	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	0.009	0.015	<0.007	<0.007	<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.09	0.15	<0.07	<0.07	<0.07	mg/kg	TM30/PM17
Dissolved Lead #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.024	<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.24	<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	0.008	0.010	0.004	0.017	0.009	0.003	0.008	0.006	<0.002	0.017	<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	0.08	0.10	0.04	0.17	0.09	0.03	0.08	0.06	<0.02	0.17	<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.085	<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.85	<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/kg	TM61/PM0
Phenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/l	TM26/PM0
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM26/PM0
Fluoride	<0.3	0.4	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.5	<0.3	mg/l	TM173/PM0
Fluoride	<3	4	3	<3	<3	<3	<3	<3	<3	5	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	162.5	29.1	15.7	10.1	4.1	2.1	98.1	91.8	14.8	84.3	<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	1625	291	157	101	41	21	981	918	148	843	<5	mg/kg	TM38/PM0
Mass of raw test portion	0.0908	0.091	0.0923	0.0911	0.0915	0.0907	0.0973	0.0972	0.0916	0.1048		kg	NONE/PM17
Chloride #	1.1	2.2	<0.3	<0.3	<0.3	<0.3	1.1	1.5	2.7	1.0	<0.3	mg/l	TM38/PM0
Chloride #	11	22	<3	<3	<3	<3	11	15	27	10	<3	mg/kg	TM38/PM0
Mass of dried test portion	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		kg	NONE/PM17
Dissolved Organic Carbon	<2	<2	<2	<2	<2	<2	<2	<2	<2	3	<2	mg/l	TM60/PM0
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	<20	<20	<20	30	<20	mg/kg	TM60/PM0
pH	9.52	8.18	7.31	8.01	8.20	8.35	8.06	10.23	8.44	8.22	<0.01	pH units	TM73/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	81-84	85-88	89-92	93-96	97-100	101-104	105-108	109-112	113-116	117-120	LOD/LOR	Units	Method No.
Sample ID	TP1-07	TP1-07	TP1-08	TP1-08	TP1-08	TP1-08	TP1-09	TP1-09	TP1-09	TP1-10			
Depth	1.00-2.00	2.00-2.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Total Dissolved Solids #	317	81	65	45	40	<35	238	221	60	231	<35	mg/l	TM20/PM0
Total Dissolved Solids #	3171	810	650	450	400	<350	2381	2209	600	2310	<350	mg/kg	TM20/PM0

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	121-124	125-128	129-132	133-136	137-140	141-144	145-148	149-152	153-156	157-160	LOD/LOR	Units	Method No.
Sample ID	TP1-10	TP1-10	TP1-10	TP1-11	TP1-11	TP1-12	TP1-12	TP1-12	TP1-12	TP1-13			
Depth	1.00-2.00	2.00-3.00	3.00-4.00	0.00-1.00	1.00-1.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Dissolved Antimony #	0.007	0.003	0.008	<0.002	0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	0.07	0.03	0.08	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	0.0117	<0.0025	0.0080	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	0.117	<0.025	0.080	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	mg/kg	TM30/PM17
Dissolved Barium #	0.019	0.007	0.006	<0.003	0.008	0.027	0.036	0.039	0.040	0.007	<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	0.19	0.07	0.06	<0.03	0.08	0.27	0.36	0.39	0.40	0.07	<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	0.0026	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	0.026	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	mg/kg	TM30/PM17
Dissolved Copper #	0.013	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	0.13	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM30/PM17
Dissolved Lead #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	<0.002	0.003	0.003	0.006	0.007	0.011	0.009	0.010	0.007	0.005	<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	<0.02	0.03	0.03	0.06	0.07	0.11	0.09	0.10	0.07	0.05	<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	0.005	<0.003	<0.003	<0.003	<0.003	0.003	<0.003	0.004	0.006	<0.003	<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	0.05	<0.03	<0.03	<0.03	<0.03	0.03	<0.03	0.04	0.06	<0.03	<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00005	<0.00001	<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0005	<0.0001	<0.0001	mg/kg	TM61/PM0
Phenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/l	TM26/PM0
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM26/PM0
Fluoride	0.5	<0.3	0.4	0.5	0.3	0.4	<0.3	<0.3	<0.3	0.3	<0.3	mg/l	TM173/PM0
Fluoride	5	<3	4	5	<3	4	<3	<3	<3	3	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	29.6	22.1	28.2	3.4	15.4	27.2	251.6	345.7	11.4	14.3	<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	296	221	282	34	154	272	2515	3457	114	143	<5	mg/kg	TM38/PM0
Mass of raw test portion	0.1065	0.1007	0.1044	0.0917	0.0921	0.0986	0.0973	0.0936	0.102	0.0981		kg	NONE/PM17
Chloride #	1.0	1.2	12.7	0.3	0.8	1.2	1.9	8.4	0.7	<0.3	<0.3	mg/l	TM38/PM0
Chloride #	10	12	127	3	8	12	19	84	7	<3	<3	mg/kg	TM38/PM0
Mass of dried test portion	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		kg	NONE/PM17
Dissolved Organic Carbon	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	mg/l	TM60/PM0
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	mg/kg	TM60/PM0
pH	8.27	8.15	8.28	8.19	8.98	8.18	7.81	7.85	8.17	8.26	<0.01	pH units	TM73/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	121-124	125-128	129-132	133-136	137-140	141-144	145-148	149-152	153-156	157-160	LOD/LOR	Units	Method No.
Sample ID	TP1-10	TP1-10	TP1-10	TP1-11	TP1-11	TP1-12	TP1-12	TP1-12	TP1-12	TP1-13			
Depth	1.00-2.00	2.00-3.00	3.00-4.00	0.00-1.00	1.00-1.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024			
Total Dissolved Solids #	134	105	132	<35	53	91	476	652	65	71	<35	mg/l	TM20/PM0
Total Dissolved Solids #	1339	1050	1320	<350	530	910	4759	6520	650	710	<350	mg/kg	TM20/PM0

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	161-164	165-168	173-176	177-180	181-184	185-188	189-192	193-196			LOD/LOR	Units	Method No.
Sample ID	TP1-13	TP1-13	TP1-14	TP1-14	TP1-14	TP1-15	TP1-15	TP1-15					
Depth	1.00-2.00	2.00-2.80	1.00-2.00	2.00-3.00	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.60					
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024					
Dissolved Antimony #	<0.002	<0.002	<0.002	<0.002	0.004	0.003	0.004	0.005			<0.002	mg/l	TM30/PM17
Dissolved Antimony (A10) #	<0.02	<0.02	<0.02	<0.02	0.04	0.03	0.04	0.05			<0.02	mg/kg	TM30/PM17
Dissolved Arsenic #	0.0040	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	mg/l	TM30/PM17
Dissolved Arsenic (A10) #	0.040	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025			<0.025	mg/kg	TM30/PM17
Dissolved Barium #	0.006	0.006	0.045	0.053	0.006	0.021	0.005	<0.003			<0.003	mg/l	TM30/PM17
Dissolved Barium (A10) #	0.06	0.06	0.45	0.53	0.06	0.21	0.05	<0.03			<0.03	mg/kg	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	mg/l	TM30/PM17
Dissolved Cadmium (A10) #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	mg/kg	TM30/PM17
Dissolved Chromium #	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015			<0.0015	mg/l	TM30/PM17
Dissolved Chromium (A10) #	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			<0.015	mg/kg	TM30/PM17
Dissolved Copper #	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007			<0.007	mg/l	TM30/PM17
Dissolved Copper (A10) #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07			<0.07	mg/kg	TM30/PM17
Dissolved Lead #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	mg/l	TM30/PM17
Dissolved Lead (A10) #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	mg/kg	TM30/PM17
Dissolved Molybdenum #	0.004	0.003	0.003	0.007	0.007	0.008	0.008	0.011			<0.002	mg/l	TM30/PM17
Dissolved Molybdenum (A10) #	0.04	0.03	0.03	0.07	0.07	0.08	0.08	0.11			<0.02	mg/kg	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	mg/l	TM30/PM17
Dissolved Nickel (A10) #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	mg/kg	TM30/PM17
Dissolved Selenium #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			<0.003	mg/l	TM30/PM17
Dissolved Selenium (A10) #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03			<0.03	mg/kg	TM30/PM17
Dissolved Zinc #	<0.003	<0.003	<0.003	0.003	0.004	<0.003	<0.003	<0.003			<0.003	mg/l	TM30/PM17
Dissolved Zinc (A10) #	<0.03	<0.03	<0.03	0.03	0.04	<0.03	<0.03	<0.03			<0.03	mg/kg	TM30/PM17
Mercury Dissolved by CVAF #	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	mg/l	TM61/PM0
Mercury Dissolved by CVAF #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	mg/kg	TM61/PM0
Phenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	mg/l	TM26/PM0
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM26/PM0
Fluoride	<0.3	<0.3	<0.3	<0.3	0.4	0.5	<0.3	0.3			<0.3	mg/l	TM173/PM0
Fluoride	<3	<3	<3	<3	4	5	<3	3			<3	mg/kg	TM173/PM0
Sulphate as SO4 #	11.0	11.6	76.7	78.9	18.6	80.2	30.8	28.4			<0.5	mg/l	TM38/PM0
Sulphate as SO4 #	110	116	767	789	186	802	308	284			<5	mg/kg	TM38/PM0
Mass of raw test portion	0.0984	0.0948	0.0936	0.0917	0.0946	0.0927	0.0951	0.0964				kg	NONE/PM17
Chloride #	<0.3	<0.3	1.3	1.4	1.4	<0.3	0.4	1.6			<0.3	mg/l	TM38/PM0
Chloride #	<3	<3	13	14	14	<3	4	16			<3	mg/kg	TM38/PM0
Mass of dried test portion	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09				kg	NONE/PM17
Dissolved Organic Carbon	<2	<2	<2	<2	<2	<2	<2	<2			<2	mg/l	TM60/PM0
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	<20	<20			<20	mg/kg	TM60/PM0
pH	8.63	8.44	7.86	7.71	8.07	7.94	8.22	8.14			<0.01	pH units	TM73/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/09/2024

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	161-164	165-168	173-176	177-180	181-184	185-188	189-192	193-196			LOD/LOR	Units	Method No.
Sample ID	TP1-13	TP1-13	TP1-14	TP1-14	TP1-14	TP1-15	TP1-15	TP1-15					
Depth	1.00-2.00	2.00-2.80	1.00-2.00	2.00-3.00	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.60					
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024					
Total Dissolved Solids #	60	57	140	153	71	162	99	103			<35	mg/l	TM20/PM0
Total Dissolved Solids #	600	570	1400	1530	710	1621	990	1031			<350	mg/kg	TM20/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : **EN12457_2**

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/8/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-4	5-8	9-12	13-16	17-20	21-24	25-28	29-32	33-36	37-40						
Sample ID	TP1-01	TP1-01	TP1-01	TP1-02	TP1-02	TP1-02	TP1-03	TP1-03	TP1-03	TP1-04						
Depth	0.00-1.00	1.00-2.00	2.00-2.50	0.80-1.00	1.00-2.00	2.00-2.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00						
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	1	1	1	1	1	1	1	1	1	1						
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Solid Waste Analysis																
Total Organic Carbon #	0.27	0.13	0.16	0.20	0.14	0.92	0.25	1.29	0.85	0.51	3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	0.035	<0.025	<0.025	<0.025	<0.025	<0.025 [SV]	<0.025	<0.025	<0.025	<0.025	6	-	-	<0.025	mg/kg	TM36/PM12
Sum of 7 PCBs #	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	<30	<30	<30	<30	<30	<30	31	226	<30	<30	500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	6.28	2.20	0.46	-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	11.78	4.20	0.81	100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																
Arsenic #	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.031	0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	<0.03	<0.03	<0.03	0.18	0.06	0.05	0.10	1.52	1.28	0.19	20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	0.018	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	<0.02	0.05	0.04	0.08	0.12	0.08	0.07	0.07	0.04	0.04	0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.69	0.38	<0.05	0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	0.12	0.22	0.04	0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	<0.03	<0.03	<0.03	<0.03	0.09	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.21	0.07	<0.03	4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	670	570	470	6110	3380	3209	5551	950	1090	770	4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	500	800	1000	<20	mg/kg	TM60/PM0
Mass of raw test portion	0.0906	0.0965	0.0908	0.0922	0.0911	0.0913	0.0922	0.1022	0.0948	0.0921	-	-	-		kg	NONE/PM17
Dry Matter Content Ratio	99.3	93.6	99.7	97.7	99.1	99.1	97.7	88.2	94.5	97.8	-	-	-	<0.1	%	NONE/PM4
Leachant Volume	0.899	0.894	0.9	0.898	0.899	0.899	0.898	0.888	0.895	0.898	-	-	-		l	NONE/PM17
Moisture Content 105C (% Dry Weight)	0.7	6.9	0.4	2.3	1.0	0.9	2.4	13.4	5.8	2.3	-	-	-	<0.1	%	PM4/PM0
pH #	9.13	8.99	9.13	8.29	8.40	8.40	8.33	8.02	8.04	10.12	-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	<3	4	<3	3	<3	<3	5	6	<3	4	10	150	500	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	126	48	32	3759	1891	1637	3441	380	456	283	1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	14	9	10	6	19	60	4	21	21	23	800	15000	25000	<3	mg/kg	TM38/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : **EN12457_2**

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

RECEIVED: 19/8/2025

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	41-44	45-48	49-52	53-56	57-60	61-64	65-68	69-72	73-76	77-80						
Sample ID	TP1-04	TP1-04	TP1-05	TP1-05	TP1-05	TP1-05	TP1-06	TP1-06	TP1-06	TP1-07						
Depth	1.00-2.00	2.00-2.90	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.70	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00						
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	1	1	1	1	1	1	1	1	1	1						
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Solid Waste Analysis																
Total Organic Carbon #	1.53	2.33	34.06	0.90	0.47	0.32	0.74	0.11	0.11	0.93	3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	<0.025	<0.025	<0.025 SV	<0.025 SV	<0.025 SV	<0.025	<0.025	<0.025	<0.025	0.156 SV	6	-	-	<0.025	mg/kg	TM36/PM12
Sum of 7 PCBs #	<0.035	<0.035	<0.350 BA	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.350 BA	1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	196	83	400	102	56	<30	209	<30	<30	590	500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	7.70	26.27	1.69	4.48	5.08	2.30	4.83	0.43	6.05	1.01	-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	14.57	44.27	8.10	8.24	10.03	4.69	8.77	0.79	11.78	2.37	100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																
Arsenic #	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.035	<0.025	0.036	<0.025	0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	0.53	0.42	0.15	0.27	0.55	0.12	0.15	0.09	0.10	0.16	20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.054	<0.015	<0.015	0.029	0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.73	<0.07	<0.07	<0.07	2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	0.10	0.03	<0.02	0.04	0.11	<0.02	0.22	<0.02	0.05	0.03	0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	0.28	3.42	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	0.15	0.13	<0.02	0.05	0.05	0.03	0.14	<0.02	<0.02	<0.02	0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.07	<0.03	<0.03	<0.03	0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	0.15	0.23	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	4180	5159	670	550	570	620	2609	480	950	1110	4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	80	<20	<20	<20	500	800	1000	<20	mg/kg	TM60/PM0
Mass of raw test portion	0.0966	0.0985	0.0911	0.0994	0.098	0.0912	0.0972	0.0904	0.0924	0.0906	-	-	-		kg	NONE/PM17
Dry Matter Content Ratio	93.7	91.0	99.3	90.5	91.9	98.2	93.1	99.0	97.0	99.2	-	-	-	<0.1	%	NONE/PM4
Leachant Volume	0.894	0.891	0.899	0.891	0.892	0.898	0.893	0.899	0.897	0.899	-	-	-		l	NONE/PM17
Moisture Content 105C (% Dry Weight)	6.7	9.9	0.7	10.5	8.8	1.8	7.4	1.0	3.1	0.8	-	-	-	<0.1	%	PM4/PM0
pH #	8.01	8.21	8.45	8.85	8.59	9.26	11.77	9.24	10.47	10.21	-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	10	150	500	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	2172	2804	249	95	122	52	606	79	295	261	1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	20	51	9	8	10	68	147	6	17	14	800	15000	25000	<3	mg/kg	TM38/PM0

Element Materials Technology

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Please see attached notes for all abbreviations and acronyms

EMT Sample No.	81-84	85-88	89-92	93-96	97-100	101-104	105-108	109-112	113-116	117-120	Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Sample ID	TP1-07	TP1-07	TP1-08	TP1-08	TP1-08	TP1-08	TP1-09	TP1-09	TP1-09	TP1-10						
Depth	1.00-2.00	2.00-2.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00	1.00-2.00	2.00-3.00	0.00-1.00						
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	1	1	1	1	1	1	1	1	1	1						
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024						
Solid Waste Analysis																
Total Organic Carbon #	0.14	0.25	0.26	0.12	1.05	0.33	0.84	0.78	0.26	9.58	3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	0.066 SV	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025 SV	6	-	-	<0.025	mg/kg	TM36/PM12
Sum of 7 PCBs #	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.350 BA	1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	37	<30	<30	<30	<30	<30	86	70	<30	523	500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	<0.22	<0.22	0.73	0.50	0.48	0.34	2.05	9.40	0.93	7.71	-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	<0.64	<0.64	1.26	0.96	1.00	0.71	3.79	17.72	1.69	14.66	100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																
Arsenic #	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.065	0.045	0.028	0.038	0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	0.15	0.04	0.04	0.09	0.16	0.14	0.16	0.12	0.10	0.42	20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	0.024	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.09	0.15	<0.07	<0.07	2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	0.08	0.10	0.04	0.17	0.09	0.03	0.08	0.06	<0.02	0.17	0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.24	0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	0.08	<0.02	<0.02	0.74	0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.85	4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	3171	810	650	450	400	<350	2381	2209	600	2310	4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	<20	<20	<20	30	500	800	1000	<20	mg/kg	TM60/PM0
Mass of raw test portion	0.0908	0.091	0.0923	0.0911	0.0915	0.0907	0.0973	0.0972	0.0916	0.1048	-	-	-		kg	NONE/PM17
Dry Matter Content Ratio	99.7	98.6	97.4	99.3	97.8	99.1	92.6	92.2	98.0	85.9	-	-	-	<0.1	%	NONE/PM4
Leachant Volume	0.9	0.899	0.898	0.899	0.898	0.899	0.893	0.892	0.898	0.885	-	-	-		l	NONE/PM17
Moisture Content 105C (% Dry Weight)	0.3	1.4	2.7	0.7	2.3	0.9	8.0	8.4	2.1	16.5	-	-	-	<0.1	%	PM4/PM0
pH #	10.25	8.69	8.58	8.92	8.60	9.07	8.15	9.15	8.73	7.38	-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	<3	4	3	<3	<3	<3	<3	<3	<3	5	10	150	500	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	1625	291	157	101	41	21	981	918	148	843	1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	11	22	<3	<3	<3	<3	11	15	27	10	800	15000	25000	<3	mg/kg	TM38/PM0

Element Materials Technology

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Please see attached notes for all abbreviations and acronyms

EMT Sample No.	121-124	125-128	129-132	133-136	137-140	141-144	145-148	149-152	153-156	157-160	Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Sample ID	TP1-10	TP1-10	TP1-10	TP1-11	TP1-11	TP1-12	TP1-12	TP1-12	TP1-12	TP1-13						
Depth	1.00-2.00	2.00-3.00	3.00-4.00	0.00-1.00	1.00-1.70	0.00-1.00	1.00-2.00	2.00-3.00	3.00-3.60	0.00-1.00						
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	1	1	1	1	1	1	1	1	1	1						
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024						
Solid Waste Analysis																
Total Organic Carbon #	0.60	6.81	3.43	0.43	0.53	1.59	2.18	2.53	2.57	0.64	3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	<0.025 SV	0.026 SV	<0.025 SV	<0.025 SV	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	6	-	-	<0.025	mg/kg	TM36/PM12
Sum of 7 PCBs #	<0.350 BA	<0.035	<0.350 BA	<0.350 BA	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	135	137	136	246	40	98	75	217	287	<30	500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	12.38	26.87	59.21	<0.22	1.65	17.26	20.05	38.75	27.52	2.37	-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	22.65	51.08	115.91	<0.64	3.06	32.06	37.45	76.64	52.02	4.24	100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																
Arsenic #	0.117	<0.025	0.080	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	0.19	0.07	0.06	<0.03	0.08	0.27	0.36	0.39	0.40	0.07	20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	0.026	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	0.13	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0005	<0.0001	0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	<0.02	0.03	0.03	0.06	0.07	0.11	0.09	0.10	0.07	0.05	0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	0.07	0.03	0.08	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	0.05	<0.03	<0.03	<0.03	<0.03	0.03	<0.03	0.04	0.06	<0.03	4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	1339	1050	1320	<350	530	910	4759	6520	650	710	4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	500	800	1000	<20	mg/kg	TM60/PM0
Mass of raw test portion	0.1065	0.1007	0.1044	0.0917	0.0921	0.0986	0.0973	0.0936	0.102	0.0981	-	-	-		kg	NONE/PM17
Dry Matter Content Ratio	84.5	88.9	86.3	98.4	98.3	91.6	93.0	96.7	87.9	91.6	-	-	-	<0.1	%	NONE/PM4
Leachant Volume	0.883	0.889	0.886	0.899	0.898	0.892	0.893	0.897	0.888	0.892	-	-	-		l	NONE/PM17
Moisture Content 105C (% Dry Weight)	18.4	12.5	15.9	1.6	1.7	9.1	7.5	3.4	13.8	9.1	-	-	-	<0.1	%	PM4/PM0
pH #	7.54	8.15	8.21	8.90	9.06	8.59	8.29	8.34	8.20	8.97	-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	5	<3	4	5	<3	4	<3	<3	<3	3	10	150	500	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	296	221	282	34	154	272	2515	3457	114	143	1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	10	12	127	3	8	12	19	84	7	<3	800	15000	25000	<3	mg/kg	TM38/PM0

Element Materials Technology

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne
EMT Job No: 24/12401

Report : **EN12457_2**

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

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Please see attached notes for all abbreviations and acronyms

EMT Sample No.	161-164	165-168	173-176	177-180	181-184	185-188	189-192	193-196			Inert	Stable Non-reactive	Hazardous	LOD LOR	Units	Method No.
Sample ID	TP1-13	TP1-13	TP1-14	TP1-14	TP1-14	TP1-15	TP1-15	TP1-15								
Depth	1.00-2.00	2.00-2.80	1.00-2.00	2.00-3.00	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.60								
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T								
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024								
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil								
Batch Number	1	1	1	1	1	1	1	1								
Date of Receipt	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024								
Solid Waste Analysis																
Total Organic Carbon #	0.81	0.50	0.44	0.63	0.80	0.51	0.28	0.37			3	5	6	<0.02	%	TM21/PM24
Sum of BTEX	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025			6	-	-	<0.025	mg/kg	TM36/PM12
Sum of 7 PCBs #	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035			1	-	-	<0.035	mg/kg	TM17/PM8
Mineral Oil	<30	<30	<30	<30	<30	<30	<30	<30			500	-	-	<30	mg/kg	TM5/PM8/PM16
PAH Sum of 6 #	3.90	<0.22	4.18	3.21	6.62	4.22	1.75	3.78			-	-	-	<0.22	mg/kg	TM4/PM8
PAH Sum of 17	7.63	<0.64	7.81	5.98	12.80	7.76	3.97	6.99			100	-	-	<0.64	mg/kg	TM4/PM8
CEN 10:1 Leachate																
Arsenic #	0.040	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025			0.5	2	25	<0.025	mg/kg	TM30/PM17
Barium #	0.06	0.06	0.45	0.53	0.06	0.21	0.05	<0.03			20	100	300	<0.03	mg/kg	TM30/PM17
Cadmium #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			0.04	1	5	<0.005	mg/kg	TM30/PM17
Chromium #	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			0.5	10	70	<0.015	mg/kg	TM30/PM17
Copper #	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07			2	50	100	<0.07	mg/kg	TM30/PM17
Mercury #	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			0.01	0.2	2	<0.0001	mg/kg	TM61/PM0
Molybdenum #	0.04	0.03	0.03	0.07	0.07	0.08	0.08	0.11			0.5	10	30	<0.02	mg/kg	TM30/PM17
Nickel #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			0.4	10	40	<0.02	mg/kg	TM30/PM17
Lead #	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			0.5	10	50	<0.05	mg/kg	TM30/PM17
Antimony #	<0.02	<0.02	<0.02	<0.02	0.04	0.03	0.04	0.05			0.06	0.7	5	<0.02	mg/kg	TM30/PM17
Selenium #	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03			0.1	0.5	7	<0.03	mg/kg	TM30/PM17
Zinc #	<0.03	<0.03	<0.03	0.03	0.04	<0.03	<0.03	<0.03			4	50	200	<0.03	mg/kg	TM30/PM17
Total Dissolved Solids #	600	570	1400	1530	710	1621	990	1031			4000	60000	100000	<350	mg/kg	TM20/PM0
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	<20	<20			500	800	1000	<20	mg/kg	TM60/PM0
Mass of raw test portion	0.0984	0.0948	0.0936	0.0917	0.0946	0.0927	0.0951	0.0964			-	-	-		kg	NONE/PM17
Dry Matter Content Ratio	91.3	94.4	96.6	98.7	94.8	97.4	94.2	93.3			-	-	-	<0.1	%	NONE/PM4
Leachant Volume	0.891	0.895	0.897	0.899	0.895	0.898	0.894	0.894			-	-	-		l	NONE/PM17
Moisture Content 105C (% Dry Weight)	9.5	6.0	3.5	1.3	5.5	2.6	6.2	7.2			-	-	-	<0.1	%	PM4/PM0
pH #	8.98	8.93	8.44	8.47	8.53	8.42	8.62	8.52			-	-	-	<0.01	pH units	TM73/PM11
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			1	-	-	<0.1	mg/kg	TM26/PM0
Fluoride	<3	<3	<3	<3	4	5	<3	3			10	150	500	<3	mg/kg	TM173/PM0
Sulphate as SO4 #	110	116	767	789	186	802	308	284			1000	20000	50000	<5	mg/kg	TM38/PM0
Chloride #	<3	<3	13	14	14	<3	4	16			800	15000	25000	<3	mg/kg	TM38/PM0

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne

Matrix : Solid

RECEIVED: 19/09/2025

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	EPH Interpretation
24/12401	1	TP1-01	0.00-1.00	1-4	Naturally occurring compounds
24/12401	1	TP1-01	1.00-2.00	5-8	Naturally occurring compounds
24/12401	1	TP1-01	2.00-2.50	9-12	No interpretation possible
24/12401	1	TP1-02	0.80-1.00	13-16	No interpretation possible
24/12401	1	TP1-02	1.00-2.00	17-20	No interpretation possible
24/12401	1	TP1-02	2.00-2.60	21-24	No interpretation possible
24/12401	1	TP1-03	0.00-1.00	25-28	Naturally occurring compounds
24/12401	1	TP1-03	1.00-2.00	29-32	PAHs, Lubricating oil & Trace of possible degraded diesel
24/12401	1	TP1-03	2.00-3.00	33-36	Trace of PAHs
24/12401	1	TP1-04	0.00-1.00	37-40	Naturally occurring compounds
24/12401	1	TP1-04	1.00-2.00	41-44	PAHs & Lubricating oil
24/12401	1	TP1-04	2.00-2.90	45-48	PAHs & Trace of lubricating oil
24/12401	1	TP1-05	0.00-1.00	49-52	Possible PAHs, Lubricating oil, Possible trace of degraded diesel & Possible tarmac/bitumen
24/12401	1	TP1-05	1.00-2.00	53-56	PAHs, Trace of lubricating oil & Possible tarmac/bitumen
24/12401	1	TP1-05	2.00-3.00	57-60	PAHs & Trace of possible lubricating oil
24/12401	1	TP1-05	3.00-3.70	61-64	No interpretation possible
24/12401	1	TP1-06	0.00-1.00	65-68	PAHs & Trace of lubricating oil
24/12401	1	TP1-06	1.00-2.00	69-72	No interpretation possible
24/12401	1	TP1-06	2.00-3.00	73-76	PAHs & Naturally occurring compounds
24/12401	1	TP1-07	0.00-1.00	77-80	Trace of degraded kerosene, Possible degraded diesel, Possible tarmac/bitumen & Naturally occurring compounds
24/12401	1	TP1-07	1.00-2.00	81-84	Possible gasoline residues and Possible tarmac/bitumen
24/12401	1	TP1-07	2.00-2.70	85-88	Naturally occurring compounds
24/12401	1	TP1-08	0.00-1.00	89-92	No interpretation possible
24/12401	1	TP1-08	1.00-2.00	93-96	No interpretation possible
24/12401	1	TP1-08	2.00-3.00	97-100	No interpretation possible
24/12401	1	TP1-08	3.00-3.60	101-104	No interpretation possible
24/12401	1	TP1-09	0.00-1.00	105-108	PAHs, Trace of possible lubricating oil & Naturally occurring compounds
24/12401	1	TP1-09	1.00-2.00	109-112	PAHs, Possible trace of degraded diesel & Naturally occurring compounds
24/12401	1	TP1-09	2.00-3.00	113-116	No interpretation possible
24/12401	1	TP1-10	0.00-1.00	117-120	PAHs, Lubricating oil, Possible degraded diesel & Naturally occurring compounds
24/12401	1	TP1-10	1.00-2.00	121-124	PAHs, Trace of lubricating oil & Naturally occurring compounds
24/12401	1	TP1-10	2.00-3.00	125-128	PAHs, Trace of lubricating oil & Naturally occurring compounds

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne

Matrix : Solid

RECEIVED: 19/09/2025

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	EPH Interpretation
24/12401	1	TP1-10	3.00-4.00	129-132	PAHs, Trace of lubricating oil & Trace of possible degraded diesel
24/12401	1	TP1-11	0.00-1.00	133-136	Possible gasoline residues, Trace of lubricating oil & possible tarmac/bitumen
24/12401	1	TP1-11	1.00-1.70	137-140	Possible gasoline residues & Naturally occurring compounds
24/12401	1	TP1-12	0.00-1.00	141-144	PAHs & Trace of lubricating oil
24/12401	1	TP1-12	1.00-2.00	145-148	PAHs & Trace of lubricating oil
24/12401	1	TP1-12	2.00-3.00	149-152	PAHs, Trace of lubricating oil & Possible trace of degraded diesel
24/12401	1	TP1-12	3.00-3.60	153-156	PAHs, Trace of lubricating oil & Trace of possible degraded diesel
24/12401	1	TP1-13	0.00-1.00	157-160	PAHs & Trace of lubricating oil
24/12401	1	TP1-13	1.00-2.00	161-164	PAHs
24/12401	1	TP1-13	2.00-2.80	165-168	No interpretation possible
24/12401	1	TP1-14	1.00-2.00	173-176	PAHs
24/12401	1	TP1-14	2.00-3.00	177-180	PAHs
24/12401	1	TP1-14	0.00-1.00	181-184	PAHs
24/12401	1	TP1-15	0.00-1.00	185-188	PAHs
24/12401	1	TP1-15	1.00-2.00	189-192	No interpretation possible
24/12401	1	TP1-15	2.00-2.60	193-196	No interpretation possible

Element Materials Technology

Notification of Deviating Samples

Client Name: Ground Investigations Ireland
Reference: 13885-06-24
Location: Galway Port
Contact: Adam Browne

Matrix : Solid

RECEIVED: 19/09/2024

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
24/12401	1	TP1-04	2.00-2.90	45-48	EPH	Sample holding time exceeded
24/12401	1	TP1-05	0.00-1.00	49-52	EPH	Sample holding time exceeded
24/12401	1	TP1-05	1.00-2.00	53-56	EPH	Sample holding time exceeded
24/12401	1	TP1-15	1.00-2.00	189-192	PAH	Sample holding time exceeded

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.
It is a requirement under ISO 17025 that we inform clients if samples are deviating i.e. outside what is expected. A deviating sample indicates that the sample 'may' be compromised but not necessarily will be compromised. The result is still accredited and our analytical reports will still show accreditation on the relevant analytes.

Please include all sections of this report if it is reproduced

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 24/12401

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 35°C ±5°C.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

RECEIVED: 19/09/2025

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.
Laboratory records are kept for a period of no less than 6 years.

RECEIVED: 19/09/2025

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

Age of Diesel

The age of release estimation is based on the nC17/pristane ratio only as prescribed by Christensen and Larsen (1993) and Kaplan, Galperin, Alimi et al., (1996).
Age estimation should be treated with caution as it can be influenced by site specific factors of which the laboratory are not aware.

Tentatively Identified Compounds (TICs)

Where Tentatively Identified Compounds (TICs) are reported, up to 10 Tentatively Identified Compounds will be listed where there is found to be a greater than 80% match with the NIST library. The reported concentration is determined semi-quantitively, with a matrix specific limit of detection. Note, other compounds may be present but are not reported.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above quantitative calibration range. The result should be considered the minimum value and is indicative only. The actual result could be significantly higher.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range
AA	x5 Dilution
AB	x10 Dilution
BA	x10 Dilution

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HWOL ACRONYMS AND OPERATORS USED

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	EU_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.

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EMT Job No: 24/12401

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
TM17	Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM20	Modified BS 1377-3:1990/USEPA 160.1/3 (TDS/TS: 1971) Gravimetric determination of Total Dissolved Solids/Total Solids	PM0	No preparation is required.	Yes		AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil.	PM24	Preparation of Soil and Marine Sediment Samples for Total Organic Carbon.	Yes		AD	Yes

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Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.			AR	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes		AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.	Yes		AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013I	PM0	No preparation is required.	Yes		AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013I	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AR	Yes
TM60	TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060A (2002), APHA SMEWW 5310B:1999 22nd Edition, ASTM D 7573, and USEPA 415.1.	PM0	No preparation is required.			AR	Yes
TM61	Determination of Mercury by Cold Vapour Atomic Fluorescence - WATERS: Modified USEPA Method 245.7, Rev 2, Feb 2005. SOILS: Modified USEPA Method 7471B, Rev.2, Feb 2007	PM0	No preparation is required.	Yes		AR	Yes

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Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes		AR	No
TM160	Titrimetric determination of acid reserve to pH 4.0 or alkali reserve to pH 10.0 based on method C14.2 Canadian Government (2013).	PM110	Preparation of a 10% (w/w) aqueous solution of soil in distilled water			AR	No
TM173	Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 9214 - 340.2 (EPA 1998)	PM0	No preparation is required.			AR	Yes
NONE	No Method Code	NONE	No Method Code			AD	Yes
NONE	No Method Code	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.			AR	
Subcontracted	See attached subcontractor report for accreditation status and provider.					AR	

APPENDIX 5 – HazWasteOnLine™ Report

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Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

6BKKR-RPMRX-8HLO7

Report is invalid if pages are removed.

Job name

Galway Port Master Report

Description/Comments

Project

14663-04-25

Site

Galway Port Master Report

Classified by

Name:
Lin Moriarty
Date:
15 Jul 2025 08:45 GMT
Telephone:
083 337 0013

Company:
Ground Investigations Ireland Ltd
Catherinestown House
Hazelhatch Road
Newcastle
D22 YD52

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification: **CERTIFIED**

Course	Date
Hazardous Waste Classification	05 Jun 2025

Next 3 year Refresher due by Jun 2028

Purpose of classification

7 - Disposal of Waste

Address of the waste

Galway Port **Post Code** N/A

Description of industry/producer giving rise to the waste

Construction

Description of the specific process, sub-process and/or activity that created the waste

Foundation Excavation

Description of the waste

Made Ground and Soil and Stone

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Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	WAC Results		Page
					Inert	Non Haz	
1	WS203-29/09/2022-0.00-0.70m		Non Hazardous		N/A	N/A	4
2	WS206-29/09/2022-0.00-0.50m		Hazardous	HP 7, HP 11	N/A	N/A	8
3	WS207-29/09/2022-0.00-0.60m		Non Hazardous		N/A	N/A	12
4	WS208-29/09/2022-0.00-0.90m		Non Hazardous		N/A	N/A	16
5	WS209-29/09/2022-0.00-0.60m		Non Hazardous		N/A	N/A	20
6	WS210-29/09/2022-0.00-0.90m		Non Hazardous		N/A	N/A	24
7	WS211-29/09/2022-0.00-0.70m		Non Hazardous		N/A	N/A	28
8	WS212-29/09/2022-0.00-0.60m		Non Hazardous		N/A	N/A	32
9	WS213-29/09/2022-0.00-0.50m		Non Hazardous		N/A	N/A	36
10	WS214-29/09/2022-0.00-0.50m		Non Hazardous		N/A	N/A	40
11	WS215-29/09/2022-0.00-0.50m		Non Hazardous		N/A	N/A	44
12	TP1-01-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	48
13	TP1-01-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	52
14	TP1-01-12/07/2024-2.00-2.50m		Non Hazardous		N/A	N/A	56
15	TP1-02-12/07/2024-0.80-1.00m		Non Hazardous		N/A	N/A	60
16	TP1-02-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	64
17	TP1-02-12/07/2024-2.00-2.60m		Non Hazardous		N/A	N/A	68
18	TP1-03-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	72
19	TP1-03-12/07/2024-1.00-2.00m		Hazardous	HP 10, HP 14	N/A	N/A	76
20	TP1-03-12/07/2024-2.00-3.00m		Hazardous	HP 14	N/A	N/A	80
21	TP1-04-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	84
22	TP1-04-12/07/2024-1.00-2.00m		Hazardous	HP 14	N/A	N/A	88
23	TP1-04-12/07/2024-2.00-2.90m		Hazardous	HP 14	N/A	N/A	92
24	TP1-05-12/07/2024-0.00-1.00m		Hazardous	HP 7, HP 11	N/A	N/A	96
25	TP1-05-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	100
26	TP1-05-12/07/2024-2.00-3.00m		Non Hazardous		N/A	N/A	104
27	TP1-05-12/07/2024-3.00-3.70m		Non Hazardous		N/A	N/A	108
28	TP1-06-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	112
29	TP1-06-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	116
30	TP1-06-12/07/2024-2.00-3.00m		Non Hazardous		N/A	N/A	120
31	TP1-07-12/07/2024-0.00-1.00m		Hazardous	HP 7, HP 11	N/A	N/A	124
32	TP1-07-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	128
33	TP1-07-12/07/2024-2.00-2.70m		Non Hazardous		N/A	N/A	132
34	TP1-08-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	136
35	TP1-08-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	140
36	TP1-08-12/07/2024-2.00-3.00m		Non Hazardous		N/A	N/A	144
37	TP1-08-12/07/2024-3.00-3.60m		Non Hazardous		N/A	N/A	148
38	TP1-09-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	152
39	TP1-09-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	156
40	TP1-09-12/07/2024-2.00-3.00m		Non Hazardous		N/A	N/A	160
41	TP1-10-12/07/2024-0.00-1.00m		Hazardous	HP 7, HP 11, HP 14	N/A	N/A	164
42	TP1-10-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	168
43	TP1-10-12/07/2024-2.00-3.00m		Non Hazardous		N/A	N/A	172
44	TP1-10-12/07/2024-3.00-4.00m		Non Hazardous		N/A	N/A	176
45	TP1-11-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	180
46	TP1-11-12/07/2024-1.00-1.70m		Non Hazardous		N/A	N/A	184
47	TP1-12-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	188
48	TP1-12-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	192
49	TP1-12-12/07/2024-2.00-3.00m		Non Hazardous		N/A	N/A	196
50	TP1-12-12/07/2024-3.00-3.60m		Non Hazardous		N/A	N/A	200
51	TP1-13-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	204
52	TP1-13-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	208
53	TP1-13-12/07/2024-2.00-2.80m		Non Hazardous		N/A	N/A	212
54	TP1-14-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	216
55	TP1-14-12/07/2024-2.00-3.00m		Non Hazardous		N/A	N/A	220
56	TP1-14-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	224
57	TP1-15-12/07/2024-0.00-1.00m		Non Hazardous		N/A	N/A	228
58	TP1-15-12/07/2024-1.00-2.00m		Non Hazardous		N/A	N/A	232
59	TP1-15-12/07/2024-2.00-2.60m		Non Hazardous		N/A	N/A	236
60	WS-01-02/09/2019-0.00-0.50m		Non Hazardous		N/A	N/A	240
61	WS-02-02/09/2019-0.00-0.50m		Non Hazardous		N/A	N/A	244
62	WS-03-02/09/2019-0.00-0.54m		Non Hazardous		N/A	N/A	248

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#	Sample name	Depth [m]	Classification Result	Hazard properties	WAC Results		Page
					Inert	Non Haz	
63	WS-04-02/09/2019-0.00-1.00m		Non Hazardous		N/A	N/A	252
64	WS-04-02/09/2019-1.00-2.00m		Non Hazardous		N/A	N/A	256
65	WS-04-02/09/2019-2.00-2.20m		Non Hazardous		N/A	N/A	260
66	WS-05-02/09/2019-0.00-1.00m		Non Hazardous		N/A	N/A	264
67	WS-05-02/09/2019-1.00-1.70m		Non Hazardous		N/A	N/A	268
68	WS-07-30/08/2019-0.00-0.70m		Non Hazardous		N/A	N/A	272
69	WS-09-30/08/2019-0.00-1.00m		Non Hazardous		N/A	N/A	276
70	WS-09-30/08/2019-1.00-1.50m		Non Hazardous		N/A	N/A	280
71	WS-10-29/08/2019-0.00-1.00m		Hazardous	HP 10, HP 14	N/A	N/A	284
72	WS-10-29/08/2019-1.00-2.00m		Hazardous	HP 14	N/A	N/A	288
73	WS-11-03/09/2019-0.00-0.70m		Hazardous	HP 14	N/A	N/A	292
74	WS-12-30/08/2019-0.00-1.00m		Non Hazardous		N/A	N/A	296
75	WS-12-30/08/2019-1.00-2.00m		Non Hazardous		N/A	N/A	300
76	WS-13-03/09/2019-0.00-1.00m		Non Hazardous		N/A	N/A	304
77	WS-13-03/09/2019-1.00-2.00m		Non Hazardous		N/A	N/A	308
78	WS-14-28/08/2019-0.00-1.00m		Non Hazardous		N/A	N/A	312
79	WS-16-03/09/2019-0.00-1.00m		Hazardous	HP 10, HP 14	N/A	N/A	316
80	WS-17-02/09/2019-0.00-1.00m		Non Hazardous		N/A	N/A	320
81	WS-18-02/09/2019-0.00-1.00m		Hazardous	HP 14	N/A	N/A	324
82	WS-18-02/09/2019-1.00-2.00m		Hazardous	HP 7, HP 11	N/A	N/A	328
83	WS-18-02/09/2019-2.00-2.80m		Hazardous	HP 7, HP 11, HP 14	N/A	N/A	332
84	WS-19-03/09/2019-0.00-1.00m		Non Hazardous		N/A	N/A	336
85	WS-19-03/09/2019-1.00-1.60m		Non Hazardous		N/A	N/A	340
86	WS-20-29/08/2019-0.00-1.00m		Non Hazardous		N/A	N/A	344
87	WS-21-29/08/2019-0.00-1.00m		Non Hazardous		N/A	N/A	348
88	WS-21-29/08/2019-1.00-2.00m		Non Hazardous		N/A	N/A	352
89	WS-21-29/08/2019-2.00-3.00m		Non Hazardous		N/A	N/A	356
90	WS-21-29/08/2019-3.00-4.00m		Non Hazardous		N/A	N/A	360
91	WS-22-29/08/2019-0.00-1.00m		Non Hazardous		N/A	N/A	364
92	WS-23-02/09/2019-0.00-1.00m		Non Hazardous		N/A	N/A	368
93	WS-23-02/09/2019-1.00-2.00m		Non Hazardous		N/A	N/A	372
94	WS-24-02/09/2019-0.00-0.50m		Non Hazardous		N/A	N/A	376

Related documents

#	Name	Description
1	EMT-19-14295-Batch-1-File-1.HWOL	Element .hwol file used to populate the Job
2	EMT-22-16137-Batch-1-202210180925.batch	Element .batch file used to populate the Job
3	EMT-22-16137-Batch-1-202210180925.HWOL	Element .hwol file used to populate the Job
4	EMT-24-12401-Batch-1-202408211250.HWOL	Element .hwol file used to populate the Job
5	Example worst case waste stream template: 17 05 04 or 17 05 03 *	waste stream template used to create this Job

WAC results

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate the samples in this Job: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

Report

Created by: Lin Moriarty

Created date: 15 Jul 2025 08:45 GMT

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Classification of sample: WS203-29/09/2022-0.00-0.70m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS203-29/09/2022-0.00-0.70m
Moisture content:
6.3%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.6 mg/kg	1.895	4.615 mg/kg	0.000462 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		34 mg/kg	1.117	35.57 mg/kg	0.00356 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.521 mg/kg	0.0000521 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29.4 mg/kg	1.462	40.263 mg/kg	0.00403 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		7 mg/kg	3.929	25.771 mg/kg	0.00258 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.7 mg/kg	1.5	2.39 mg/kg	0.000239 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.5 mg/kg	5.358	42.676 mg/kg	0.00427 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		46 mg/kg	1.245	53.65 mg/kg	0.00536 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		402 mg/kg		376.674 mg/kg	0.0377 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.013	mg/kg		0.0122	mg/kg	0.00000122 %	✓	
21	●	pH			PH		12.5	pH		12.5	pH	12.5 pH		
22	●	pH: acid/alkali reserve			ACID_ALK_RES		0.596	gNaOH		0.596	gNaOH	0.596 gNaOH		
23		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
24	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
25	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
29	●	fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30	●	pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
31		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
32		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
34		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
35		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
39	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
40	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
41		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
42	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0582 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.0377%)
xylene (conc.: 1.22e-06%)

HP 4: Irritant - skin irritation and eye damage "waste which on application can cause skin irritation or damage to the eye"
Force this Hazardous Property to non-hazardous following: the acid/alkali reserve test indicate a low buffer capacity and No 'In vitro' testing undertaken (Not Hazardous by HP 4, HP 8) concrete - high pH. Evidence: Alkali reserve testing undertaken.

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 12.5 pH)

HP 8: Corrosive "waste which on application can cause skin corrosion"
Force this Hazardous Property to non-hazardous following: the acid/alkali reserve test indicate a low buffer capacity and No 'In vitro' testing undertaken (Not Hazardous by HP 4, HP 8) concrete - high pH. Evidence: Alkali reserve testing undertaken.

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 12.5 pH)

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WAC results for sample: WS203-29/09/2022-0.00-0.70m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.15	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	208	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	12.5	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	1.28	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.091	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.05	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	61	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	91	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	110	500	800
26	TDS (total dissolved solids)	mg/kg	4882	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS206-29/09/2022-0.00-0.50m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS206-29/09/2022-0.00-0.50m
Moisture content:
4.5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.169%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.169%)

Determinands

Moisture content: 4.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.5 mg/kg	1.895	6.332 mg/kg	0.000633 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		10 mg/kg	1.117	10.663 mg/kg	0.00107 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.2 mg/kg	1.855	0.354 mg/kg	0.0000354 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14.2 mg/kg	1.462	19.82 mg/kg	0.00198 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		8 mg/kg	3.929	30.018 mg/kg	0.003 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	8	mg/kg		7.64	mg/kg	0.000764 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
11		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.2	mg/kg	1.5	1.719	mg/kg	0.000172 %	✓	
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		7.2	mg/kg	5.358	36.844	mg/kg	0.00368 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		14	mg/kg	1.245	16.642	mg/kg	0.00166 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		1769	mg/kg		1689.395	mg/kg	0.169 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.67	pH		8.67	pH	8.67 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.07	mg/kg		0.0669	mg/kg	0.00000669 %	✓	
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.09	mg/kg		0.0859	mg/kg	0.00000859 %	✓	
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		0.05	mg/kg		0.0478	mg/kg	0.00000478 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.05	mg/kg		0.0478	mg/kg	0.00000478 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
36		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.35	mg/kg		<0.35	mg/kg	<0.000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.182 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.169%)

RECEIVED: 19/09/2025

WAC results for sample: WS206-29/09/2022-0.00-0.50m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.69	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	1	-
5	Mineral oil (C10 to C40)	mg/kg	580	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.67	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.05	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.04	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	14	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	38	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	590	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS207-29/09/2022-0.00-0.60m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS207-29/09/2022-0.00-0.60m
Moisture content:
5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				16.6 mg/kg	1.895	29.877 mg/kg	0.00299 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		12 mg/kg	1.117	12.728 mg/kg	0.00127 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.529 mg/kg	0.0000529 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	22.216 mg/kg	0.00222 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		11 mg/kg	3.929	41.059 mg/kg	0.00411 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	10 mg/kg		9.5 mg/kg	0.00095 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.6 mg/kg	1.5	2.28 mg/kg	0.000228 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		7.7 mg/kg	5.358	39.196 mg/kg	0.00392 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.426 mg/kg	0.000243 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		23 mg/kg	1.245	27.197 mg/kg	0.00272 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		645 mg/kg		612.75 mg/kg	0.0613 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.52	pH		8.52	pH	8.52 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.35	mg/kg		<0.35	mg/kg	<0.000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.08 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0613%)

RECEIVED: 19/09/2025

WAC results for sample: WS207-29/09/2022-0.00-0.60m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.6	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	1	-
5	Mineral oil (C10 to C40)	mg/kg	208	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.52	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.12	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	13	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	39	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	40	500	800
26	TDS (total dissolved solids)	mg/kg	<350	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS208-29/09/2022-0.00-0.90m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS208-29/09/2022-0.00-0.90m
Moisture content:
4.7%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.7% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1	mg/kg	1.197	<1.197	mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.9	mg/kg	1.895	3.43	mg/kg	0.000343 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		13	mg/kg	1.117	13.832	mg/kg	0.00138 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3	mg/kg	1.855	0.53	mg/kg	0.000053 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14.8	mg/kg	1.462	20.614	mg/kg	0.00206 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		5	mg/kg	3.929	18.722	mg/kg	0.00187 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	7	mg/kg		6.671	mg/kg	0.000667 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.2	mg/kg	1.5	1.716	mg/kg	0.000172 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		6.3	mg/kg	5.358	32.171	mg/kg	0.00322 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		13	mg/kg	1.245	15.421	mg/kg	0.00154 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		503	mg/kg		479.359	mg/kg	0.0479 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	●	pH			PH		8.87	pH		8.87	pH	8.87 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.13	mg/kg		0.124	mg/kg	0.0000124 %	✓	
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26	●	phenanthrene		201-581-5	85-01-8		0.16	mg/kg		0.152	mg/kg	0.0000152 %	✓	
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28	●	fluoranthene		205-912-4	206-44-0		0.04	mg/kg		0.0381	mg/kg	0.00000381 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.06	mg/kg		0.0572	mg/kg	0.00000572 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.07	mg/kg		0.0667	mg/kg	0.00000667 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.06	mg/kg		0.0572	mg/kg	0.00000572 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0593 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0479%)

RECEIVED: 19/09/2025

WAC results for sample: WS208-29/09/2022-0.00-0.90m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.69	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	184	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.87	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.15	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	6	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	24	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	480	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS209-29/09/2022-0.00-0.60m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS209-29/09/2022-0.00-0.60m
Moisture content:
3.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.8% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1	mg/kg	1.197	<1.197	mg/kg	<0.00012 %		<LOD
3		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.5	mg/kg	1.895	4.556	mg/kg	0.000456 %	✓	
4		barium { barium oxide }		215-127-9	1304-28-5		12	mg/kg	1.117	12.889	mg/kg	0.00129 %	✓	
5		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3	mg/kg	1.855	0.535	mg/kg	0.0000535 %	✓	
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31.9	mg/kg	1.462	44.852	mg/kg	0.00449 %	✓	
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<LOD
8		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		6	mg/kg	3.929	22.678	mg/kg	0.00227 %	✓	
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
11		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.8	mg/kg	1.5	4.041	mg/kg	0.000404 %	✓	
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.4	mg/kg	5.358	43.299	mg/kg	0.00433 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		74	mg/kg	1.245	88.609	mg/kg	0.00886 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		<52	mg/kg		<52	mg/kg	<0.0052 %		<LOD

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
17		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.006	mg/kg		0.0057	mg/kg	0.000000577 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				12	pH		12	pH	12pH		
				PH									
22	●	pH: acid/alkali reserve				0.194	gNaOH		0.194	gNaOH	0.194 gNaOH		
				ACID_ALK_RES									
23		naphthalene				0.2	mg/kg		0.192	mg/kg	0.0000192 %	✓	
		601-052-00-2	202-049-5	91-20-3									
24	●	acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
			205-917-1	208-96-8									
25	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
26	●	fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			201-695-5	86-73-7									
27	●	phenanthrene				0.26	mg/kg		0.25	mg/kg	0.000025 %	✓	
			201-581-5	85-01-8									
28	●	anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			204-371-1	120-12-7									
29	●	fluoranthene				0.08	mg/kg		0.077	mg/kg	0.0000077 %	✓	
			205-912-4	206-44-0									
30	●	pyrene				0.11	mg/kg		0.106	mg/kg	0.0000106 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.12	mg/kg		0.115	mg/kg	0.0000115 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.14	mg/kg		0.135	mg/kg	0.0000135 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.08	mg/kg		0.077	mg/kg	0.0000077 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.03	mg/kg		0.0289	mg/kg	0.00000289 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
36	●	indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			205-893-2	193-39-5									
37		dibenz[a,h]anthracene				0.04	mg/kg		0.0385	mg/kg	0.00000385 %	✓	
		601-041-00-2	200-181-8	53-70-3									
38	●	benzo[ghi]perylene				0.08	mg/kg		0.077	mg/kg	0.0000077 %	✓	
			205-883-8	191-24-2									
39	●	polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
40	●	coronene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			205-881-7	191-07-1									
41		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
42	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0223 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 5.77e-07%)

HP 4: Irritant - skin irritation and eye damage "waste which on application can cause skin irritation or damage to the eye"
Force this Hazardous Property to non-hazardous following: the acid/alkali reserve test indicate a low buffer capacity and No 'In vitro' testing undertaken (Not Hazardous by HP 4, HP 8) concrete - high pH. Evidence: Alkali reserve testing undertaken.

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 12 pH)

HP 8: Corrosive "waste which on application can cause skin corrosion"
Force this Hazardous Property to non-hazardous following: the acid/alkali reserve test indicate a low buffer capacity and No 'In vitro' testing undertaken (Not Hazardous by HP 4, HP 8) concrete - high pH. Evidence: Alkali reserve testing undertaken.

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 12 pH)

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WAC results for sample: WS209-29/09/2022-0.00-0.60m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.5	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.14	100	-
7	pH	pH	12	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.42	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.062	0.5	10
13	copper	mg/kg	0.19	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	0.03	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	44	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	201	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	160	500	800
26	TDS (total dissolved solids)	mg/kg	3500	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS210-29/09/2022-0.00-0.90m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS210-29/09/2022-0.00-0.90m
Moisture content:
6.1%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1	mg/kg	1.197	<1.197	mg/kg	<0.00012 %		<**LOD**
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4.4	mg/kg	1.895	7.827	mg/kg	0.000783 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		38	mg/kg	1.117	39.839	mg/kg	0.00398 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.8	mg/kg	1.855	1.393	mg/kg	0.000139 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17.1	mg/kg	1.462	23.468	mg/kg	0.00235 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		40	mg/kg	3.929	147.575	mg/kg	0.0148 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	78	mg/kg		73.242	mg/kg	0.00732 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.1	mg/kg	1.5	1.55	mg/kg	0.000155 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		4.5	mg/kg	5.358	22.642	mg/kg	0.00226 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		135	mg/kg	1.245	157.786	mg/kg	0.0158 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		1048	mg/kg		984.072	mg/kg	0.0984 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		7.65	pH		7.65	pH	7.65 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.13	mg/kg		0.122	mg/kg	0.0000122 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.1	mg/kg		0.0939	mg/kg	0.00000939 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.05	mg/kg		0.047	mg/kg	0.0000047 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.4	mg/kg		0.376	mg/kg	0.0000376 %	✓	
27		anthracene		204-371-1	120-12-7		0.15	mg/kg		0.141	mg/kg	0.0000141 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.85	mg/kg		0.798	mg/kg	0.0000798 %	✓	
29		pyrene		204-927-3	129-00-0		0.85	mg/kg		0.798	mg/kg	0.0000798 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.51	mg/kg		0.479	mg/kg	0.0000479 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.5	mg/kg		0.47	mg/kg	0.000047 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.7	mg/kg		0.657	mg/kg	0.0000657 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.27	mg/kg		0.254	mg/kg	0.0000254 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.47	mg/kg		0.441	mg/kg	0.0000441 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.48	mg/kg		0.451	mg/kg	0.0000451 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.11	mg/kg		0.103	mg/kg	0.0000103 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.4	mg/kg		0.376	mg/kg	0.0000376 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.18	mg/kg		0.169	mg/kg	0.0000169 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.147 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0984%)

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WAC results for sample: WS210-29/09/2022-0.00-0.90m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	3.07	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	191	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.15	100	-
7	pH	pH	7.65	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.057	0.5	2
10	barium	mg/kg	1.05	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.72	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.29	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.18	4	50
21	chloride	mg/kg	183	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	542	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	90	500	800
26	TDS (total dissolved solids)	mg/kg	2569	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS211-29/09/2022-0.00-0.70m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS211-29/09/2022-0.00-0.70m
Moisture content:
3.3%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.158 mg/kg	0.000116 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4.8 mg/kg	1.895	8.794 mg/kg	0.000879 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		188 mg/kg	1.117	202.976 mg/kg	0.0203 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		2.2 mg/kg	1.855	3.945 mg/kg	0.000395 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17.7 mg/kg	1.462	25.016 mg/kg	0.0025 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		15 mg/kg	3.929	56.991 mg/kg	0.0057 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	229 mg/kg		221.443 mg/kg	0.0221 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.1 mg/kg	1.353	0.131 mg/kg	0.0000131 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.5 mg/kg	1.5	2.176 mg/kg	0.000218 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		5.7 mg/kg	5.358	29.535 mg/kg	0.00295 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		254 mg/kg	1.245	305.724 mg/kg	0.0306 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		200 mg/kg		193.4 mg/kg	0.0193 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.022	mg/kg		0.0213	mg/kg	0.00000213 %	✓	
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		0.006	mg/kg		0.0058	mg/kg	0.00000058 %	✓	
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.041	mg/kg		0.0396	mg/kg	0.00000396 %	✓	
21	●	pH			PH		8.44	pH		8.44	pH	8.44 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.13	mg/kg		0.126	mg/kg	0.0000126 %	✓	
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26	●	phenanthrene		201-581-5	85-01-8		0.07	mg/kg		0.0677	mg/kg	0.00000677 %	✓	
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
28	●	fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
29	●	pyrene		204-927-3	129-00-0		0.06	mg/kg		0.058	mg/kg	0.0000058 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<**LOD**
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.02	mg/kg		0.0193	mg/kg	0.00000193 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.05	mg/kg		0.0484	mg/kg	0.00000484 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.105 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

toluene (conc.: 2.13e-06%)
ethylbenzene (conc.: 5.8e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.0193%)
xylene (conc.: 3.96e-06%)

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WAC results for sample: WS211-29/09/2022-0.00-0.70m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.27	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.069	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	163	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.44	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.51	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.024	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.13	4	50
21	chloride	mg/kg	10	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	19	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	90	500	800
26	TDS (total dissolved solids)	mg/kg	470	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS212-29/09/2022-0.00-0.60m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS212-29/09/2022-0.00-0.60m
Moisture content:
6.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3	mg/kg	1.197	3.344	mg/kg	0.000334 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				8.8	mg/kg	1.895	15.521	mg/kg	0.00155 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		140	mg/kg	1.117	145.525	mg/kg	0.0146 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		2	mg/kg	1.855	3.453	mg/kg	0.000345 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		80.9	mg/kg	1.462	110.081	mg/kg	0.011 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		49	mg/kg	3.929	179.239	mg/kg	0.0179 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	257	mg/kg		239.267	mg/kg	0.0239 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3	mg/kg	1.353	0.378	mg/kg	0.0000378 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.5	mg/kg	1.5	4.888	mg/kg	0.000489 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		16.9	mg/kg	5.358	84.307	mg/kg	0.00843 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1	mg/kg	2.554	2.378	mg/kg	0.000238 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		269	mg/kg	1.245	311.725	mg/kg	0.0312 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		109	mg/kg		101.479	mg/kg	0.0101 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.63	pH		8.63	pH	8.63 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.15	mg/kg		0.14	mg/kg	0.000014 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.15	mg/kg		0.14	mg/kg	0.000014 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.05	mg/kg		0.0465	mg/kg	0.00000465 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.63	mg/kg		0.587	mg/kg	0.0000587 %	✓	
27		anthracene		204-371-1	120-12-7		0.23	mg/kg		0.214	mg/kg	0.0000214 %	✓	
28		fluoranthene		205-912-4	206-44-0		1.24	mg/kg		1.154	mg/kg	0.000115 %	✓	
29		pyrene		204-927-3	129-00-0		1.08	mg/kg		1.005	mg/kg	0.000101 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.67	mg/kg		0.624	mg/kg	0.0000624 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.66	mg/kg		0.614	mg/kg	0.0000614 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.87	mg/kg		0.81	mg/kg	0.000081 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.34	mg/kg		0.317	mg/kg	0.0000317 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.61	mg/kg		0.568	mg/kg	0.0000568 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.48	mg/kg		0.447	mg/kg	0.0000447 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.13	mg/kg		0.121	mg/kg	0.0000121 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.38	mg/kg		0.354	mg/kg	0.0000354 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.11	mg/kg		0.102	mg/kg	0.0000102 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.121 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0101%)

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WAC results for sample: WS212-29/09/2022-0.00-0.60m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	4.67	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.78	100	-
7	pH	pH	8.63	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.28	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.05	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	6	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	15	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	<350	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS213-29/09/2022-0.00-0.50m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS213-29/09/2022-0.00-0.50m
Moisture content:
4.4%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.7 mg/kg	1.895	3.079 mg/kg	0.000308 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		9 mg/kg	1.117	9.606 mg/kg	0.000961 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.2 mg/kg	1.855	0.355 mg/kg	0.0000355 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16.2 mg/kg	1.462	22.635 mg/kg	0.00226 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		4 mg/kg	3.929	15.025 mg/kg	0.0015 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.3 mg/kg	1.5	1.864 mg/kg	0.000186 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		5.9 mg/kg	5.358	30.223 mg/kg	0.00302 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		7 mg/kg	1.245	8.33 mg/kg	0.000833 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	●	pH			PH		11.55	pH		11.55	pH	11.55 pH		
22	●	pH: acid/alkali reserve			ACID_ALK_RES		0.056	gNaOH		0.056	gNaOH	0.056 gNaOH		
23		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
24	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
25	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
29	●	fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30	●	pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
31		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
32		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
34		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
35		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
39	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
40	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
41		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
42	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.00911 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 4: Irritant - skin irritation and eye damage "waste which on application can cause skin irritation or damage to the eye"
Force this Hazardous Property to non-hazardous following: the acid/alkali reserve test indicate a low buffer capacity and No 'In vitro' testing undertaken (Not Hazardous by HP 4, HP 8) concrete - high pH. Evidence: Alkali reserve testing undertaken.

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 11.55 pH)

HP 8: Corrosive "waste which on application can cause skin corrosion"
Force this Hazardous Property to non-hazardous following: the acid/alkali reserve test indicate a low buffer capacity and No 'In vitro' testing undertaken (Not Hazardous by HP 4, HP 8) concrete - high pH. Evidence: Alkali reserve testing undertaken.

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 11.55 pH)

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WAC results for sample: WS213-29/09/2022-0.00-0.50m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.09	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	11.55	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.38	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.116	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.03	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	113	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	498	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	80	500	800
26	TDS (total dissolved solids)	mg/kg	3230	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS214-29/09/2022-0.00-0.50m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS214-29/09/2022-0.00-0.50m
Moisture content:
7.1%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.112 mg/kg	0.000111 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.7 mg/kg	1.895	4.752 mg/kg	0.000475 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		23 mg/kg	1.117	23.856 mg/kg	0.00239 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.517 mg/kg	0.0000517 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		55.6 mg/kg	1.462	75.493 mg/kg	0.00755 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		14 mg/kg	3.929	51.101 mg/kg	0.00511 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	15 mg/kg		13.935 mg/kg	0.00139 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.6 mg/kg	1.5	3.624 mg/kg	0.000362 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		9.9 mg/kg	5.358	49.281 mg/kg	0.00493 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		31 mg/kg	1.245	35.847 mg/kg	0.00358 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.98	pH		8.98	pH	8.98 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.05	mg/kg		0.0465	mg/kg	0.00000465 %	✓	
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.11	mg/kg		0.102	mg/kg	0.0000102 %	✓	
29		pyrene		204-927-3	129-00-0		0.11	mg/kg		0.102	mg/kg	0.0000102 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.09	mg/kg		0.0836	mg/kg	0.00000836 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.06	mg/kg		0.0557	mg/kg	0.00000557 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.09	mg/kg		0.0836	mg/kg	0.00000836 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.03	mg/kg		0.0279	mg/kg	0.00000279 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.04	mg/kg		0.0372	mg/kg	0.00000372 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.026 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: WS214-29/09/2022-0.00-0.50m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.14	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.98	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.069	0.5	2
10	barium	mg/kg	0.47	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.25	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.46	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	24	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	41	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	40	500	800
26	TDS (total dissolved solids)	mg/kg	970	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS215-29/09/2022-0.00-0.50m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS215-29/09/2022-0.00-0.50m
Moisture content:
3.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.15 mg/kg	0.000115 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.8 mg/kg	1.895	5.098 mg/kg	0.00051 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		69 mg/kg	1.117	74.034 mg/kg	0.0074 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.8 mg/kg	1.855	1.426 mg/kg	0.000143 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25 mg/kg	1.462	35.114 mg/kg	0.00351 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		37 mg/kg	3.929	139.705 mg/kg	0.014 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	69 mg/kg		66.309 mg/kg	0.00663 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.7 mg/kg	1.5	2.451 mg/kg	0.000245 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		7.8 mg/kg	5.358	40.165 mg/kg	0.00402 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		289 mg/kg	1.245	345.693 mg/kg	0.0346 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		173 mg/kg		166.253 mg/kg	0.0166 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.006	mg/kg		0.0057	mg/kg	0.000000577 %	✓	
21		pH			PH		8.42	pH		8.42	pH	8.42 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.12	mg/kg		0.115	mg/kg	0.0000115 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.24	mg/kg		0.231	mg/kg	0.0000231 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.04	mg/kg		0.0384	mg/kg	0.00000384 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.46	mg/kg		0.442	mg/kg	0.0000442 %	✓	
27		anthracene		204-371-1	120-12-7		0.12	mg/kg		0.115	mg/kg	0.0000115 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.96	mg/kg		0.923	mg/kg	0.0000923 %	✓	
29		pyrene		204-927-3	129-00-0		0.84	mg/kg		0.807	mg/kg	0.0000807 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.42	mg/kg		0.404	mg/kg	0.0000404 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.53	mg/kg		0.509	mg/kg	0.0000509 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.71	mg/kg		0.682	mg/kg	0.0000682 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.28	mg/kg		0.269	mg/kg	0.0000269 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.54	mg/kg		0.519	mg/kg	0.0000519 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.51	mg/kg		0.49	mg/kg	0.000049 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.09	mg/kg		0.0865	mg/kg	0.00000865 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.46	mg/kg		0.442	mg/kg	0.0000442 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.17	mg/kg		0.163	mg/kg	0.0000163 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0884 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.0166%)
xylene (conc.: 5.77e-07%)

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WAC results for sample: WS215-29/09/2022-0.00-0.50m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.33	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.49	100	-
7	pH	pH	8.42	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.033	0.5	2
10	barium	mg/kg	0.41	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.11	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	29	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	56	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	680	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-01-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-01-12/07/2024-0.00-1.00m
Moisture content:
6.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.6 mg/kg	1.895	4.601 mg/kg	0.00046 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		59 mg/kg	1.117	61.526 mg/kg	0.00615 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.693 mg/kg	0.0000693 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19.6 mg/kg	1.462	26.756 mg/kg	0.00268 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		12 mg/kg	3.929	44.037 mg/kg	0.0044 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	24 mg/kg		22.416 mg/kg	0.00224 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.9 mg/kg	1.5	2.662 mg/kg	0.000266 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		7.2 mg/kg	5.358	36.034 mg/kg	0.0036 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		293 mg/kg	1.245	340.631 mg/kg	0.0341 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		71 mg/kg		66.314 mg/kg	0.00663 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.035	mg/kg		0.0327	mg/kg	0.00000327 %	✓	
21		pH			PH		9.13	pH		9.13	pH	9.13 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0606 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.00663%)
xylene (conc.: 3.27e-06%)

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WAC results for sample: TP1-01-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.27	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.035	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	9.13	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.018	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	14	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	126	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	670	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-01-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-01-12/07/2024-1.00-2.00m
Moisture content:
2.5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 2.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.4 mg/kg	1.895	2.586 mg/kg	0.000259 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		13 mg/kg	1.117	14.152 mg/kg	0.00142 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.542 mg/kg	0.0000542 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15 mg/kg	1.462	21.375 mg/kg	0.00214 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		5 mg/kg	3.929	19.154 mg/kg	0.00192 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	8 mg/kg		7.8 mg/kg	0.00078 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.4 mg/kg	1.5	2.048 mg/kg	0.000205 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		4.4 mg/kg	5.358	22.987 mg/kg	0.0023 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		57 mg/kg	1.245	69.175 mg/kg	0.00692 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

RECEIVED: 19/09/2025

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.012	mg/kg		0.0117	mg/kg	0.00000117 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.99	pH		8.99	pH	8.99 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.016 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 1.17e-06%)

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WAC results for sample: TP1-01-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.13	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.99	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.05	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.03	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	9	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	48	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	570	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-01-12/07/2024-2.00-2.50m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-01-12/07/2024-2.00-2.50m
Moisture content:
4.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.1 mg/kg	1.895	5.603 mg/kg	0.00056 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		13 mg/kg	1.117	13.847 mg/kg	0.00138 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5 mg/kg	1.855	0.885 mg/kg	0.0000885 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15.7 mg/kg	1.462	21.891 mg/kg	0.00219 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		8 mg/kg	3.929	29.987 mg/kg	0.003 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	11 mg/kg		10.494 mg/kg	0.00105 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.8 mg/kg	1.5	4.007 mg/kg	0.000401 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		7.3 mg/kg	5.358	37.316 mg/kg	0.00373 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.436 mg/kg	0.000244 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		28 mg/kg	1.245	33.249 mg/kg	0.00332 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.008	mg/kg		0.0076	mg/kg	0.000000763 %	✓	
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21	●	pH			PH		9.13	pH		9.13	pH	9.13 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
28	●	fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
29	●	pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<**LOD**
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
37	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.016 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 7.63e-07%)

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WAC results for sample: TP1-01-12/07/2024-2.00-2.50m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.16	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	9.13	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.04	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	10	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	32	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	470	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-02-12/07/2024-0.80-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-02-12/07/2024-0.80-1.00m
Moisture content:
5.3%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4.1 mg/kg	1.895	7.356 mg/kg	0.000736 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		29 mg/kg	1.117	30.663 mg/kg	0.00307 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.7 mg/kg	1.855	1.229 mg/kg	0.000123 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16.5 mg/kg	1.462	22.838 mg/kg	0.00228 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		15 mg/kg	3.929	55.812 mg/kg	0.00558 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	42 mg/kg		39.774 mg/kg	0.00398 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.385 mg/kg	0.0000385 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.2 mg/kg	1.5	3.125 mg/kg	0.000313 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		10.8 mg/kg	5.358	54.803 mg/kg	0.00548 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2 mg/kg	2.554	4.837 mg/kg	0.000484 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		35 mg/kg	1.245	41.256 mg/kg	0.00413 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.006	mg/kg		0.0056	mg/kg	0.000000568 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.29	pH		8.29	pH	8.29 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.03	mg/kg		0.0284	mg/kg	0.00000284 %	✓	
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0262 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 5.68e-07%)

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WAC results for sample: TP1-02-12/07/2024-0.80-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.2	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.29	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.18	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.08	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	6	800	15,000
22	fluoride	mg/kg	3	10	150
23	sulphate	mg/kg	3759	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	6110	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-02-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-02-12/07/2024-1.00-2.00m
Moisture content:
2.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 2.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.5 mg/kg	1.895	4.613 mg/kg	0.000461 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		13 mg/kg	1.117	14.137 mg/kg	0.00141 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.6 mg/kg	1.855	1.084 mg/kg	0.000108 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15.8 mg/kg	1.462	22.492 mg/kg	0.00225 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		7 mg/kg	3.929	26.788 mg/kg	0.00268 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	8 mg/kg		7.792 mg/kg	0.000779 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.3 mg/kg	1.5	3.361 mg/kg	0.000336 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.5 mg/kg	5.358	44.362 mg/kg	0.00444 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2 mg/kg	2.554	4.975 mg/kg	0.000497 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		13 mg/kg	1.245	15.761 mg/kg	0.00158 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.011	mg/kg		0.0107	mg/kg	0.00000107 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.007	mg/kg		0.0068	mg/kg	0.000000682 %	✓	
21		pH			PH		8.4	pH		8.4	pH	8.4 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0145 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 1.07e-06%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 6.82e-07%)

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WAC results for sample: TP1-02-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.14	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.4	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.06	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.12	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	0.09	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	19	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	1891	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	3380	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-02-12/07/2024-2.00-2.60m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-02-12/07/2024-2.00-2.60m
Moisture content:
1.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 1.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.6 mg/kg	1.895	2.995 mg/kg	0.000299 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		8 mg/kg	1.117	8.825 mg/kg	0.000882 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.2 mg/kg	1.855	0.366 mg/kg	0.0000366 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14.8 mg/kg	1.462	21.371 mg/kg	0.00214 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		4 mg/kg	3.929	15.528 mg/kg	0.00155 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.6 mg/kg	1.5	2.371 mg/kg	0.000237 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		3.9 mg/kg	5.358	20.647 mg/kg	0.00206 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		9 mg/kg	1.245	11.068 mg/kg	0.00111 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.008	mg/kg		0.0079	mg/kg	0.00000079 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.4	pH		8.4	pH	8.4 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.00832 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 7.9e-07%)

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WAC results for sample: TP1-02-12/07/2024-2.00-2.60m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.92	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.4	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.05	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.08	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	60	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	1637	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	3209	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-03-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-03-12/07/2024-0.00-1.00m
Moisture content:
5.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4.4 mg/kg	1.895	7.902 mg/kg	0.00079 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		20 mg/kg	1.117	21.169 mg/kg	0.00212 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5 mg/kg	1.855	0.879 mg/kg	0.0000879 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17.5 mg/kg	1.462	24.247 mg/kg	0.00242 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		10 mg/kg	3.929	37.247 mg/kg	0.00372 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	15 mg/kg		14.22 mg/kg	0.00142 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.1 mg/kg	1.5	4.409 mg/kg	0.000441 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13.6 mg/kg	5.358	69.084 mg/kg	0.00691 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		3 mg/kg	2.554	7.263 mg/kg	0.000726 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		18 mg/kg	1.245	21.24 mg/kg	0.00212 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		178 mg/kg		168.744 mg/kg	0.0169 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.008	mg/kg		0.0075	mg/kg	0.000000758 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.33	pH		8.33	pH	8.33 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0376 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 7.58e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0169%)

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WAC results for sample: TP1-03-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.25	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	31	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.33	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.1	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.07	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	4	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	3441	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	5551	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-03-12/07/2024-1.00-2.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
TP1-03-12/07/2024-1.00-2.00m
Moisture content:
23.3%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 10: Toxic for reproduction "waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring"

Hazard Statements hit:

Repr. 1A; H360Df "May damage the unborn child. Suspected of damaging fertility."

Because of determinand:

lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.736%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

copper sulphate pentahydrate (compound conc.: 0.237%)
lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.736%)
zinc oxide (compound conc.: 0.741%)

Determinands

Moisture content: 23.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		115 mg/kg	1.197	105.59 mg/kg	0.0106 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				191 mg/kg	1.895	277.542 mg/kg	0.0278 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		1155 mg/kg	1.117	989.096 mg/kg	0.0989 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		50.1 mg/kg	1.855	71.265 mg/kg	0.00713 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		74.9 mg/kg	1.462	83.964 mg/kg	0.0084 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		787 mg/kg	3.929	2371.69 mg/kg	0.237 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	9593	mg/kg		7357.831	mg/kg	0.736 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		4	mg/kg	1.353	4.152	mg/kg	0.000415 %	✓	
11		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.6	mg/kg	1.5	5.293	mg/kg	0.000529 %	✓	
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		26	mg/kg	5.358	106.856	mg/kg	0.0107 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1	mg/kg	2.554	1.959	mg/kg	0.000196 %	✓	
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		7757	mg/kg	1.245	7405.574	mg/kg	0.741 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		379	mg/kg		290.693	mg/kg	0.0291 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.008	mg/kg		0.0061	mg/kg	0.000000614 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.02	pH		8.02	pH	8.02 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.17	mg/kg		0.13	mg/kg	0.000013 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.18	mg/kg		0.138	mg/kg	0.0000138 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		0.09	mg/kg		0.069	mg/kg	0.0000069 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.73	mg/kg		0.56	mg/kg	0.000056 %	✓	
27		anthracene		204-371-1	120-12-7		0.38	mg/kg		0.291	mg/kg	0.0000291 %	✓	
28		fluoranthene		205-912-4	206-44-0		1.72	mg/kg		1.319	mg/kg	0.000132 %	✓	
29		pyrene		204-927-3	129-00-0		1.39	mg/kg		1.066	mg/kg	0.000107 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.09	mg/kg		0.836	mg/kg	0.0000836 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		1.13	mg/kg		0.867	mg/kg	0.0000867 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.45	mg/kg		1.112	mg/kg	0.000111 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.56	mg/kg		0.43	mg/kg	0.000043 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.21	mg/kg		0.928	mg/kg	0.0000928 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.69	mg/kg		0.529	mg/kg	0.0000529 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
36		dibenz[a,h]anthracene				0.2	mg/kg		0.153	mg/kg	0.0000153 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				0.65	mg/kg		0.499	mg/kg	0.0000499 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				0.14	mg/kg		0.107	mg/kg	0.0000107 %	✓	
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	1.908 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 6.14e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0291%)

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WAC results for sample: TP1-03-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	1.29	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	226	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	100	-
7	pH	pH	8.02	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	1.52	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.07	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.69	0.5	10
18	antimony	mg/kg	0.12	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.21	4	50
21	chloride	mg/kg	21	800	15,000
22	fluoride	mg/kg	6	10	150
23	sulphate	mg/kg	380	1,000	20,000
24	phenol index	mg/kg	0.3	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	950	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-03-12/07/2024-2.00-3.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
TP1-03-12/07/2024-2.00-3.00m
Moisture content:
7.4%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.149%)
zinc oxide (compound conc.: 0.171%)

Determinands

Moisture content: 7.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		19 mg/kg	1.197	21.062 mg/kg	0.00211 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				37.9 mg/kg	1.895	66.489 mg/kg	0.00665 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		1317 mg/kg	1.117	1361.626 mg/kg	0.136 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		9.9 mg/kg	1.855	17.002 mg/kg	0.0017 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		79.3 mg/kg	1.462	107.325 mg/kg	0.0107 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		**<LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		157 mg/kg	3.929	571.214 mg/kg	0.0571 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	1609 mg/kg		1489.934 mg/kg	0.149 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.9 mg/kg	1.353	1.128 mg/kg	0.000113 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.9 mg/kg	1.5	6.807 mg/kg	0.000681 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		12.9	mg/kg	5.358	64.007	mg/kg	0.0064 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		1484	mg/kg	1.245	1710.466	mg/kg	0.171 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		66	mg/kg		61.116	mg/kg	0.00611 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.006	mg/kg		0.0055	mg/kg	0.000000556 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.04	pH		8.04	pH	8.04 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.08	mg/kg		0.0741	mg/kg	0.00000741 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.06	mg/kg		0.0556	mg/kg	0.00000556 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.25	mg/kg		0.231	mg/kg	0.0000231 %	✓	
27		anthracene		204-371-1	120-12-7		0.14	mg/kg		0.13	mg/kg	0.000013 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.62	mg/kg		0.574	mg/kg	0.0000574 %	✓	
29		pyrene		204-927-3	129-00-0		0.54	mg/kg		0.5	mg/kg	0.00005 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.41	mg/kg		0.38	mg/kg	0.000038 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.41	mg/kg		0.38	mg/kg	0.000038 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.5	mg/kg		0.463	mg/kg	0.0000463 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.19	mg/kg		0.176	mg/kg	0.0000176 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.39	mg/kg		0.361	mg/kg	0.0000361 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.25	mg/kg		0.231	mg/kg	0.0000231 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.06	mg/kg		0.0556	mg/kg	0.00000556 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.25	mg/kg		0.231	mg/kg	0.0000231 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		0.05	mg/kg		0.0463	mg/kg	0.00000463 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		601-035-00-X	205-910-3	205-82-3									
41		< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.548 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 5.56e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00611%)

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WAC results for sample: TP1-03-12/07/2024-2.00-3.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.85	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.2	100	-
7	pH	pH	8.04	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	1.28	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.04	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.38	0.5	10
18	antimony	mg/kg	0.22	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.07	4	50
21	chloride	mg/kg	21	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	456	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1090	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-04-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-04-12/07/2024-0.00-1.00m
Moisture content:
3.7%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.7% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.153 mg/kg	0.000115 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5.3 mg/kg	1.895	9.669 mg/kg	0.000967 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		33 mg/kg	1.117	35.481 mg/kg	0.00355 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.2 mg/kg	1.855	2.143 mg/kg	0.000214 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16.6 mg/kg	1.462	23.364 mg/kg	0.00234 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		17 mg/kg	3.929	64.323 mg/kg	0.00643 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	105 mg/kg		101.115 mg/kg	0.0101 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.5 mg/kg	1.5	2.167 mg/kg	0.000217 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		9.6 mg/kg	5.358	49.537 mg/kg	0.00495 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		125 mg/kg	1.245	149.832 mg/kg	0.015 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		86 mg/kg		82.818 mg/kg	0.00828 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.006	mg/kg		0.0057	mg/kg	0.000000578 %	✓	
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21	●	pH			PH		10.12	pH		10.12	pH	10.12 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26	●	phenanthrene		201-581-5	85-01-8		0.07	mg/kg		0.0674	mg/kg	0.00000674 %	✓	
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
28	●	fluoranthene		205-912-4	206-44-0		0.13	mg/kg		0.125	mg/kg	0.0000125 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.11	mg/kg		0.106	mg/kg	0.0000106 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.09	mg/kg		0.0867	mg/kg	0.00000867 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.08	mg/kg		0.077	mg/kg	0.0000077 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.09	mg/kg		0.0867	mg/kg	0.00000867 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.04	mg/kg		0.0385	mg/kg	0.00000385 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.08	mg/kg		0.077	mg/kg	0.0000077 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.06	mg/kg		0.0578	mg/kg	0.00000578 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.06	mg/kg		0.0578	mg/kg	0.00000578 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0522 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 5.78e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00828%)

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WAC results for sample: TP1-04-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.51	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.81	100	-
7	pH	pH	10.12	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.031	0.5	2
10	barium	mg/kg	0.19	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.04	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.04	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	23	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	283	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	770	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-04-12/07/2024-1.00-2.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
TP1-04-12/07/2024-1.00-2.00m
Moisture content:
7.1%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.223%)
zinc oxide (compound conc.: 0.156%)

Determinands

Moisture content: 7.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		23 mg/kg	1.197	25.578 mg/kg	0.00256 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				48.3 mg/kg	1.895	85.009 mg/kg	0.0085 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		426 mg/kg	1.117	441.862 mg/kg	0.0442 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		9.3 mg/kg	1.855	16.023 mg/kg	0.0016 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		91.9 mg/kg	1.462	124.78 mg/kg	0.0125 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		198 mg/kg	3.929	722.718 mg/kg	0.0723 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	2396 mg/kg		2225.884 mg/kg	0.223 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.9 mg/kg	1.353	1.132 mg/kg	0.000113 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.7 mg/kg	1.5	6.55 mg/kg	0.000655 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		32	mg/kg	5.358	159.292	mg/kg	0.0159 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		1353	mg/kg	1.245	1564.527	mg/kg	0.156 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		480	mg/kg		445.92	mg/kg	0.0446 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.011	mg/kg		0.0102	mg/kg	0.00000102 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.01	pH		8.01	pH	8.01 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.26	mg/kg		0.242	mg/kg	0.0000242 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.19	mg/kg		0.177	mg/kg	0.0000177 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
26		phenanthrene		201-581-5	85-01-8		1.09	mg/kg		1.013	mg/kg	0.000101 %	✓	
27		anthracene		204-371-1	120-12-7		0.42	mg/kg		0.39	mg/kg	0.000039 %	✓	
28		fluoranthene		205-912-4	206-44-0		2.26	mg/kg		2.1	mg/kg	0.00021 %	✓	
29		pyrene		204-927-3	129-00-0		1.94	mg/kg		1.802	mg/kg	0.00018 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.23	mg/kg		1.143	mg/kg	0.000114 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		1.27	mg/kg		1.18	mg/kg	0.000118 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.66	mg/kg		1.542	mg/kg	0.000154 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.64	mg/kg		0.595	mg/kg	0.0000595 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.39	mg/kg		1.291	mg/kg	0.000129 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.87	mg/kg		0.808	mg/kg	0.0000808 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.22	mg/kg		0.204	mg/kg	0.0000204 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.88	mg/kg		0.818	mg/kg	0.0000818 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		0.15	mg/kg		0.139	mg/kg	0.0000139 %	✓	

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#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
40		benzo[j]fluoranthene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		601-035-00-X	205-910-3	205-82-3							
41		< 2% non-natural materials (Yes/No)				Yes					
				NONNAT_MAT							
								Total:	0.583 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 1.02e-06%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0446%)

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WAC results for sample: TP1-04-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	1.53	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	196	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.57	100	-
7	pH	pH	8.01	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.53	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.1	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.28	0.5	10
18	antimony	mg/kg	0.15	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.15	4	50
21	chloride	mg/kg	20	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	2172	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	4180	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-04-12/07/2024-2.00-2.90m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
TP1-04-12/07/2024-2.00-2.90m
Moisture content:
11.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.15%)
zinc oxide (compound conc.: 0.11%)

Determinands

Moisture content: 11.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		19 mg/kg	1.197	20.107 mg/kg	0.00201 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				39.8 mg/kg	1.895	66.655 mg/kg	0.00667 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		415 mg/kg	1.117	409.601 mg/kg	0.041 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		6 mg/kg	1.855	9.837 mg/kg	0.000984 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		82 mg/kg	1.462	105.945 mg/kg	0.0106 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		191 mg/kg	3.929	663.397 mg/kg	0.0663 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	1696 mg/kg		1499.264 mg/kg	0.15 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.1 mg/kg	1.353	1.316 mg/kg	0.000132 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.2 mg/kg	1.5	6.896 mg/kg	0.00069 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		21.5	mg/kg	5.358	101.84	mg/kg	0.0102 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		1002	mg/kg	1.245	1102.528	mg/kg	0.11 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		512	mg/kg		452.608	mg/kg	0.0453 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.007	mg/kg		0.0061	mg/kg	0.000000619 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.006	mg/kg		0.0053	mg/kg	0.00000053 %	✓	
21		pH			PH		8.21	pH		8.21	pH	8.21 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.35	mg/kg		0.309	mg/kg	0.0000309 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.41	mg/kg		0.362	mg/kg	0.0000362 %	✓	
24		acenaphthene		201-469-6	83-32-9		0.12	mg/kg		0.106	mg/kg	0.0000106 %	✓	
25		fluorene		201-695-5	86-73-7		0.18	mg/kg		0.159	mg/kg	0.0000159 %	✓	
26		phenanthrene		201-581-5	85-01-8		2.11	mg/kg		1.865	mg/kg	0.000187 %	✓	
27		anthracene		204-371-1	120-12-7		0.87	mg/kg		0.769	mg/kg	0.0000769 %	✓	
28		fluoranthene		205-912-4	206-44-0		5.33	mg/kg		4.712	mg/kg	0.000471 %	✓	
29		pyrene		204-927-3	129-00-0		4.68	mg/kg		4.137	mg/kg	0.000414 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		3.74	mg/kg		3.306	mg/kg	0.000331 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		3.76	mg/kg		3.324	mg/kg	0.000332 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		5.87	mg/kg		5.189	mg/kg	0.000519 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		2.28	mg/kg		2.016	mg/kg	0.000202 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		5.29	mg/kg		4.676	mg/kg	0.000468 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		3.93	mg/kg		3.474	mg/kg	0.000347 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.01	mg/kg		0.893	mg/kg	0.0000893 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		3.57	mg/kg		3.156	mg/kg	0.000316 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.77	mg/kg		0.681	mg/kg	0.0000681 %	✓	

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#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
40		benzo[j]fluoranthene				2 mg/kg		1.768 mg/kg	0.000177 %	✓	
		601-035-00-X	205-910-3	205-82-3							
41		< 2% non-natural materials (Yes/No)				Yes					
				NONNAT_MAT							
								Total:	0.448 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 6.19e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.0453%)
xylene (conc.: 5.3e-07%)

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WAC results for sample: TP1-04-12/07/2024-2.00-2.90m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	2.33	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	83	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	44.27	100	-
7	pH	pH	8.21	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.42	20	100
11	cadmium	mg/kg	0.007	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	3.42	0.5	10
18	antimony	mg/kg	0.13	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.23	4	50
21	chloride	mg/kg	51	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	2804	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	5159	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-05-12/07/2024-0.00-1.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
TP1-05-12/07/2024-0.00-1.00m
Moisture content:
5.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.121%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.121%)

Determinands

Moisture content: 5.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.9 mg/kg	1.895	7.004 mg/kg	0.0007 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		50 mg/kg	1.117	52.922 mg/kg	0.00529 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.527 mg/kg	0.0000527 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		12.3 mg/kg	1.462	17.042 mg/kg	0.0017 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		15 mg/kg	3.929	55.871 mg/kg	0.00559 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	28	mg/kg		26.544	mg/kg	0.00265 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
11		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.6	mg/kg	1.5	2.275	mg/kg	0.000228 %	✓	
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.2	mg/kg	5.358	41.653	mg/kg	0.00417 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2	mg/kg	2.554	4.842	mg/kg	0.000484 %	✓	
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		31	mg/kg	1.245	36.58	mg/kg	0.00366 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		1272	mg/kg		1205.856	mg/kg	0.121 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.45	pH		8.45	pH	8.45 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		2.06	mg/kg		1.953	mg/kg	0.000195 %	✓	
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
24		acenaphthene		201-469-6	83-32-9		0.12	mg/kg		0.114	mg/kg	0.0000114 %	✓	
25		fluorene		201-695-5	86-73-7		0.33	mg/kg		0.313	mg/kg	0.0000313 %	✓	
26		phenanthrene		201-581-5	85-01-8		2.02	mg/kg		1.915	mg/kg	0.000191 %	✓	
27		anthracene		204-371-1	120-12-7		0.36	mg/kg		0.341	mg/kg	0.0000341 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.63	mg/kg		0.597	mg/kg	0.0000597 %	✓	
29		pyrene		204-927-3	129-00-0		0.61	mg/kg		0.578	mg/kg	0.0000578 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.44	mg/kg		0.417	mg/kg	0.0000417 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.4	mg/kg		0.379	mg/kg	0.0000379 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.33	mg/kg		0.313	mg/kg	0.0000313 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.13	mg/kg		0.123	mg/kg	0.0000123 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.2	mg/kg		0.19	mg/kg	0.000019 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.13	mg/kg		0.123	mg/kg	0.0000123 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
36		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				0.27	mg/kg		0.256	mg/kg	0.0000256 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.35	mg/kg		<0.35	mg/kg	<0.000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				0.07	mg/kg		0.0664	mg/kg	0.00000664 %	✓	
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.146 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.121%)

RECEIVED: 19/09/2025

WAC results for sample: TP1-05-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	34.06	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	1	-
5	Mineral oil (C10 to C40)	mg/kg	400	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.1	100	-
7	pH	pH	8.45	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.15	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	9	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	249	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	670	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: TP1-05-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-05-12/07/2024-1.00-2.00m
Moisture content:
7.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3 mg/kg	1.197	3.308 mg/kg	0.000331 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5.1 mg/kg	1.895	8.899 mg/kg	0.00089 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		89 mg/kg	1.117	91.519 mg/kg	0.00915 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.8 mg/kg	1.855	1.366 mg/kg	0.000137 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		84.5 mg/kg	1.462	113.745 mg/kg	0.0114 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		**<LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		34 mg/kg	3.929	123.034 mg/kg	0.0123 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	106 mg/kg		97.626 mg/kg	0.00976 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.374 mg/kg	0.0000374 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.1 mg/kg	1.5	7.047 mg/kg	0.000705 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13.5 mg/kg	5.358	66.623 mg/kg	0.00666 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.352 mg/kg	0.000235 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		150 mg/kg	1.245	171.957 mg/kg	0.0172 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		359 mg/kg		330.639 mg/kg	0.0331 %	✓	

RECEIVED: 19/09/2025

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.85	pH		8.85	pH	8.85 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.13	mg/kg		0.12	mg/kg	0.000012 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.14	mg/kg		0.129	mg/kg	0.0000129 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.05	mg/kg		0.046	mg/kg	0.0000046 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.45	mg/kg		0.414	mg/kg	0.0000414 %	✓	
27		anthracene		204-371-1	120-12-7		0.25	mg/kg		0.23	mg/kg	0.000023 %	✓	
28		fluoranthene		205-912-4	206-44-0		1.12	mg/kg		1.032	mg/kg	0.000103 %	✓	
29		pyrene		204-927-3	129-00-0		0.98	mg/kg		0.903	mg/kg	0.0000903 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.73	mg/kg		0.672	mg/kg	0.0000672 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.75	mg/kg		0.691	mg/kg	0.0000691 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.99	mg/kg		0.912	mg/kg	0.0000912 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.39	mg/kg		0.359	mg/kg	0.0000359 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.81	mg/kg		0.746	mg/kg	0.0000746 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.56	mg/kg		0.516	mg/kg	0.0000516 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.12	mg/kg		0.111	mg/kg	0.0000111 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.61	mg/kg		0.562	mg/kg	0.0000562 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.16	mg/kg		0.147	mg/kg	0.0000147 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.103 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0331%)

RECEIVED: 19/09/2025

WAC results for sample: TP1-05-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.9	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	102	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.24	100	-
7	pH	pH	8.85	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.27	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.04	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.05	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.04	4	50
21	chloride	mg/kg	8	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	95	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	550	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-05-12/07/2024-2.00-3.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-05-12/07/2024-2.00-3.00m
Moisture content:
5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				7.6 mg/kg	1.895	13.678 mg/kg	0.00137 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		56 mg/kg	1.117	59.398 mg/kg	0.00594 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.6 mg/kg	1.855	1.057 mg/kg	0.000106 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		54.1 mg/kg	1.462	75.117 mg/kg	0.00751 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		21 mg/kg	3.929	78.385 mg/kg	0.00784 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	94 mg/kg		89.3 mg/kg	0.00893 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.5 mg/kg	1.5	4.988 mg/kg	0.000499 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		10.2 mg/kg	5.358	51.922 mg/kg	0.00519 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		117 mg/kg	1.245	138.35 mg/kg	0.0138 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		257 mg/kg		244.15 mg/kg	0.0244 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.59	pH		8.59	pH	8.59 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.45	mg/kg		0.428	mg/kg	0.0000428 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.18	mg/kg		0.171	mg/kg	0.0000171 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		0.77	mg/kg		0.732	mg/kg	0.0000732 %	✓	
27		anthracene		204-371-1	120-12-7		0.24	mg/kg		0.228	mg/kg	0.0000228 %	✓	
28		fluoranthene		205-912-4	206-44-0		1.41	mg/kg		1.34	mg/kg	0.000134 %	✓	
29		pyrene		204-927-3	129-00-0		1.23	mg/kg		1.168	mg/kg	0.000117 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.88	mg/kg		0.836	mg/kg	0.0000836 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.92	mg/kg		0.874	mg/kg	0.0000874 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.16	mg/kg		1.102	mg/kg	0.00011 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.45	mg/kg		0.428	mg/kg	0.0000428 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.89	mg/kg		0.845	mg/kg	0.0000845 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.57	mg/kg		0.542	mg/kg	0.0000541 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.17	mg/kg		0.162	mg/kg	0.0000162 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.6	mg/kg		0.57	mg/kg	0.000057 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.11	mg/kg		0.105	mg/kg	0.0000105 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0766 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0244%)

RECEIVED: 19/09/2025

WAC results for sample: TP1-05-12/07/2024-2.00-3.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.47	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	56	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.03	100	-
7	pH	pH	8.59	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.55	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.11	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.05	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	10	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	122	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	570	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-05-12/07/2024-3.00-3.70m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-05-12/07/2024-3.00-3.70m
Moisture content:
4.4%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2 mg/kg	1.197	2.289 mg/kg	0.000229 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5.6 mg/kg	1.895	10.143 mg/kg	0.00101 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		98 mg/kg	1.117	104.603 mg/kg	0.0105 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.8 mg/kg	1.855	1.418 mg/kg	0.000142 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		83.6 mg/kg	1.462	116.81 mg/kg	0.0117 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		35 mg/kg	3.929	131.466 mg/kg	0.0131 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	168 mg/kg		160.608 mg/kg	0.0161 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.8 mg/kg	1.5	8.318 mg/kg	0.000832 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		10.3 mg/kg	5.358	52.762 mg/kg	0.00528 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		164 mg/kg	1.245	195.151 mg/kg	0.0195 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.007	mg/kg		0.0066	mg/kg	0.000000669 %	✓	
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21	●	pH			PH		9.26	pH		9.26	pH	9.26 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.09	mg/kg		0.086	mg/kg	0.0000086 %	✓	
23	●	acenaphthylene		205-917-1	208-96-8		0.07	mg/kg		0.0669	mg/kg	0.00000669 %	✓	
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26	●	phenanthrene		201-581-5	85-01-8		0.38	mg/kg		0.363	mg/kg	0.0000363 %	✓	
27	●	anthracene		204-371-1	120-12-7		0.19	mg/kg		0.182	mg/kg	0.0000182 %	✓	
28	●	fluoranthene		205-912-4	206-44-0		0.83	mg/kg		0.793	mg/kg	0.0000793 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.67	mg/kg		0.641	mg/kg	0.0000641 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.47	mg/kg		0.449	mg/kg	0.0000449 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.47	mg/kg		0.449	mg/kg	0.0000449 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.5	mg/kg		0.478	mg/kg	0.0000478 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.19	mg/kg		0.182	mg/kg	0.0000182 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.39	mg/kg		0.373	mg/kg	0.0000373 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.19	mg/kg		0.182	mg/kg	0.0000182 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.05	mg/kg		0.0478	mg/kg	0.00000478 %	✓	
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.2	mg/kg		0.191	mg/kg	0.0000191 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0788 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 6.69e-07%)

RECEIVED: 19/09/2025

WAC results for sample: TP1-05-12/07/2024-3.00-3.70m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.32	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.69	100	-
7	pH	pH	9.26	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.12	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.03	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	68	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	52	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	620	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-06-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-06-12/07/2024-0.00-1.00m
Moisture content:
7.7%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.7% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.105 mg/kg	0.00011 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5.1 mg/kg	1.895	8.918 mg/kg	0.000892 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		89 mg/kg	1.117	91.718 mg/kg	0.00917 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.5 mg/kg	1.855	2.568 mg/kg	0.000257 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		39.8 mg/kg	1.462	53.691 mg/kg	0.00537 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		31 mg/kg	3.929	112.422 mg/kg	0.0112 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	149 mg/kg		137.527 mg/kg	0.0138 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.2 mg/kg	1.353	0.25 mg/kg	0.000025 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.5 mg/kg	1.5	3.462 mg/kg	0.000346 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.2 mg/kg	5.358	40.555 mg/kg	0.00406 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		182 mg/kg	1.245	209.095 mg/kg	0.0209 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		390 mg/kg		359.97 mg/kg	0.036 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
17		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.012	mg/kg		0.0111	mg/kg	0.00000111 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				11.77	pH		11.77	pH	11.77 pH		
				PH									
22	●	pH: acid/alkali reserve				0.039	gNaOH		0.039	gNaOH	0.039 gNaOH		
				ACID_ALK_RES									
23		naphthalene				0.1	mg/kg		0.0923	mg/kg	0.00000923 %	✓	
		601-052-00-2	202-049-5	91-20-3									
24	●	acenaphthylene				0.1	mg/kg		0.0923	mg/kg	0.00000923 %	✓	
			205-917-1	208-96-8									
25	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
26	●	fluorene				0.05	mg/kg		0.0462	mg/kg	0.00000462 %	✓	
			201-695-5	86-73-7									
27	●	phenanthrene				0.41	mg/kg		0.378	mg/kg	0.0000378 %	✓	
			201-581-5	85-01-8									
28	●	anthracene				0.24	mg/kg		0.222	mg/kg	0.0000222 %	✓	
			204-371-1	120-12-7									
29	●	fluoranthene				1.26	mg/kg		1.163	mg/kg	0.000116 %	✓	
			205-912-4	206-44-0									
30	●	pyrene				1.13	mg/kg		1.043	mg/kg	0.000104 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.81	mg/kg		0.748	mg/kg	0.0000748 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.83	mg/kg		0.766	mg/kg	0.0000766 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				1.09	mg/kg		1.006	mg/kg	0.000101 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.43	mg/kg		0.397	mg/kg	0.0000397 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		benzo[a]pyrene; benzo[def]chrysene				0.92	mg/kg		0.849	mg/kg	0.0000849 %	✓	
		601-032-00-3	200-028-5	50-32-8									
36	●	indeno[123-cd]pyrene				0.57	mg/kg		0.526	mg/kg	0.0000526 %	✓	
			205-893-2	193-39-5									
37		dibenz[a,h]anthracene				0.15	mg/kg		0.138	mg/kg	0.0000138 %	✓	
		601-041-00-2	200-181-8	53-70-3									
38	●	benzo[ghi]perylene				0.56	mg/kg		0.517	mg/kg	0.0000517 %	✓	
			205-883-8	191-24-2									
39	●	polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
40	●	coronene				0.12	mg/kg		0.111	mg/kg	0.0000111 %	✓	
			205-881-7	191-07-1									
41		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
42	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.103 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 1.11e-06%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.036%)

HP 4: Irritant - skin irritation and eye damage "waste which on application can cause skin irritation or damage to the eye"
Force this Hazardous Property to non-hazardous following: the acid/alkali reserve test indicate a low buffer capacity and No 'In vitro' testing undertaken (Not Hazardous by HP 4, HP 8) concrete - high pH. Evidence: Alkali reserve testing undertaken.

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 11.77 pH)

HP 8: Corrosive "waste which on application can cause skin corrosion"
Force this Hazardous Property to non-hazardous following: the acid/alkali reserve test indicate a low buffer capacity and No 'In vitro' testing undertaken (Not Hazardous by HP 4, HP 8) concrete - high pH. Evidence: Alkali reserve testing undertaken.

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 11.77 pH)

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WAC results for sample: TP1-06-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.74	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	209	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.77	100	-
7	pH	pH	11.77	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.035	0.5	2
10	barium	mg/kg	0.15	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.054	0.5	10
13	copper	mg/kg	0.73	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.22	0.5	10
16	nickel	mg/kg	0.03	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.14	0.06	0.7
19	selenium	mg/kg	0.07	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	147	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	606	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	80	500	800
26	TDS (total dissolved solids)	mg/kg	2609	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: TP1-06-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-06-12/07/2024-1.00-2.00m
Moisture content:
5.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1	mg/kg	1.197	1.128	mg/kg	0.000113 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.1	mg/kg	1.895	1.963	mg/kg	0.000196 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		26	mg/kg	1.117	27.345	mg/kg	0.00273 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1	mg/kg	1.855	0.175	mg/kg	0.0000175 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		75	mg/kg	1.462	103.259	mg/kg	0.0103 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		11	mg/kg	3.929	40.713	mg/kg	0.00407 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	11	mg/kg		10.362	mg/kg	0.00104 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.6	mg/kg	1.5	6.501	mg/kg	0.00065 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		6.4	mg/kg	5.358	32.304	mg/kg	0.00323 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		42	mg/kg	1.245	49.246	mg/kg	0.00492 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52	mg/kg		<52	mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	●	pH			PH		9.24	pH		9.24	pH	9.24 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26	●	phenanthrene		201-581-5	85-01-8		0.03	mg/kg		0.0283	mg/kg	0.00000283 %	✓	
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28	●	fluoranthene		205-912-4	206-44-0		0.14	mg/kg		0.132	mg/kg	0.0000132 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.12	mg/kg		0.113	mg/kg	0.0000113 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.11	mg/kg		0.104	mg/kg	0.0000104 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.1	mg/kg		0.0942	mg/kg	0.00000942 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.1	mg/kg		0.0942	mg/kg	0.00000942 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.04	mg/kg		0.0377	mg/kg	0.00000377 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.07	mg/kg		0.0659	mg/kg	0.00000659 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.04	mg/kg		0.0377	mg/kg	0.00000377 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.04	mg/kg		0.0377	mg/kg	0.00000377 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0274 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: TP1-06-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.11	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.79	100	-
7	pH	pH	9.24	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.09	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	6	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	79	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	480	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-06-12/07/2024-2.00-3.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-06-12/07/2024-2.00-3.00m
Moisture content:
4.5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.5 mg/kg	1.895	4.523 mg/kg	0.000452 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		45 mg/kg	1.117	47.982 mg/kg	0.0048 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.708 mg/kg	0.0000708 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		59.8 mg/kg	1.462	83.468 mg/kg	0.00835 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		16 mg/kg	3.929	60.036 mg/kg	0.006 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	52 mg/kg		49.66 mg/kg	0.00497 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.7 mg/kg	1.5	5.301 mg/kg	0.00053 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		6.6 mg/kg	5.358	33.773 mg/kg	0.00338 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		81 mg/kg	1.245	96.285 mg/kg	0.00963 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		147 mg/kg		140.385 mg/kg	0.014 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		10.47	pH		10.47	pH	10.47 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.09	mg/kg		0.0859	mg/kg	0.00000859 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.2	mg/kg		0.191	mg/kg	0.0000191 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		0.56	mg/kg		0.535	mg/kg	0.0000535 %	✓	
27		anthracene		204-371-1	120-12-7		0.34	mg/kg		0.325	mg/kg	0.0000325 %	✓	
28		fluoranthene		205-912-4	206-44-0		2.25	mg/kg		2.149	mg/kg	0.000215 %	✓	
29		pyrene		204-927-3	129-00-0		1.98	mg/kg		1.891	mg/kg	0.000189 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.12	mg/kg		1.07	mg/kg	0.000107 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		1.18	mg/kg		1.127	mg/kg	0.000113 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.24	mg/kg		1.184	mg/kg	0.000118 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.48	mg/kg		0.458	mg/kg	0.0000458 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.97	mg/kg		0.926	mg/kg	0.0000926 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.54	mg/kg		0.516	mg/kg	0.0000516 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.14	mg/kg		0.134	mg/kg	0.0000134 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.57	mg/kg		0.544	mg/kg	0.0000544 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.12	mg/kg		0.115	mg/kg	0.0000115 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0533 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.014%)

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WAC results for sample: TP1-06-12/07/2024-2.00-3.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.11	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	100	-
7	pH	pH	10.47	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.036	0.5	2
10	barium	mg/kg	0.1	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.05	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	17	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	295	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	950	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-07-12/07/2024-0.00-1.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
TP1-07-12/07/2024-0.00-1.00m
Moisture content:
3.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.163%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.163%)

Determinands

Moisture content: 3.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.7 mg/kg	1.895	4.952 mg/kg	0.000495 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		115 mg/kg	1.117	124.289 mg/kg	0.0124 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1 mg/kg	1.855	1.795 mg/kg	0.00018 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29.8 mg/kg	1.462	42.161 mg/kg	0.00422 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		13 mg/kg	3.929	49.443 mg/kg	0.00494 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	32	mg/kg		30.976	mg/kg	0.0031 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
11		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.2	mg/kg	1.5	3.195	mg/kg	0.000319 %	✓	
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		9.8	mg/kg	5.358	50.831	mg/kg	0.00508 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		2049	mg/kg	1.245	2468.806	mg/kg	0.247 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		1681	mg/kg		1627.208	mg/kg	0.163 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		0.012	mg/kg		0.0116	mg/kg	0.00000116 %	✓	
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.144	mg/kg		0.139	mg/kg	0.0000139 %	✓	
21		pH			PH		10.21	pH		10.21	pH	10.21 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.51	mg/kg		0.494	mg/kg	0.0000494 %	✓	
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		0.23	mg/kg		0.223	mg/kg	0.0000223 %	✓	
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
28		fluoranthene		205-912-4	206-44-0		0.37	mg/kg		0.358	mg/kg	0.0000358 %	✓	
29		pyrene		204-927-3	129-00-0		0.32	mg/kg		0.31	mg/kg	0.000031 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.12	mg/kg		0.116	mg/kg	0.0000116 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.18	mg/kg		0.174	mg/kg	0.0000174 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.19	mg/kg		0.184	mg/kg	0.0000184 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.07	mg/kg		0.0678	mg/kg	0.00000678 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.14	mg/kg		0.136	mg/kg	0.0000136 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.1	mg/kg		0.0968	mg/kg	0.00000968 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
36		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				0.14	mg/kg		0.136	mg/kg	0.0000136 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.35	mg/kg		<0.35	mg/kg	<0.000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.441 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

ethylbenzene (conc.: 1.16e-06%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.163%)
xylene (conc.: 0.00001%)

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WAC results for sample: TP1-07-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.93	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.156	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	1	-
5	Mineral oil (C10 to C40)	mg/kg	590	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.37	100	-
7	pH	pH	10.21	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.16	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.029	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.04	4	50
21	chloride	mg/kg	14	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	261	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1110	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-07-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-07-12/07/2024-1.00-2.00m
Moisture content:
2.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 2.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.8 mg/kg	1.895	5.188 mg/kg	0.000519 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		13 mg/kg	1.117	14.195 mg/kg	0.00142 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.544 mg/kg	0.0000544 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14.2 mg/kg	1.462	20.298 mg/kg	0.00203 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		6 mg/kg	3.929	23.056 mg/kg	0.00231 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	5 mg/kg		4.89 mg/kg	0.000489 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.5 mg/kg	1.5	3.668 mg/kg	0.000367 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.5 mg/kg	5.358	44.544 mg/kg	0.00445 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		156 mg/kg	1.245	189.904 mg/kg	0.019 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		257 mg/kg		251.346 mg/kg	0.0251 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.005	mg/kg		0.0048	mg/kg	0.000000489 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		0.005	mg/kg		0.0048	mg/kg	0.000000489 %	✓	
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.056	mg/kg		0.0548	mg/kg	0.00000548 %	✓	
21		pH			PH		10.25	pH		10.25	pH	10.25 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.08	mg/kg		0.0782	mg/kg	0.00000782 %	✓	
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.07	mg/kg		0.0685	mg/kg	0.00000685 %	✓	
29		pyrene		204-927-3	129-00-0		0.06	mg/kg		0.0587	mg/kg	0.00000587 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.04	mg/kg		0.0391	mg/kg	0.00000391 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0558 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

toluene (conc.: 4.89e-07%)
ethylbenzene (conc.: 4.89e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.0251%)
xylene (conc.: 5.48e-06%)

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WAC results for sample: TP1-07-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.14	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.066	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	37	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	10.25	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.15	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.024	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.08	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	11	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	1625	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	3171	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-07-12/07/2024-2.00-2.70m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-07-12/07/2024-2.00-2.70m
Moisture content:
3.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.9 mg/kg	1.895	5.285 mg/kg	0.000529 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		19 mg/kg	1.117	20.407 mg/kg	0.00204 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		2.8 mg/kg	1.855	4.995 mg/kg	0.0005 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18.6 mg/kg	1.462	26.152 mg/kg	0.00262 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		11 mg/kg	3.929	41.577 mg/kg	0.00416 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	29 mg/kg		27.898 mg/kg	0.00279 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.4 mg/kg	1.353	0.521 mg/kg	0.0000521 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.7 mg/kg	1.5	3.897 mg/kg	0.00039 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		9.9 mg/kg	5.358	51.032 mg/kg	0.0051 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.457 mg/kg	0.000246 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		55 mg/kg	1.245	65.858 mg/kg	0.00659 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		78 mg/kg		75.036 mg/kg	0.0075 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.69	pH		8.69	pH	8.69 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.04	mg/kg		0.0385	mg/kg	0.00000385 %	✓	
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.08	mg/kg		0.077	mg/kg	0.0000077 %	✓	
29		pyrene		204-927-3	129-00-0		0.07	mg/kg		0.0673	mg/kg	0.00000673 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.05	mg/kg		0.0481	mg/kg	0.00000481 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.05	mg/kg		0.0481	mg/kg	0.00000481 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0325 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0075%)

RECEIVED: 19/09/2025

WAC results for sample: TP1-07-12/07/2024-2.00-2.70m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.25	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.69	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.04	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.1	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	22	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	291	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	810	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-08-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-08-12/07/2024-0.00-1.00m
Moisture content:
4.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.6 mg/kg	1.895	4.719 mg/kg	0.000472 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		20 mg/kg	1.117	21.392 mg/kg	0.00214 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.533 mg/kg	0.0000533 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		73.7 mg/kg	1.462	103.193 mg/kg	0.0103 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		14 mg/kg	3.929	52.696 mg/kg	0.00527 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	19 mg/kg		18.202 mg/kg	0.00182 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.2 mg/kg	1.5	4.599 mg/kg	0.00046 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13.3 mg/kg	5.358	68.272 mg/kg	0.00683 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		41 mg/kg	1.245	48.89 mg/kg	0.00489 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	●	pH			PH		8.58	pH		8.58	pH	8.58 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26	●	phenanthrene		201-581-5	85-01-8		0.07	mg/kg		0.0671	mg/kg	0.00000671 %	✓	
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28	●	fluoranthene		205-912-4	206-44-0		0.19	mg/kg		0.182	mg/kg	0.0000182 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.17	mg/kg		0.163	mg/kg	0.0000163 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.15	mg/kg		0.144	mg/kg	0.0000144 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.14	mg/kg		0.134	mg/kg	0.0000134 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.17	mg/kg		0.163	mg/kg	0.0000163 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.07	mg/kg		0.0671	mg/kg	0.00000671 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.14	mg/kg		0.134	mg/kg	0.0000134 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.08	mg/kg		0.0766	mg/kg	0.00000766 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.08	mg/kg		0.0766	mg/kg	0.00000766 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0324 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: TP1-08-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.26	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.26	100	-
7	pH	pH	8.58	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.04	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.04	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.03	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	3	10	150
23	sulphate	mg/kg	157	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	650	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-08-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-08-12/07/2024-1.00-2.00m
Moisture content:
2.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 2.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.7 mg/kg	1.895	3.137 mg/kg	0.000314 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		42 mg/kg	1.117	45.674 mg/kg	0.00457 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.1 mg/kg	1.855	<0.185 mg/kg	<0.0000185 %		<LOD
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		202.8 mg/kg	1.462	288.697 mg/kg	0.0289 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		19 mg/kg	3.929	72.711 mg/kg	0.00727 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	24 mg/kg		23.376 mg/kg	0.00234 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.8 mg/kg	1.5	8.475 mg/kg	0.000847 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		44.9 mg/kg	5.358	234.333 mg/kg	0.0234 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		87 mg/kg	1.245	105.475 mg/kg	0.0105 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	●	pH			PH		8.92	pH		8.92	pH	8.92 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26	●	phenanthrene		201-581-5	85-01-8		0.1	mg/kg		0.0974	mg/kg	0.00000974 %	✓	
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28	●	fluoranthene		205-912-4	206-44-0		0.17	mg/kg		0.166	mg/kg	0.0000166 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.15	mg/kg		0.146	mg/kg	0.0000146 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.11	mg/kg		0.107	mg/kg	0.0000107 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.1	mg/kg		0.0974	mg/kg	0.00000974 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.11	mg/kg		0.107	mg/kg	0.0000107 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.04	mg/kg		0.039	mg/kg	0.0000039 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.08	mg/kg		0.0779	mg/kg	0.00000779 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.05	mg/kg		0.0487	mg/kg	0.00000487 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.05	mg/kg		0.0487	mg/kg	0.00000487 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0783 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: TP1-08-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.12	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.96	100	-
7	pH	pH	8.92	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.09	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.17	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	101	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	450	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-08-12/07/2024-2.00-3.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-08-12/07/2024-2.00-3.00m
Moisture content:
1.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 1.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.7 mg/kg	1.895	5.054 mg/kg	0.000505 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		23 mg/kg	1.117	25.371 mg/kg	0.00254 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.1 mg/kg	1.855	<0.185 mg/kg	<0.0000185 %		<LOD
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		103.1 mg/kg	1.462	148.878 mg/kg	0.0149 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		19 mg/kg	3.929	73.756 mg/kg	0.00738 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	35 mg/kg		34.58 mg/kg	0.00346 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		6.6 mg/kg	1.5	9.782 mg/kg	0.000978 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13 mg/kg	5.358	68.822 mg/kg	0.00688 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		50 mg/kg	1.245	61.489 mg/kg	0.00615 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
17		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				8.6	pH		8.6	pH	8.6 pH		
				PH									
22		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
			205-917-1	208-96-8									
24	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
25	●	fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			201-695-5	86-73-7									
26	●	phenanthrene				0.1	mg/kg		0.0988	mg/kg	0.00000988 %	✓	
			201-581-5	85-01-8									
27	●	anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			204-371-1	120-12-7									
28	●	fluoranthene				0.21	mg/kg		0.207	mg/kg	0.0000207 %	✓	
			205-912-4	206-44-0									
29	●	pyrene				0.17	mg/kg		0.168	mg/kg	0.0000168 %	✓	
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.13	mg/kg		0.128	mg/kg	0.0000128 %	✓	
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.12	mg/kg		0.119	mg/kg	0.0000119 %	✓	
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.12	mg/kg		0.119	mg/kg	0.0000119 %	✓	
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.04	mg/kg		0.0395	mg/kg	0.00000395 %	✓	
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
35	●	indeno[123-cd]pyrene				0.05	mg/kg		0.0494	mg/kg	0.00000494 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				0.06	mg/kg		0.0593	mg/kg	0.00000593 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0429 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: TP1-08-12/07/2024-2.00-3.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	1.05	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1	100	-
7	pH	pH	8.6	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.16	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.09	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	41	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	400	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-08-12/07/2024-3.00-3.60m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-08-12/07/2024-3.00-3.60m
Moisture content:
5.4%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.1 mg/kg	1.895	3.764 mg/kg	0.000376 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		56 mg/kg	1.117	59.148 mg/kg	0.00591 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.1 mg/kg	1.855	<0.185 mg/kg	<0.0000185 %		<LOD
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		128 mg/kg	1.462	176.977 mg/kg	0.0177 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		30 mg/kg	3.929	111.507 mg/kg	0.0112 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	33 mg/kg		31.218 mg/kg	0.00312 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.5 mg/kg	1.5	4.967 mg/kg	0.000497 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		38.6 mg/kg	5.358	195.662 mg/kg	0.0196 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		72 mg/kg	1.245	84.78 mg/kg	0.00848 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	●	pH			PH		9.07	pH		9.07	pH	9.07 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26	●	phenanthrene		201-581-5	85-01-8		0.04	mg/kg		0.0378	mg/kg	0.00000378 %	✓	
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28	●	fluoranthene		205-912-4	206-44-0		0.12	mg/kg		0.114	mg/kg	0.0000114 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.15	mg/kg		0.142	mg/kg	0.0000142 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.1	mg/kg		0.0946	mg/kg	0.00000946 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.08	mg/kg		0.0757	mg/kg	0.00000757 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.09	mg/kg		0.0851	mg/kg	0.00000851 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.04	mg/kg		0.0378	mg/kg	0.00000378 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.04	mg/kg		0.0378	mg/kg	0.00000378 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.05	mg/kg		0.0473	mg/kg	0.00000473 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0669 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: TP1-08-12/07/2024-3.00-3.60m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.33	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.71	100	-
7	pH	pH	9.07	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.14	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	21	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	<350	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-09-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-09-12/07/2024-0.00-1.00m
Moisture content:
8.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3 mg/kg	1.197	3.272 mg/kg	0.000327 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				11.7 mg/kg	1.895	20.193 mg/kg	0.00202 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		113 mg/kg	1.117	114.936 mg/kg	0.0115 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		2.7 mg/kg	1.855	4.562 mg/kg	0.000456 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		46 mg/kg	1.462	61.248 mg/kg	0.00612 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		63 mg/kg	3.929	225.5 mg/kg	0.0226 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	440 mg/kg		400.84 mg/kg	0.0401 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.37 mg/kg	0.000037 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.7 mg/kg	1.5	3.69 mg/kg	0.000369 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.2 mg/kg	5.358	40.028 mg/kg	0.004 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		465 mg/kg	1.245	527.28 mg/kg	0.0527 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		309 mg/kg		281.499 mg/kg	0.0281 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.15	pH		8.15	pH	8.15 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.09	mg/kg		0.082	mg/kg	0.0000082 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.05	mg/kg		0.0455	mg/kg	0.00000456 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		0.21	mg/kg		0.191	mg/kg	0.0000191 %	✓	
27		anthracene		204-371-1	120-12-7		0.08	mg/kg		0.0729	mg/kg	0.00000729 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.5	mg/kg		0.455	mg/kg	0.0000455 %	✓	
29		pyrene		204-927-3	129-00-0		0.47	mg/kg		0.428	mg/kg	0.0000428 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.35	mg/kg		0.319	mg/kg	0.0000319 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.35	mg/kg		0.319	mg/kg	0.0000319 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.46	mg/kg		0.419	mg/kg	0.0000419 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.18	mg/kg		0.164	mg/kg	0.0000164 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.38	mg/kg		0.346	mg/kg	0.0000346 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.26	mg/kg		0.237	mg/kg	0.0000237 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.07	mg/kg		0.0638	mg/kg	0.00000638 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.27	mg/kg		0.246	mg/kg	0.0000246 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.07	mg/kg		0.0638	mg/kg	0.00000638 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.169 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0281%)

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WAC results for sample: TP1-09-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.84	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	86	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.79	100	-
7	pH	pH	8.15	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.065	0.5	2
10	barium	mg/kg	0.16	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	0.09	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.08	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.08	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	11	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	981	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	2381	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-09-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-09-12/07/2024-1.00-2.00m
Moisture content:
5.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2	mg/kg	1.197	2.26	mg/kg	0.000226 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				17.7	mg/kg	1.895	31.655	mg/kg	0.00317 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		77	mg/kg	1.117	81.157	mg/kg	0.00812 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.7	mg/kg	1.855	1.225	mg/kg	0.000123 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		123.8	mg/kg	1.462	170.808	mg/kg	0.0171 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		43	mg/kg	3.929	159.488	mg/kg	0.0159 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	173	mg/kg		163.312	mg/kg	0.0163 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.4	mg/kg	1.353	0.511	mg/kg	0.0000511 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.3	mg/kg	1.5	4.673	mg/kg	0.000467 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		25.9	mg/kg	5.358	131.009	mg/kg	0.0131 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		203	mg/kg	1.245	238.527	mg/kg	0.0239 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		483	mg/kg		455.952	mg/kg	0.0456 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
17		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.008	mg/kg		0.0075	mg/kg	$0^{.000000755}$ %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.005	mg/kg		0.0047	mg/kg	$0^{.000000472}$ %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				9.15	pH		9.15	pH	9.15 pH		
				PH									
22		naphthalene				0.17	mg/kg		0.16	mg/kg	0.000016 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.24	mg/kg		0.227	mg/kg	0.0000227 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
25	●	fluorene				0.08	mg/kg		0.0755	mg/kg	0.00000755 %	✓	
			201-695-5	86-73-7									
26	●	phenanthrene				0.94	mg/kg		0.887	mg/kg	0.0000887 %	✓	
			201-581-5	85-01-8									
27	●	anthracene				0.65	mg/kg		0.614	mg/kg	0.0000614 %	✓	
			204-371-1	120-12-7									
28	●	fluoranthene				2.93	mg/kg		2.766	mg/kg	0.000277 %	✓	
			205-912-4	206-44-0									
29	●	pyrene				2.51	mg/kg		2.369	mg/kg	0.000237 %	✓	
			204-927-3	129-00-0									
30		benzo[a]anthracene				1.65	mg/kg		1.558	mg/kg	0.000156 %	✓	
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				1.64	mg/kg		1.548	mg/kg	0.000155 %	✓	
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				2.04	mg/kg		1.926	mg/kg	0.000193 %	✓	
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.79	mg/kg		0.746	mg/kg	0.0000746 %	✓	
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				1.67	mg/kg		1.576	mg/kg	0.000158 %	✓	
		601-032-00-3	200-028-5	50-32-8									
35	●	indeno[123-cd]pyrene				0.97	mg/kg		0.916	mg/kg	0.0000916 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.25	mg/kg		0.236	mg/kg	0.0000236 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				1	mg/kg		0.944	mg/kg	0.0000944 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				0.19	mg/kg		0.179	mg/kg	0.0000179 %	✓	
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.146 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 7.55e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.0456%)
xylene (conc.: 4.72e-07%)

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WAC results for sample: TP1-09-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.78	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	70	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	17.72	100	-
7	pH	pH	9.15	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.045	0.5	2
10	barium	mg/kg	0.12	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	0.15	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.06	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	15	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	918	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	2209	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-09-12/07/2024-2.00-3.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-09-12/07/2024-2.00-3.00m
Moisture content:
4.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2	mg/kg	1.197	2.279	mg/kg	0.000228 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.9	mg/kg	1.895	5.23	mg/kg	0.000523 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		41	mg/kg	1.117	43.579	mg/kg	0.00436 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3	mg/kg	1.855	0.53	mg/kg	0.000053 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		105.7	mg/kg	1.462	147.071	mg/kg	0.0147 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		30	mg/kg	3.929	112.214	mg/kg	0.0112 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	57	mg/kg		54.264	mg/kg	0.00543 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.1	mg/kg	1.353	0.129	mg/kg	0.0000129 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.9	mg/kg	1.5	5.57	mg/kg	0.000557 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		20.3	mg/kg	5.358	103.553	mg/kg	0.0104 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		107	mg/kg	1.245	126.792	mg/kg	0.0127 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52	mg/kg		<52	mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.73	pH		8.73	pH	8.73 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.13	mg/kg		0.124	mg/kg	0.0000124 %	✓	
27		anthracene		204-371-1	120-12-7		0.05	mg/kg		0.0476	mg/kg	0.00000476 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.27	mg/kg		0.257	mg/kg	0.0000257 %	✓	
29		pyrene		204-927-3	129-00-0		0.24	mg/kg		0.228	mg/kg	0.0000228 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.17	mg/kg		0.162	mg/kg	0.0000162 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.17	mg/kg		0.162	mg/kg	0.0000162 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.19	mg/kg		0.181	mg/kg	0.0000181 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.08	mg/kg		0.0762	mg/kg	0.00000762 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.16	mg/kg		0.152	mg/kg	0.0000152 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.11	mg/kg		0.105	mg/kg	0.0000105 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		0.12	mg/kg		0.114	mg/kg	0.0000114 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0603 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: TP1-09-12/07/2024-2.00-3.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.26	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.69	100	-
7	pH	pH	8.73	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.028	0.5	2
10	barium	mg/kg	0.1	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	27	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	148	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	600	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-10-12/07/2024-0.00-1.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
TP1-10-12/07/2024-0.00-1.00m
Moisture content:
17.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.11%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.11%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.181%)
zinc oxide (compound conc.: 0.166%)

Determinands

Moisture content: 17.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		14 mg/kg	1.197	13.759 mg/kg	0.00138 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				35 mg/kg	1.895	54.439 mg/kg	0.00544 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		933 mg/kg	1.117	855.236 mg/kg	0.0855 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		13.4 mg/kg	1.855	20.403 mg/kg	0.00204 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		61	mg/kg	1.462	73.196	mg/kg	0.00732 %	✓	
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<LOD
8		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		307	mg/kg	3.929	990.306	mg/kg	0.099 %	✓	
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	2205	mg/kg		1810.305	mg/kg	0.181 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.9	mg/kg	1.353	1	mg/kg	0.0001 %	✓	
11		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.1	mg/kg	1.5	3.818	mg/kg	0.000382 %	✓	
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		15.3	mg/kg	5.358	67.307	mg/kg	0.00673 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		1627	mg/kg	1.245	1662.648	mg/kg	0.166 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		1340	mg/kg		1100.14	mg/kg	0.11 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.007	mg/kg		0.0057	mg/kg	0.000000575 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		7.38	pH		7.38	pH	7.38 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.48	mg/kg		0.394	mg/kg	0.0000394 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.21	mg/kg		0.172	mg/kg	0.0000172 %	✓	
24		acenaphthene		201-469-6	83-32-9		0.07	mg/kg		0.0575	mg/kg	0.00000575 %	✓	
25		fluorene		201-695-5	86-73-7		0.15	mg/kg		0.123	mg/kg	0.0000123 %	✓	
26		phenanthrene		201-581-5	85-01-8		1.21	mg/kg		0.993	mg/kg	0.0000993 %	✓	
27		anthracene		204-371-1	120-12-7		0.33	mg/kg		0.271	mg/kg	0.0000271 %	✓	
28		fluoranthene		205-912-4	206-44-0		1.9	mg/kg		1.56	mg/kg	0.000156 %	✓	
29		pyrene		204-927-3	129-00-0		1.69	mg/kg		1.387	mg/kg	0.000139 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.14	mg/kg		0.936	mg/kg	0.0000936 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		1.25	mg/kg		1.026	mg/kg	0.000103 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
32		benzo[b]fluoranthene				1.74	mg/kg		1.429	mg/kg	0.000143 %	✓	
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.67	mg/kg		0.55	mg/kg	0.000055 %	✓	
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				1.36	mg/kg		1.117	mg/kg	0.000112 %	✓	
		601-032-00-3	200-028-5	50-32-8									
35	●	indeno[123-cd]pyrene				1.02	mg/kg		0.837	mg/kg	0.0000837 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.19	mg/kg		0.156	mg/kg	0.0000156 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				1.02	mg/kg		0.837	mg/kg	0.0000837 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.35	mg/kg		<0.35	mg/kg	<0.000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				0.23	mg/kg		0.189	mg/kg	0.0000189 %	✓	
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.666 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 5.75e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.11%)

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WAC results for sample: TP1-10-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	9.58	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	1	-
5	Mineral oil (C10 to C40)	mg/kg	523	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.66	100	-
7	pH	pH	7.38	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.038	0.5	2
10	barium	mg/kg	0.42	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.17	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.24	0.5	10
18	antimony	mg/kg	0.74	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.85	4	50
21	chloride	mg/kg	10	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	843	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	2310	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-10-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-10-12/07/2024-1.00-2.00m
Moisture content:
15.4%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2 mg/kg	1.197	2.025 mg/kg	0.000203 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				11.4 mg/kg	1.895	18.272 mg/kg	0.00183 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		253 mg/kg	1.117	238.975 mg/kg	0.0239 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.9 mg/kg	1.855	1.412 mg/kg	0.000141 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43.4 mg/kg	1.462	53.663 mg/kg	0.00537 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		84 mg/kg	3.929	279.214 mg/kg	0.0279 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	429 mg/kg		362.934 mg/kg	0.0363 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.344 mg/kg	0.0000344 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.8 mg/kg	1.5	3.554 mg/kg	0.000355 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		10.9 mg/kg	5.358	49.411 mg/kg	0.00494 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		259 mg/kg	1.245	272.734 mg/kg	0.0273 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		708 mg/kg		598.968 mg/kg	0.0599 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.017	mg/kg		0.0144	mg/kg	0.00000144 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		7.54	pH		7.54	pH	7.54 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.37	mg/kg		0.313	mg/kg	0.0000313 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.35	mg/kg		0.296	mg/kg	0.0000296 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.12	mg/kg		0.102	mg/kg	0.0000102 %	✓	
26		phenanthrene		201-581-5	85-01-8		1.58	mg/kg		1.337	mg/kg	0.000134 %	✓	
27		anthracene		204-371-1	120-12-7		0.44	mg/kg		0.372	mg/kg	0.0000372 %	✓	
28		fluoranthene		205-912-4	206-44-0		3.31	mg/kg		2.8	mg/kg	0.00028 %	✓	
29		pyrene		204-927-3	129-00-0		2.82	mg/kg		2.386	mg/kg	0.000239 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.8	mg/kg		1.523	mg/kg	0.000152 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		2.01	mg/kg		1.7	mg/kg	0.00017 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2.74	mg/kg		2.318	mg/kg	0.000232 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		1.07	mg/kg		0.905	mg/kg	0.0000905 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		2.22	mg/kg		1.878	mg/kg	0.000188 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		1.49	mg/kg		1.261	mg/kg	0.000126 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.43	mg/kg		0.364	mg/kg	0.0000364 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		1.55	mg/kg		1.311	mg/kg	0.000131 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.35	mg/kg		<0.35	mg/kg	<0.000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.35	mg/kg		0.296	mg/kg	0.0000296 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.19 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 1.44e-06%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0599%)

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WAC results for sample: TP1-10-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.6	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	1	-
5	Mineral oil (C10 to C40)	mg/kg	135	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	22.65	100	-
7	pH	pH	7.54	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.117	0.5	2
10	barium	mg/kg	0.19	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.026	0.5	10
13	copper	mg/kg	0.13	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.07	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.05	4	50
21	chloride	mg/kg	10	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	296	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1339	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-10-12/07/2024-2.00-3.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-10-12/07/2024-2.00-3.00m
Moisture content:
12.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		6	mg/kg	1.197	6.278	mg/kg	0.000628 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				28.9	mg/kg	1.895	47.853	mg/kg	0.00479 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		85	mg/kg	1.117	82.945	mg/kg	0.00829 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.1	mg/kg	1.855	1.783	mg/kg	0.000178 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		41.5	mg/kg	1.462	53.012	mg/kg	0.0053 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		81	mg/kg	3.929	278.153	mg/kg	0.0278 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	253	mg/kg		221.122	mg/kg	0.0221 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.4	mg/kg	1.353	0.473	mg/kg	0.0000473 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3	mg/kg	1.5	3.933	mg/kg	0.000393 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13.6	mg/kg	5.358	63.691	mg/kg	0.00637 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		218	mg/kg	1.245	237.158	mg/kg	0.0237 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		547	mg/kg		478.078	mg/kg	0.0478 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		0.011	mg/kg		0.0096	mg/kg	0.000000961 %	✓	
18		toluene	601-021-00-3	203-625-9	108-88-3		0.015	mg/kg		0.0131	mg/kg	0.00000131 %	✓	
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21	●	pH			PH		8.15	pH		8.15	pH	8.15 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.54	mg/kg		0.472	mg/kg	0.0000472 %	✓	
23	●	acenaphthylene		205-917-1	208-96-8		0.51	mg/kg		0.446	mg/kg	0.0000446 %	✓	
24	●	acenaphthene		201-469-6	83-32-9		0.29	mg/kg		0.253	mg/kg	0.0000253 %	✓	
25	●	fluorene		201-695-5	86-73-7		0.33	mg/kg		0.288	mg/kg	0.0000288 %	✓	
26	●	phenanthrene		201-581-5	85-01-8		3.34	mg/kg		2.919	mg/kg	0.000292 %	✓	
27	●	anthracene		204-371-1	120-12-7		1.78	mg/kg		1.556	mg/kg	0.000156 %	✓	
28	●	fluoranthene		205-912-4	206-44-0		7.97	mg/kg		6.966	mg/kg	0.000697 %	✓	
29	●	pyrene		204-927-3	129-00-0		6.75	mg/kg		5.9	mg/kg	0.00059 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		4.7	mg/kg		4.108	mg/kg	0.000411 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		4.43	mg/kg		3.872	mg/kg	0.000387 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		5.64	mg/kg		4.929	mg/kg	0.000493 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		2.2	mg/kg		1.923	mg/kg	0.000192 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		4.94	mg/kg		4.318	mg/kg	0.000432 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		2.93	mg/kg		2.561	mg/kg	0.000256 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.81	mg/kg		0.708	mg/kg	0.0000708 %	✓	
37	●	benzo[ghi]perylene		205-883-8	191-24-2		3.19	mg/kg		2.788	mg/kg	0.000279 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		0.73	mg/kg		0.638	mg/kg	0.0000638 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.152 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

benzene (conc.: 9.61e-07%)
toluene (conc.: 1.31e-06%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0478%)

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WAC results for sample: TP1-10-12/07/2024-2.00-3.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	6.81	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.026	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	137	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	51.08	100	-
7	pH	pH	8.15	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.07	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.03	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	12	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	221	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1050	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-10-12/07/2024-3.00-4.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-10-12/07/2024-3.00-4.00m
Moisture content:
14.4%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2	mg/kg	1.197	2.049	mg/kg	0.000205 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				9.2	mg/kg	1.895	14.92	mg/kg	0.00149 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		111	mg/kg	1.117	106.086	mg/kg	0.0106 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5	mg/kg	1.855	0.794	mg/kg	0.0000794 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		63.3	mg/kg	1.462	79.194	mg/kg	0.00792 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		100	mg/kg	3.929	336.327	mg/kg	0.0336 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	192	mg/kg		164.352	mg/kg	0.0164 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.1	mg/kg	1.353	0.116	mg/kg	0.0000116 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.4	mg/kg	1.5	5.65	mg/kg	0.000565 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		43.7	mg/kg	5.358	200.44	mg/kg	0.02 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		157	mg/kg	1.245	167.28	mg/kg	0.0167 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		876	mg/kg		749.856	mg/kg	0.075 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.011	mg/kg		0.0094	mg/kg	0.000000942 %	✓	
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21	●	pH			PH		8.21	pH		8.21	pH	8.21 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.58	mg/kg		0.496	mg/kg	0.0000496 %	✓	
23	●	acenaphthylene		205-917-1	208-96-8		2.15	mg/kg		1.84	mg/kg	0.000184 %	✓	
24	●	acenaphthene		201-469-6	83-32-9		0.26	mg/kg		0.223	mg/kg	0.0000223 %	✓	
25	●	fluorene		201-695-5	86-73-7		1.1	mg/kg		0.942	mg/kg	0.0000942 %	✓	
26	●	phenanthrene		201-581-5	85-01-8		11.18	mg/kg		9.57	mg/kg	0.000957 %	✓	
27	●	anthracene		204-371-1	120-12-7		3.74	mg/kg		3.201	mg/kg	0.00032 %	✓	
28	●	fluoranthene		205-912-4	206-44-0		20.26	mg/kg		17.343	mg/kg	0.00173 %	✓	
29	●	pyrene		204-927-3	129-00-0		16.47	mg/kg		14.098	mg/kg	0.00141 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		9.78	mg/kg		8.372	mg/kg	0.000837 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		8.54	mg/kg		7.31	mg/kg	0.000731 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		11.25	mg/kg		9.63	mg/kg	0.000963 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		4.37	mg/kg		3.741	mg/kg	0.000374 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		9.81	mg/kg		8.397	mg/kg	0.00084 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		6.7	mg/kg		5.735	mg/kg	0.000574 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.59	mg/kg		1.361	mg/kg	0.000136 %	✓	
37	●	benzo[ghi]perylene		205-883-8	191-24-2		6.82	mg/kg		5.838	mg/kg	0.000584 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.35	mg/kg		<0.35	mg/kg	<0.000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		1.31	mg/kg		1.121	mg/kg	0.000112 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		5	mg/kg		4.28	mg/kg	0.000428 %	✓	
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.193 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 9.42e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.075%)

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WAC results for sample: TP1-10-12/07/2024-3.00-4.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	3.43	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	1	-
5	Mineral oil (C10 to C40)	mg/kg	136	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	115.91	100	-
7	pH	pH	8.21	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.08	0.5	2
10	barium	mg/kg	0.06	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.08	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	127	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	282	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1320	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-11-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-11-12/07/2024-0.00-1.00m
Moisture content:
4.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1	mg/kg	1.197	<1.197	mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.7	mg/kg	1.895	4.88	mg/kg	0.000488 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		14	mg/kg	1.117	14.912	mg/kg	0.00149 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4	mg/kg	1.855	0.708	mg/kg	0.0000708 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15.2	mg/kg	1.462	21.194	mg/kg	0.00212 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		7	mg/kg	3.929	26.238	mg/kg	0.00262 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	6	mg/kg		5.724	mg/kg	0.000572 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2	mg/kg	1.5	2.862	mg/kg	0.000286 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		9.6	mg/kg	5.358	49.074	mg/kg	0.00491 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		11	mg/kg	1.245	13.062	mg/kg	0.00131 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		851	mg/kg		811.854	mg/kg	0.0812 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		0.006	mg/kg		0.0057	mg/kg	0.000000572 %	✓	
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.9	pH		8.9	pH	8.9 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		0.04	mg/kg		0.0382	mg/kg	0.00000382 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		0.06	mg/kg		0.0572	mg/kg	0.00000572 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.35	mg/kg		<0.35	mg/kg	<0.000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0951 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 5.72e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0812%)

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WAC results for sample: TP1-11-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.43	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	1	-
5	Mineral oil (C10 to C40)	mg/kg	246	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.9	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.06	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	3	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	34	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	<350	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-11-12/07/2024-1.00-1.70m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-11-12/07/2024-1.00-1.70m
Moisture content:
6.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4 mg/kg	1.895	7.063 mg/kg	0.000706 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		50 mg/kg	1.117	52.029 mg/kg	0.0052 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.2 mg/kg	1.855	0.346 mg/kg	0.0000346 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		97.4 mg/kg	1.462	132.675 mg/kg	0.0133 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		36 mg/kg	3.929	131.828 mg/kg	0.0132 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	53 mg/kg		49.396 mg/kg	0.00494 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4 mg/kg	1.5	5.593 mg/kg	0.000559 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		23 mg/kg	5.358	114.861 mg/kg	0.0115 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		96 mg/kg	1.245	111.367 mg/kg	0.0111 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		176 mg/kg		164.032 mg/kg	0.0164 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		9.06	pH		9.06	pH	9.06 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.05	mg/kg		0.0466	mg/kg	0.00000466 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.04	mg/kg		0.0373	mg/kg	0.00000373 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		0.19	mg/kg		0.177	mg/kg	0.0000177 %	✓	
27		anthracene		204-371-1	120-12-7		0.06	mg/kg		0.0559	mg/kg	0.00000559 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.44	mg/kg		0.41	mg/kg	0.000041 %	✓	
29		pyrene		204-927-3	129-00-0		0.4	mg/kg		0.373	mg/kg	0.0000373 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.29	mg/kg		0.27	mg/kg	0.000027 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.29	mg/kg		0.27	mg/kg	0.000027 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.37	mg/kg		0.345	mg/kg	0.0000345 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.15	mg/kg		0.14	mg/kg	0.000014 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.3	mg/kg		0.28	mg/kg	0.000028 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.2	mg/kg		0.186	mg/kg	0.0000186 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.05	mg/kg		0.0466	mg/kg	0.00000466 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.19	mg/kg		0.177	mg/kg	0.0000177 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.04	mg/kg		0.0373	mg/kg	0.00000373 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0772 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0164%)

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WAC results for sample: TP1-11-12/07/2024-1.00-1.70m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.53	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	40	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.06	100	-
7	pH	pH	9.06	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.08	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.07	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	8	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	154	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	530	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-12-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-12-12/07/2024-0.00-1.00m
Moisture content:
9.4%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 9.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5.4 mg/kg	1.895	9.269 mg/kg	0.000927 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		137 mg/kg	1.117	138.583 mg/kg	0.0139 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.504 mg/kg	0.0000504 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		101.4 mg/kg	1.462	134.271 mg/kg	0.0134 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		50 mg/kg	3.929	177.986 mg/kg	0.0178 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	128 mg/kg		115.968 mg/kg	0.0116 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.4 mg/kg	1.353	0.491 mg/kg	0.0000491 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.5 mg/kg	1.5	6.116 mg/kg	0.000612 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		22 mg/kg	5.358	106.802 mg/kg	0.0107 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		136 mg/kg	1.245	153.369 mg/kg	0.0153 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		484 mg/kg		438.504 mg/kg	0.0439 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.59	pH		8.59	pH	8.59 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.24	mg/kg		0.217	mg/kg	0.0000217 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.45	mg/kg		0.408	mg/kg	0.0000408 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.1	mg/kg		0.0906	mg/kg	0.00000906 %	✓	
26		phenanthrene		201-581-5	85-01-8		1.45	mg/kg		1.314	mg/kg	0.000131 %	✓	
27		anthracene		204-371-1	120-12-7		0.94	mg/kg		0.852	mg/kg	0.0000852 %	✓	
28		fluoranthene		205-912-4	206-44-0		5.45	mg/kg		4.938	mg/kg	0.000494 %	✓	
29		pyrene		204-927-3	129-00-0		4.43	mg/kg		4.014	mg/kg	0.000401 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		3.21	mg/kg		2.908	mg/kg	0.000291 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		3.18	mg/kg		2.881	mg/kg	0.000288 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		3.75	mg/kg		3.398	mg/kg	0.00034 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		1.46	mg/kg		1.323	mg/kg	0.000132 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		2.96	mg/kg		2.682	mg/kg	0.000268 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		1.85	mg/kg		1.676	mg/kg	0.000168 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.45	mg/kg		0.408	mg/kg	0.0000408 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		1.79	mg/kg		1.622	mg/kg	0.000162 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.35	mg/kg		0.317	mg/kg	0.0000317 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		2	mg/kg		1.812	mg/kg	0.000181 %	✓	
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.131 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0439%)

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WAC results for sample: TP1-12-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	1.59	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	98	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	32.06	100	-
7	pH	pH	8.59	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.27	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.11	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.03	4	50
21	chloride	mg/kg	12	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	272	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	910	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-12-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-12-12/07/2024-1.00-2.00m
Moisture content:
13.1%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3 mg/kg	1.197	3.121 mg/kg	0.000312 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				6.6 mg/kg	1.895	10.866 mg/kg	0.00109 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		193 mg/kg	1.117	187.257 mg/kg	0.0187 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5 mg/kg	1.855	0.806 mg/kg	0.0000806 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		127.8 mg/kg	1.462	162.318 mg/kg	0.0162 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		89 mg/kg	3.929	303.877 mg/kg	0.0304 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	217 mg/kg		188.573 mg/kg	0.0189 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.1 mg/kg	1.353	1.294 mg/kg	0.000129 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.7 mg/kg	1.5	4.824 mg/kg	0.000482 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		33.3 mg/kg	5.358	155.057 mg/kg	0.0155 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		183 mg/kg	1.245	197.943 mg/kg	0.0198 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		558 mg/kg		484.902 mg/kg	0.0485 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.008	mg/kg		0.0069	mg/kg	0.000000695 %	✓	
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.007	mg/kg		0.006	mg/kg	0.000000608 %	✓	
21	●	pH			PH		8.29	pH		8.29	pH	8.29 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.26	mg/kg		0.226	mg/kg	0.0000226 %	✓	
23	●	acenaphthylene		205-917-1	208-96-8		0.51	mg/kg		0.443	mg/kg	0.0000443 %	✓	
24	●	acenaphthene		201-469-6	83-32-9		0.07	mg/kg		0.0608	mg/kg	0.00000608 %	✓	
25	●	fluorene		201-695-5	86-73-7		0.16	mg/kg		0.139	mg/kg	0.0000139 %	✓	
26	●	phenanthrene		201-581-5	85-01-8		1.67	mg/kg		1.451	mg/kg	0.000145 %	✓	
27	●	anthracene		204-371-1	120-12-7		1.18	mg/kg		1.025	mg/kg	0.000103 %	✓	
28	●	fluoranthene		205-912-4	206-44-0		5.9	mg/kg		5.127	mg/kg	0.000513 %	✓	
29	●	pyrene		204-927-3	129-00-0		4.9	mg/kg		4.258	mg/kg	0.000426 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		3.78	mg/kg		3.285	mg/kg	0.000328 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		3.77	mg/kg		3.276	mg/kg	0.000328 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		4.52	mg/kg		3.928	mg/kg	0.000393 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		1.76	mg/kg		1.529	mg/kg	0.000153 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		3.66	mg/kg		3.181	mg/kg	0.000318 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		2.23	mg/kg		1.938	mg/kg	0.000194 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.62	mg/kg		0.539	mg/kg	0.0000539 %	✓	
37	●	benzo[ghi]perylene		205-883-8	191-24-2		1.98	mg/kg		1.721	mg/kg	0.000172 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		0.48	mg/kg		0.417	mg/kg	0.0000417 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		2	mg/kg		1.738	mg/kg	0.000174 %	✓	
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.174 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 6.95e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.0485%)
xylene (conc.: 6.08e-07%)

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WAC results for sample: TP1-12-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	2.18	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	75	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	37.45	100	-
7	pH	pH	8.29	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.36	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.09	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	19	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	2515	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	4759	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-12-12/07/2024-2.00-3.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-12-12/07/2024-2.00-3.00m
Moisture content:
16.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2 mg/kg	1.197	1.99 mg/kg	0.000199 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				8.9 mg/kg	1.895	14.012 mg/kg	0.0014 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		275 mg/kg	1.117	255.15 mg/kg	0.0255 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5 mg/kg	1.855	0.771 mg/kg	0.0000771 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		89.8 mg/kg	1.462	109.067 mg/kg	0.0109 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		98 mg/kg	3.929	319.974 mg/kg	0.032 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	293 mg/kg		243.483 mg/kg	0.0243 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.2 mg/kg	1.353	1.35 mg/kg	0.000135 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.2 mg/kg	1.5	6.483 mg/kg	0.000648 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		18.5 mg/kg	5.358	82.376 mg/kg	0.00824 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		223 mg/kg	1.245	230.662 mg/kg	0.0231 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		1094 mg/kg		909.114 mg/kg	0.0909 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.34	pH		8.34	pH	8.34 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.32	mg/kg		0.266	mg/kg	0.0000266 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.97	mg/kg		0.806	mg/kg	0.0000806 %	✓	
24		acenaphthene		201-469-6	83-32-9		0.1	mg/kg		0.0831	mg/kg	0.00000831 %	✓	
25		fluorene		201-695-5	86-73-7		0.42	mg/kg		0.349	mg/kg	0.0000349 %	✓	
26		phenanthrene		201-581-5	85-01-8		3.97	mg/kg		3.299	mg/kg	0.00033 %	✓	
27		anthracene		204-371-1	120-12-7		3.51	mg/kg		2.917	mg/kg	0.000292 %	✓	
28		fluoranthene		205-912-4	206-44-0		14.1	mg/kg		11.717	mg/kg	0.00117 %	✓	
29		pyrene		204-927-3	129-00-0		11.32	mg/kg		9.407	mg/kg	0.000941 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		7.81	mg/kg		6.49	mg/kg	0.000649 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		7.48	mg/kg		6.216	mg/kg	0.000622 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		8.07	mg/kg		6.706	mg/kg	0.000671 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.14	mg/kg		2.609	mg/kg	0.000261 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		6.51	mg/kg		5.41	mg/kg	0.000541 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		3.61	mg/kg		3	mg/kg	0.0003 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.17	mg/kg		0.972	mg/kg	0.0000972 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		3.32	mg/kg		2.759	mg/kg	0.000276 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.82	mg/kg		0.681	mg/kg	0.0000681 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		4	mg/kg		3.324	mg/kg	0.000332 %	✓	
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.224 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0909%)

RECEIVED: 19/09/2025

WAC results for sample: TP1-12-12/07/2024-2.00-3.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	2.53	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	217	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	76.64	100	-
7	pH	pH	8.34	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.39	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.1	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.04	4	50
21	chloride	mg/kg	84	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	3457	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	6520	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: TP1-12-12/07/2024-3.00-3.60m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-12-12/07/2024-3.00-3.60m
Moisture content:
20.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 20.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2	mg/kg	1.197	1.911	mg/kg	0.000191 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				10.1	mg/kg	1.895	15.269	mg/kg	0.00153 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		311	mg/kg	1.117	277.092	mg/kg	0.0277 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.6	mg/kg	1.855	0.888	mg/kg	0.0000888 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		76.9	mg/kg	1.462	89.69	mg/kg	0.00897 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		117	mg/kg	3.929	366.84	mg/kg	0.0367 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	308	mg/kg		245.784	mg/kg	0.0246 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.7	mg/kg	1.353	1.836	mg/kg	0.000184 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5	mg/kg	1.5	5.986	mg/kg	0.000599 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		19.8	mg/kg	5.358	84.664	mg/kg	0.00847 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		243	mg/kg	1.245	241.367	mg/kg	0.0241 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		1014	mg/kg		809.172	mg/kg	0.0809 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
17		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.008	mg/kg		0.0063	mg/kg	0.000000638 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
22		naphthalene				0.39	mg/kg		0.311	mg/kg	0.0000311 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.76	mg/kg		0.606	mg/kg	0.0000606 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.09	mg/kg		0.0718	mg/kg	0.00000718 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.29	mg/kg		0.231	mg/kg	0.0000231 %	✓	
			201-695-5	86-73-7									
26	●	phenanthrene				2.51	mg/kg		2.003	mg/kg	0.0002 %	✓	
			201-581-5	85-01-8									
27	●	anthracene				1.93	mg/kg		1.54	mg/kg	0.000154 %	✓	
			204-371-1	120-12-7									
28	●	fluoranthene				8.63	mg/kg		6.887	mg/kg	0.000689 %	✓	
			205-912-4	206-44-0									
29	●	pyrene				6.99	mg/kg		5.578	mg/kg	0.000558 %	✓	
			204-927-3	129-00-0									
30		benzo[a]anthracene				5.17	mg/kg		4.126	mg/kg	0.000413 %	✓	
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				4.96	mg/kg		3.958	mg/kg	0.000396 %	✓	
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				5.99	mg/kg		4.78	mg/kg	0.000478 %	✓	
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				2.33	mg/kg		1.859	mg/kg	0.000186 %	✓	
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				4.97	mg/kg		3.966	mg/kg	0.000397 %	✓	
		601-032-00-3	200-028-5	50-32-8									
35	●	indeno[123-cd]pyrene				2.97	mg/kg		2.37	mg/kg	0.000237 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.76	mg/kg		0.606	mg/kg	0.0000606 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				2.63	mg/kg		2.099	mg/kg	0.00021 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				0.65	mg/kg		0.519	mg/kg	0.0000519 %	✓	
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				3	mg/kg		2.394	mg/kg	0.000239 %	✓	
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.218 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 6.38e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0809%)

RECEIVED: 19/09/2025

WAC results for sample: TP1-12-12/07/2024-3.00-3.60m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	2.57	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	287	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	52.02	100	-
7	pH	pH	8.2	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.4	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	0.0005	0.01	0.2
15	molybdenum	mg/kg	0.07	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.06	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.06	4	50
21	chloride	mg/kg	7	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	114	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	650	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-13-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-13-12/07/2024-0.00-1.00m
Moisture content:
10.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.075 mg/kg	0.000107 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4.8 mg/kg	1.895	8.166 mg/kg	0.000817 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		52 mg/kg	1.117	52.136 mg/kg	0.00521 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.666 mg/kg	0.0000666 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		107.4 mg/kg	1.462	140.96 mg/kg	0.0141 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		28 mg/kg	3.929	98.792 mg/kg	0.00988 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	60 mg/kg		53.88 mg/kg	0.00539 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.1 mg/kg	1.353	0.122 mg/kg	0.0000122 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.8 mg/kg	1.5	3.772 mg/kg	0.000377 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		32 mg/kg	5.358	153.977 mg/kg	0.0154 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		68 mg/kg	1.245	76.007 mg/kg	0.0076 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		156 mg/kg		140.088 mg/kg	0.014 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.007	mg/kg		0.0062	mg/kg	0.000000629 %	✓	
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21	●	pH			PH		8.97	pH		8.97	pH	8.97 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.07	mg/kg		0.0629	mg/kg	0.00000629 %	✓	
23	●	acenaphthylene		205-917-1	208-96-8		0.06	mg/kg		0.0539	mg/kg	0.00000539 %	✓	
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26	●	phenanthrene		201-581-5	85-01-8		0.18	mg/kg		0.162	mg/kg	0.0000162 %	✓	
27	●	anthracene		204-371-1	120-12-7		0.09	mg/kg		0.0808	mg/kg	0.00000808 %	✓	
28	●	fluoranthene		205-912-4	206-44-0		0.52	mg/kg		0.467	mg/kg	0.0000467 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.51	mg/kg		0.458	mg/kg	0.0000458 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.38	mg/kg		0.341	mg/kg	0.0000341 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.41	mg/kg		0.368	mg/kg	0.0000368 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.55	mg/kg		0.494	mg/kg	0.0000494 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.21	mg/kg		0.189	mg/kg	0.0000189 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.46	mg/kg		0.413	mg/kg	0.0000413 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.31	mg/kg		0.278	mg/kg	0.0000278 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.08	mg/kg		0.0718	mg/kg	0.00000718 %	✓	
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.32	mg/kg		0.287	mg/kg	0.0000287 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		0.09	mg/kg		0.0808	mg/kg	0.00000808 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0733 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 6.29e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.014%)

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WAC results for sample: TP1-13-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.64	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.24	100	-
7	pH	pH	8.97	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.07	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.05	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	3	10	150
23	sulphate	mg/kg	143	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	710	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: TP1-13-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-13-12/07/2024-1.00-2.00m
Moisture content:
10.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1	mg/kg	1.197	<1.197	mg/kg	<0.00012 %		<**LOD**
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5	mg/kg	1.895	8.45	mg/kg	0.000845 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		49	mg/kg	1.117	48.8	mg/kg	0.00488 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5	mg/kg	1.855	0.827	mg/kg	0.0000827 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		94.8	mg/kg	1.462	123.591	mg/kg	0.0124 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		27	mg/kg	3.929	94.627	mg/kg	0.00946 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	111	mg/kg		99.012	mg/kg	0.0099 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.2	mg/kg	1.353	0.241	mg/kg	0.0000241 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.6	mg/kg	1.5	4.817	mg/kg	0.000482 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		25.1	mg/kg	5.358	119.968	mg/kg	0.012 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		75	mg/kg	1.245	83.271	mg/kg	0.00833 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		77	mg/kg		68.684	mg/kg	0.00687 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.98	pH		8.98	pH	8.98 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.08	mg/kg		0.0714	mg/kg	0.00000714 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.09	mg/kg		0.0803	mg/kg	0.00000803 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.06	mg/kg		0.0535	mg/kg	0.00000535 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.66	mg/kg		0.589	mg/kg	0.0000589 %	✓	
27		anthracene		204-371-1	120-12-7		0.2	mg/kg		0.178	mg/kg	0.0000178 %	✓	
28		fluoranthene		205-912-4	206-44-0		1.22	mg/kg		1.088	mg/kg	0.000109 %	✓	
29		pyrene		204-927-3	129-00-0		1.09	mg/kg		0.972	mg/kg	0.0000972 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.67	mg/kg		0.598	mg/kg	0.0000598 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.74	mg/kg		0.66	mg/kg	0.000066 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.87	mg/kg		0.776	mg/kg	0.0000776 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.34	mg/kg		0.303	mg/kg	0.0000303 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.64	mg/kg		0.571	mg/kg	0.0000571 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.4	mg/kg		0.357	mg/kg	0.0000357 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.08	mg/kg		0.0714	mg/kg	0.00000714 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.43	mg/kg		0.384	mg/kg	0.0000384 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.06	mg/kg		0.0535	mg/kg	0.00000535 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0659 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00687%)

RECEIVED: 19/09/2025

WAC results for sample: TP1-13-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.81	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.63	100	-
7	pH	pH	8.98	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.04	0.5	2
10	barium	mg/kg	0.06	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.04	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	110	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	600	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-13-12/07/2024-2.00-2.80m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-13-12/07/2024-2.00-2.80m
Moisture content:
9.5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 9.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2 mg/kg	1.197	2.167 mg/kg	0.000217 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4.6 mg/kg	1.895	7.887 mg/kg	0.000789 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		40 mg/kg	1.117	40.418 mg/kg	0.00404 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.504 mg/kg	0.0000504 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		143.8 mg/kg	1.462	190.205 mg/kg	0.019 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		31 mg/kg	3.929	110.23 mg/kg	0.011 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	49 mg/kg		44.345 mg/kg	0.00443 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.367 mg/kg	0.0000367 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.5 mg/kg	1.5	3.394 mg/kg	0.000339 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		52.5 mg/kg	5.358	254.587 mg/kg	0.0255 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		62 mg/kg	1.245	69.841 mg/kg	0.00698 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.93	pH		8.93	pH	8.93 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		0.03	mg/kg		0.0271	mg/kg	0.00000271 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0724 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: TP1-13-12/07/2024-2.00-2.80m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.5	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.93	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.06	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	116	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	570	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-14-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-14-12/07/2024-1.00-2.00m
Moisture content:
3.1%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.16 mg/kg	0.000116 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.6 mg/kg	1.895	4.773 mg/kg	0.000477 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		55 mg/kg	1.117	59.504 mg/kg	0.00595 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.18 mg/kg	0.000018 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		70.9 mg/kg	1.462	100.412 mg/kg	0.01 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		**<LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		33 mg/kg	3.929	125.639 mg/kg	0.0126 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	42 mg/kg		40.698 mg/kg	0.00407 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.1 mg/kg	1.353	0.131 mg/kg	0.0000131 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.4 mg/kg	1.5	6.396 mg/kg	0.00064 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		12.3 mg/kg	5.358	63.864 mg/kg	0.00639 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.475 mg/kg	0.000247 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		80 mg/kg	1.245	96.49 mg/kg	0.00965 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		85 mg/kg		82.365 mg/kg	0.00824 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
17		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.007	mg/kg		0.0067	mg/kg	$0^{.000000678}$ %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.005	mg/kg		0.0048	mg/kg	$0^{.000000485}$ %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				8.44	pH		8.44	pH	8.44 pH		
				PH									
22		naphthalene				0.12	mg/kg		0.116	mg/kg	0.0000116 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.12	mg/kg		0.116	mg/kg	0.0000116 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
25	●	fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			201-695-5	86-73-7									
26	●	phenanthrene				0.36	mg/kg		0.349	mg/kg	0.0000349 %	✓	
			201-581-5	85-01-8									
27	●	anthracene				0.21	mg/kg		0.203	mg/kg	0.0000203 %	✓	
			204-371-1	120-12-7									
28	●	fluoranthene				1.23	mg/kg		1.192	mg/kg	0.000119 %	✓	
			205-912-4	206-44-0									
29	●	pyrene				1.04	mg/kg		1.008	mg/kg	0.000101 %	✓	
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.78	mg/kg		0.756	mg/kg	0.0000756 %	✓	
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.77	mg/kg		0.746	mg/kg	0.0000746 %	✓	
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.94	mg/kg		0.911	mg/kg	0.0000911 %	✓	
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.37	mg/kg		0.359	mg/kg	0.0000359 %	✓	
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.75	mg/kg		0.727	mg/kg	0.0000727 %	✓	
		601-032-00-3	200-028-5	50-32-8									
35	●	indeno[123-cd]pyrene				0.45	mg/kg		0.436	mg/kg	0.0000436 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.13	mg/kg		0.126	mg/kg	0.0000126 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				0.44	mg/kg		0.426	mg/kg	0.0000426 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				0.1	mg/kg		0.0969	mg/kg	0.00000969 %	✓	
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0592 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 6.78e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.00824%)
xylene (conc.: 4.85e-07%)

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WAC results for sample: TP1-14-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.44	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.81	100	-
7	pH	pH	8.44	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.45	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	13	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	767	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1400	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-14-12/07/2024-2.00-3.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-14-12/07/2024-2.00-3.00m
Moisture content:
4.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.7 mg/kg	1.895	4.865 mg/kg	0.000486 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		72 mg/kg	1.117	76.449 mg/kg	0.00764 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.176 mg/kg	0.0000176 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		78.9 mg/kg	1.462	109.666 mg/kg	0.011 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		50 mg/kg	3.929	186.826 mg/kg	0.0187 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	53 mg/kg		50.403 mg/kg	0.00504 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.4 mg/kg	1.5	6.277 mg/kg	0.000628 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		14.4 mg/kg	5.358	73.379 mg/kg	0.00734 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		100 mg/kg	1.245	118.372 mg/kg	0.0118 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		132 mg/kg		125.532 mg/kg	0.0126 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.47	pH		8.47	pH	8.47 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.08	mg/kg		0.0761	mg/kg	0.00000761 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.09	mg/kg		0.0856	mg/kg	0.00000856 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		0.23	mg/kg		0.219	mg/kg	0.0000219 %	✓	
27		anthracene		204-371-1	120-12-7		0.16	mg/kg		0.152	mg/kg	0.0000152 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.99	mg/kg		0.941	mg/kg	0.0000941 %	✓	
29		pyrene		204-927-3	129-00-0		0.76	mg/kg		0.723	mg/kg	0.0000723 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.65	mg/kg		0.618	mg/kg	0.0000618 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.63	mg/kg		0.599	mg/kg	0.0000599 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.71	mg/kg		0.675	mg/kg	0.0000675 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.27	mg/kg		0.257	mg/kg	0.0000257 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.58	mg/kg		0.552	mg/kg	0.0000552 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.33	mg/kg		0.314	mg/kg	0.0000314 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.11	mg/kg		0.105	mg/kg	0.0000105 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.33	mg/kg		0.314	mg/kg	0.0000314 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.06	mg/kg		0.0571	mg/kg	0.00000571 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0758 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0126%)

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WAC results for sample: TP1-14-12/07/2024-2.00-3.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.63	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.98	100	-
7	pH	pH	8.47	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.53	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.07	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.03	4	50
21	chloride	mg/kg	14	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	789	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1530	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-14-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-14-12/07/2024-0.00-1.00m
Moisture content:
8.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				6.8 mg/kg	1.895	11.826 mg/kg	0.00118 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		53 mg/kg	1.117	54.322 mg/kg	0.00543 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.8 mg/kg	1.855	1.362 mg/kg	0.000136 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		86.1 mg/kg	1.462	115.521 mg/kg	0.0116 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		34 mg/kg	3.929	122.634 mg/kg	0.0123 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	94 mg/kg		86.292 mg/kg	0.00863 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.5 mg/kg	1.5	4.82 mg/kg	0.000482 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		14.4 mg/kg	5.358	70.833 mg/kg	0.00708 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		129 mg/kg	1.245	147.402 mg/kg	0.0147 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		161 mg/kg		147.798 mg/kg	0.0148 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.53	pH		8.53	pH	8.53 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.15	mg/kg		0.138	mg/kg	0.0000138 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.17	mg/kg		0.156	mg/kg	0.0000156 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.14	mg/kg		0.129	mg/kg	0.0000129 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.69	mg/kg		0.633	mg/kg	0.0000633 %	✓	
27		anthracene		204-371-1	120-12-7		0.47	mg/kg		0.431	mg/kg	0.0000431 %	✓	
28		fluoranthene		205-912-4	206-44-0		2.17	mg/kg		1.992	mg/kg	0.000199 %	✓	
29		pyrene		204-927-3	129-00-0		1.92	mg/kg		1.763	mg/kg	0.000176 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.12	mg/kg		1.028	mg/kg	0.000103 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		1.12	mg/kg		1.028	mg/kg	0.000103 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.36	mg/kg		1.248	mg/kg	0.000125 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.53	mg/kg		0.487	mg/kg	0.0000487 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.17	mg/kg		1.074	mg/kg	0.000107 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.71	mg/kg		0.652	mg/kg	0.0000652 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.21	mg/kg		0.193	mg/kg	0.0000193 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.68	mg/kg		0.624	mg/kg	0.0000624 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.19	mg/kg		0.174	mg/kg	0.0000174 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0775 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0148%)

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WAC results for sample: TP1-14-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.8	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	12.8	100	-
7	pH	pH	8.53	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.06	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.07	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.04	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.04	4	50
21	chloride	mg/kg	14	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	186	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	710	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-15-12/07/2024-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-15-12/07/2024-0.00-1.00m
Moisture content:
5.4%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2 mg/kg	1.197	2.265 mg/kg	0.000226 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5 mg/kg	1.895	8.961 mg/kg	0.000896 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		67 mg/kg	1.117	70.766 mg/kg	0.00708 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.2 mg/kg	1.855	2.105 mg/kg	0.000211 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		39.9 mg/kg	1.462	55.167 mg/kg	0.00552 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		28 mg/kg	3.929	104.073 mg/kg	0.0104 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	161 mg/kg		152.306 mg/kg	0.0152 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.7 mg/kg	1.5	3.832 mg/kg	0.000383 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		9.7 mg/kg	5.358	49.169 mg/kg	0.00492 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		149 mg/kg	1.245	175.447 mg/kg	0.0175 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		108 mg/kg		102.168 mg/kg	0.0102 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
17		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.007	mg/kg		0.0066	mg/kg	$0^{.000000662}$ %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				8.42	pH		8.42	pH	8.42 pH		
				PH									
22		naphthalene				0.08	mg/kg		0.0757	mg/kg	0.00000757 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.12	mg/kg		0.114	mg/kg	0.0000114 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
25	●	fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			201-695-5	86-73-7									
26	●	phenanthrene				0.45	mg/kg		0.426	mg/kg	0.0000426 %	✓	
			201-581-5	85-01-8									
27	●	anthracene				0.18	mg/kg		0.17	mg/kg	0.000017 %	✓	
			204-371-1	120-12-7									
28	●	fluoranthene				1.15	mg/kg		1.088	mg/kg	0.000109 %	✓	
			205-912-4	206-44-0									
29	●	pyrene				1.08	mg/kg		1.022	mg/kg	0.000102 %	✓	
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.69	mg/kg		0.653	mg/kg	0.0000653 %	✓	
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.7	mg/kg		0.662	mg/kg	0.0000662 %	✓	
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.92	mg/kg		0.87	mg/kg	0.000087 %	✓	
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.36	mg/kg		0.341	mg/kg	0.0000341 %	✓	
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.76	mg/kg		0.719	mg/kg	0.0000719 %	✓	
		601-032-00-3	200-028-5	50-32-8									
35	●	indeno[123-cd]pyrene				0.52	mg/kg		0.492	mg/kg	0.0000492 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.13	mg/kg		0.123	mg/kg	0.0000123 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				0.51	mg/kg		0.482	mg/kg	0.0000482 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				0.11	mg/kg		0.104	mg/kg	0.0000104 %	✓	
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0734 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 6.62e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0102%)

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WAC results for sample: TP1-15-12/07/2024-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.51	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.76	100	-
7	pH	pH	8.42	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.21	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.08	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.03	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	802	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1621	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-15-12/07/2024-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-15-12/07/2024-1.00-2.00m
Moisture content:
5.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.2 mg/kg	1.895	5.705 mg/kg	0.00057 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		25 mg/kg	1.117	26.266 mg/kg	0.00263 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.2 mg/kg	1.855	0.349 mg/kg	0.0000349 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		54.2 mg/kg	1.462	74.543 mg/kg	0.00745 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		18 mg/kg	3.929	66.55 mg/kg	0.00666 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	66 mg/kg		62.106 mg/kg	0.00621 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.5 mg/kg	1.5	4.941 mg/kg	0.000494 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.7 mg/kg	5.358	43.867 mg/kg	0.00439 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.403 mg/kg	0.00024 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		47 mg/kg	1.245	55.05 mg/kg	0.0055 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.62	pH		8.62	pH	8.62 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.07	mg/kg		0.0659	mg/kg	0.00000659 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.05	mg/kg		0.0471	mg/kg	0.00000471 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.05	mg/kg		0.0471	mg/kg	0.00000471 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.29	mg/kg		0.273	mg/kg	0.0000273 %	✓	
27		anthracene		204-371-1	120-12-7		0.42	mg/kg		0.395	mg/kg	0.0000395 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.56	mg/kg		0.527	mg/kg	0.0000527 %	✓	
29		pyrene		204-927-3	129-00-0		0.45	mg/kg		0.423	mg/kg	0.0000423 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.38	mg/kg		0.358	mg/kg	0.0000358 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.4	mg/kg		0.376	mg/kg	0.0000376 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.39	mg/kg		0.367	mg/kg	0.0000367 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.15	mg/kg		0.141	mg/kg	0.0000141 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.31	mg/kg		0.292	mg/kg	0.0000292 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.18	mg/kg		0.169	mg/kg	0.0000169 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.06	mg/kg		0.0565	mg/kg	0.00000565 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.16	mg/kg		0.151	mg/kg	0.0000151 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.05	mg/kg		0.0471	mg/kg	0.00000471 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0346 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: TP1-15-12/07/2024-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.28	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.97	100	-
7	pH	pH	8.62	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.05	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.08	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.04	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	4	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	308	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	990	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: TP1-15-12/07/2024-2.00-2.60m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP1-15-12/07/2024-2.00-2.60m
Moisture content:
10.3%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.9 mg/kg	1.895	4.928 mg/kg	0.000493 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		29 mg/kg	1.117	29.044 mg/kg	0.0029 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.2 mg/kg	1.855	0.333 mg/kg	0.0000333 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		86.2 mg/kg	1.462	113.01 mg/kg	0.0113 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		23 mg/kg	3.929	81.06 mg/kg	0.00811 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	52 mg/kg		46.644 mg/kg	0.00466 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.8 mg/kg	1.5	5.114 mg/kg	0.000511 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13.9 mg/kg	5.358	66.809 mg/kg	0.00668 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		54 mg/kg	1.245	60.291 mg/kg	0.00603 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	●	pH			PH		8.52	pH		8.52	pH	8.52 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23	●	acenaphthylene		205-917-1	208-96-8		0.06	mg/kg		0.0538	mg/kg	0.00000538 %	✓	
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26	●	phenanthrene		201-581-5	85-01-8		0.23	mg/kg		0.206	mg/kg	0.0000206 %	✓	
27	●	anthracene		204-371-1	120-12-7		0.23	mg/kg		0.206	mg/kg	0.0000206 %	✓	
28	●	fluoranthene		205-912-4	206-44-0		1.4	mg/kg		1.256	mg/kg	0.000126 %	✓	
29	●	pyrene		204-927-3	129-00-0		1.33	mg/kg		1.193	mg/kg	0.000119 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.59	mg/kg		0.529	mg/kg	0.0000529 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.61	mg/kg		0.547	mg/kg	0.0000547 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.74	mg/kg		0.664	mg/kg	0.0000664 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.29	mg/kg		0.26	mg/kg	0.000026 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.62	mg/kg		0.556	mg/kg	0.0000556 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.36	mg/kg		0.323	mg/kg	0.0000323 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.08	mg/kg		0.0718	mg/kg	0.00000718 %	✓	
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.37	mg/kg		0.332	mg/kg	0.0000332 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39	●	coronene		205-881-7	191-07-1		0.08	mg/kg		0.0718	mg/kg	0.00000718 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0414 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: TP1-15-12/07/2024-2.00-2.60m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.37	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.99	100	-
7	pH	pH	8.52	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.11	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.05	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	16	800	15,000
22	fluoride	mg/kg	3	10	150
23	sulphate	mg/kg	284	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1031	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-01-02/09/2019-0.00-0.50m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-01-02/09/2019-0.00-0.50m
Moisture content:
6.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.123 mg/kg	0.000112 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.5 mg/kg	1.895	6.22 mg/kg	0.000622 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		187 mg/kg	1.117	195.842 mg/kg	0.0196 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.8 mg/kg	1.855	1.392 mg/kg	0.000139 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22.3 mg/kg	1.462	30.572 mg/kg	0.00306 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		21 mg/kg	3.929	77.394 mg/kg	0.00774 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	47 mg/kg		44.086 mg/kg	0.00441 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.6 mg/kg	1.5	2.251 mg/kg	0.000225 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		7.9 mg/kg	5.358	39.706 mg/kg	0.00397 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		123 mg/kg	1.245	143.608 mg/kg	0.0144 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		719 mg/kg		674.422 mg/kg	0.0674 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21	●	pH			PH		9.13	pH		9.13	pH	9.13 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.04	mg/kg		0.0375	mg/kg	0.00000375 %	✓	
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26	●	phenanthrene		201-581-5	85-01-8		0.07	mg/kg		0.0657	mg/kg	0.00000657 %	✓	
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
28	●	fluoranthene		205-912-4	206-44-0		0.11	mg/kg		0.103	mg/kg	0.0000103 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.11	mg/kg		0.103	mg/kg	0.0000103 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.09	mg/kg		0.0844	mg/kg	0.00000844 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.06	mg/kg		0.0563	mg/kg	0.00000563 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.08	mg/kg		0.075	mg/kg	0.0000075 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.03	mg/kg		0.0281	mg/kg	0.00000281 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.05	mg/kg		0.0469	mg/kg	0.00000469 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
37	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.122 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0674%)

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WAC results for sample: WS-01-02/09/2019-0.00-0.50m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.43	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	150	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.64	100	-
7	pH	pH	9.13	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	1.1	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.1	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.04	0.06	0.7
19	selenium	mg/kg	0.06	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	34	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	126	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	1060	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-02-02/09/2019-0.00-0.50m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-02-02/09/2019-0.00-0.50m
Moisture content:
6.4%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.4 mg/kg	1.895	6.029 mg/kg	0.000603 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		433 mg/kg	1.117	452.506 mg/kg	0.0453 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.694 mg/kg	0.0000694 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31.7 mg/kg	1.462	43.366 mg/kg	0.00434 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		14 mg/kg	3.929	51.486 mg/kg	0.00515 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	38 mg/kg		35.568 mg/kg	0.00356 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.6 mg/kg	1.5	3.651 mg/kg	0.000365 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		10.8 mg/kg	5.358	54.166 mg/kg	0.00542 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		41 mg/kg	1.245	47.767 mg/kg	0.00478 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.51	pH		8.51	pH	8.51 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.04	mg/kg		0.0374	mg/kg	0.00000374 %	✓	
29		pyrene		204-927-3	129-00-0		0.03	mg/kg		0.0281	mg/kg	0.00000281 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0695 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: WS-02-02/09/2019-0.00-0.50m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.17	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.51	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.79	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.09	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.03	0.06	0.7
19	selenium	mg/kg	0.06	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	4	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	231	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	870	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-03-02/09/2019-0.00-0.54m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-03-02/09/2019-0.00-0.54m
Moisture content:
6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.8 mg/kg	1.895	6.767 mg/kg	0.000677 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		324 mg/kg	1.117	340.043 mg/kg	0.034 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5 mg/kg	1.855	0.872 mg/kg	0.0000872 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32.3 mg/kg	1.462	44.376 mg/kg	0.00444 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		15 mg/kg	3.929	55.4 mg/kg	0.00554 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	31 mg/kg		29.14 mg/kg	0.00291 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.2 mg/kg	1.5	3.102 mg/kg	0.00031 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		10.6 mg/kg	5.358	53.39 mg/kg	0.00534 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		55 mg/kg	1.245	64.352 mg/kg	0.00644 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	●	pH			PH		8.97	pH		8.97	pH	8.97 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26	●	phenanthrene		201-581-5	85-01-8		0.05	mg/kg		0.047	mg/kg	0.0000047 %	✓	
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28	●	fluoranthene		205-912-4	206-44-0		0.09	mg/kg		0.0846	mg/kg	0.00000846 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.09	mg/kg		0.0846	mg/kg	0.00000846 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.1	mg/kg		0.094	mg/kg	0.0000094 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.06	mg/kg		0.0564	mg/kg	0.00000564 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.12	mg/kg		0.113	mg/kg	0.0000113 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.05	mg/kg		0.047	mg/kg	0.0000047 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.09	mg/kg		0.0846	mg/kg	0.00000846 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.05	mg/kg		0.047	mg/kg	0.0000047 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.07	mg/kg		0.0658	mg/kg	0.00000658 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0598 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: WS-03-02/09/2019-0.00-0.54m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.52	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.77	100	-
7	pH	pH	8.97	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.98	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.11	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	0.06	0.1	0.5
20	zinc	mg/kg	0.03	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	114	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	700	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-04-02/09/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-04-02/09/2019-0.00-1.00m
Moisture content:
8.5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.1 mg/kg	1.895	3.64 mg/kg	0.000364 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		28 mg/kg	1.117	28.605 mg/kg	0.00286 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.6 mg/kg	1.855	1.018 mg/kg	0.000102 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38.4 mg/kg	1.462	51.353 mg/kg	0.00514 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		11 mg/kg	3.929	39.546 mg/kg	0.00395 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	33 mg/kg		30.195 mg/kg	0.00302 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.1 mg/kg	1.5	2.883 mg/kg	0.000288 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.4 mg/kg	5.358	41.184 mg/kg	0.00412 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		37 mg/kg	1.245	42.14 mg/kg	0.00421 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		9.01	pH		9.01	pH	9.01 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.08	mg/kg		0.0732	mg/kg	0.00000732 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.03	mg/kg		0.0275	mg/kg	0.00000275 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		0.15	mg/kg		0.137	mg/kg	0.0000137 %	✓	
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
28		fluoranthene		205-912-4	206-44-0		0.27	mg/kg		0.247	mg/kg	0.0000247 %	✓	
29		pyrene		204-927-3	129-00-0		0.26	mg/kg		0.238	mg/kg	0.0000238 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.19	mg/kg		0.174	mg/kg	0.0000174 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.19	mg/kg		0.174	mg/kg	0.0000174 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.26	mg/kg		0.238	mg/kg	0.0000238 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.1	mg/kg		0.0915	mg/kg	0.00000915 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.17	mg/kg		0.156	mg/kg	0.0000156 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.11	mg/kg		0.101	mg/kg	0.0000101 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
37		benzo[ghi]perylene		205-883-8	191-24-2		0.13	mg/kg		0.119	mg/kg	0.0000119 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0242 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-04-02/09/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.37	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.94	100	-
7	pH	pH	9.01	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.09	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	10	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	650	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-04-02/09/2019-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-04-02/09/2019-1.00-2.00m
Moisture content:
10.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2 mg/kg	1.895	3.38 mg/kg	0.000338 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		21 mg/kg	1.117	20.914 mg/kg	0.00209 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.496 mg/kg	0.0000496 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		60.4 mg/kg	1.462	78.744 mg/kg	0.00787 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		11 mg/kg	3.929	38.552 mg/kg	0.00386 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	9 mg/kg		8.028 mg/kg	0.000803 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.2 mg/kg	1.5	4.282 mg/kg	0.000428 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		9.2 mg/kg	5.358	43.972 mg/kg	0.0044 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		24 mg/kg	1.245	26.647 mg/kg	0.00266 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		9.05	pH		9.05	pH	9.05 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0225 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-04-02/09/2019-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.08	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	9.05	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.05	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	12	800	15,000
22	fluoride	mg/kg	8	10	150
23	sulphate	mg/kg	54	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	810	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS-04-02/09/2019-2.00-2.20m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-04-02/09/2019-2.00-2.20m
Moisture content:
7.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.1 mg/kg	1.895	3.664 mg/kg	0.000366 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		22 mg/kg	1.117	22.623 mg/kg	0.00226 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.512 mg/kg	0.0000512 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		60.2 mg/kg	1.462	81.035 mg/kg	0.0081 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		9 mg/kg	3.929	32.568 mg/kg	0.00326 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	9 mg/kg		8.289 mg/kg	0.000829 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.5 mg/kg	1.5	4.836 mg/kg	0.000484 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		6.9 mg/kg	5.358	34.052 mg/kg	0.00341 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		39 mg/kg	1.245	44.709 mg/kg	0.00447 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		9.16	pH		9.16	pH	9.16 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0232 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-04-02/09/2019-2.00-2.20m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.14	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	9.16	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.08	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	246	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	115	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	40	500	800
26	TDS (total dissolved solids)	mg/kg	1200	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-05-02/09/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-05-02/09/2019-0.00-1.00m
Moisture content:
5.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.6 mg/kg	1.895	4.635 mg/kg	0.000464 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		36 mg/kg	1.117	37.823 mg/kg	0.00378 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.698 mg/kg	0.0000698 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		82.7 mg/kg	1.462	113.739 mg/kg	0.0114 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		25 mg/kg	3.929	92.431 mg/kg	0.00924 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	53 mg/kg		49.873 mg/kg	0.00499 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.5 mg/kg	1.5	6.353 mg/kg	0.000635 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		10.9 mg/kg	5.358	54.96 mg/kg	0.0055 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		62 mg/kg	1.245	72.619 mg/kg	0.00726 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	●	pH			PH		9.06	pH		9.06	pH	9.06 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26	●	phenanthrene		201-581-5	85-01-8		0.07	mg/kg		0.0659	mg/kg	0.00000659 %	✓	
27	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28	●	fluoranthene		205-912-4	206-44-0		0.13	mg/kg		0.122	mg/kg	0.0000122 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.11	mg/kg		0.104	mg/kg	0.0000104 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.12	mg/kg		0.113	mg/kg	0.0000113 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.11	mg/kg		0.104	mg/kg	0.0000104 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.13	mg/kg		0.122	mg/kg	0.0000122 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.05	mg/kg		0.0471	mg/kg	0.00000471 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.09	mg/kg		0.0847	mg/kg	0.00000847 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.05	mg/kg		0.0471	mg/kg	0.00000471 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.06	mg/kg		0.0565	mg/kg	0.00000565 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39	●	coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0434 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-05-02/09/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.47	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.92	100	-
7	pH	pH	9.06	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.04	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.15	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	22	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	124	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	660	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS-05-02/09/2019-1.00-1.70m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-05-02/09/2019-1.00-1.70m
Moisture content:
12.1%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3 mg/kg	1.895	4.996 mg/kg	0.0005 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		35 mg/kg	1.117	34.349 mg/kg	0.00343 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5 mg/kg	1.855	0.815 mg/kg	0.0000815 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		35.5 mg/kg	1.462	45.607 mg/kg	0.00456 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		13 mg/kg	3.929	44.897 mg/kg	0.00449 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	16 mg/kg		14.064 mg/kg	0.00141 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.7 mg/kg	1.5	2.242 mg/kg	0.000224 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		11 mg/kg	5.358	51.81 mg/kg	0.00518 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		28 mg/kg	1.245	30.635 mg/kg	0.00306 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		9.14	pH		9.14	pH	9.14 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0229 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-05-02/09/2019-1.00-1.70m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.11	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	9.14	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.06	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	30	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	66	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	760	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS-07-30/08/2019-0.00-0.70m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-07-30/08/2019-0.00-0.70m
Moisture content:
4.5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.8 mg/kg	1.895	5.066 mg/kg	0.000507 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		28 mg/kg	1.117	29.855 mg/kg	0.00299 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.708 mg/kg	0.0000708 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25.8 mg/kg	1.462	36.011 mg/kg	0.0036 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		12 mg/kg	3.929	45.027 mg/kg	0.0045 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	35 mg/kg		33.425 mg/kg	0.00334 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.2 mg/kg	1.5	3.152 mg/kg	0.000315 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.1 mg/kg	5.358	41.449 mg/kg	0.00414 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		48 mg/kg	1.245	57.058 mg/kg	0.00571 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.69	pH		8.69	pH	8.69 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.04	mg/kg		0.0382	mg/kg	0.00000382 %	✓	
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.06	mg/kg		0.0573	mg/kg	0.00000573 %	✓	
29		pyrene		204-927-3	129-00-0		0.05	mg/kg		0.0478	mg/kg	0.00000478 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0252 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: WS-07-30/08/2019-0.00-0.70m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.32	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.69	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.18	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.09	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	40	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	2825	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	4688	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-09-30/08/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-09-30/08/2019-0.00-1.00m
Moisture content:
15%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2 mg/kg	1.197	2.035 mg/kg	0.000204 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				16.5 mg/kg	1.895	26.571 mg/kg	0.00266 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		444 mg/kg	1.117	421.369 mg/kg	0.0421 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.9 mg/kg	1.855	1.419 mg/kg	0.000142 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		57.8 mg/kg	1.462	71.806 mg/kg	0.00718 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		88 mg/kg	3.929	293.893 mg/kg	0.0294 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	300 mg/kg		255 mg/kg	0.0255 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5 mg/kg	1.353	0.575 mg/kg	0.0000575 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.8 mg/kg	1.5	4.846 mg/kg	0.000485 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		17.1 mg/kg	5.358	77.883 mg/kg	0.00779 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		352 mg/kg	1.245	372.418 mg/kg	0.0372 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		454 mg/kg		385.9 mg/kg	0.0386 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.66	pH		8.66	pH	8.66 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.46	mg/kg		0.391	mg/kg	0.0000391 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.91	mg/kg		0.774	mg/kg	0.0000774 %	✓	
24		acenaphthene		201-469-6	83-32-9		0.12	mg/kg		0.102	mg/kg	0.0000102 %	✓	
25		fluorene		201-695-5	86-73-7		0.31	mg/kg		0.264	mg/kg	0.0000264 %	✓	
26		phenanthrene		201-581-5	85-01-8		3.59	mg/kg		3.052	mg/kg	0.000305 %	✓	
27		anthracene		204-371-1	120-12-7		1.58	mg/kg		1.343	mg/kg	0.000134 %	✓	
28		fluoranthene		205-912-4	206-44-0		10.51	mg/kg		8.934	mg/kg	0.000893 %	✓	
29		pyrene		204-927-3	129-00-0		9.12	mg/kg		7.752	mg/kg	0.000775 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		6.66	mg/kg		5.661	mg/kg	0.000566 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		5.98	mg/kg		5.083	mg/kg	0.000508 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		8.47	mg/kg		7.2	mg/kg	0.00072 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.29	mg/kg		2.797	mg/kg	0.00028 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		6.32	mg/kg		5.372	mg/kg	0.000537 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		3.97	mg/kg		3.375	mg/kg	0.000337 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.86	mg/kg		0.731	mg/kg	0.0000731 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		3.93	mg/kg		3.341	mg/kg	0.000334 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.87	mg/kg		0.74	mg/kg	0.000074 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		4	mg/kg		3.4	mg/kg	0.00034 %	✓	
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.197 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0386%)

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WAC results for sample: WS-09-30/08/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	7.1	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	66.95	100	-
7	pH	pH	8.66	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.046	0.5	2
10	barium	mg/kg	0.35	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	0.08	2	50
14	mercury	mg/kg	0.0002	0.01	0.2
15	molybdenum	mg/kg	0.05	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.05	4	50
21	chloride	mg/kg	8	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	98	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	40	500	800
26	TDS (total dissolved solids)	mg/kg	870	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-09-30/08/2019-1.00-1.50m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-09-30/08/2019-1.00-1.50m
Moisture content:
23.7%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 23.7% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	0.913 mg/kg	0.0000913 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				6.6 mg/kg	1.895	9.54 mg/kg	0.000954 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		1560 mg/kg	1.117	1328.955 mg/kg	0.133 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.1 mg/kg	1.855	<0.185 mg/kg	<0.0000185 %		<LOD
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		63.9 mg/kg	1.462	71.259 mg/kg	0.00713 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		<1 mg/kg	3.929	<3.929 mg/kg	<0.000393 %		<LOD
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	48 mg/kg		36.624 mg/kg	0.00366 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2 mg/kg	1.5	2.289 mg/kg	0.000229 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		5.6 mg/kg	5.358	22.895 mg/kg	0.00229 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		6 mg/kg	2.554	11.691 mg/kg	0.00117 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		82 mg/kg	1.245	77.877 mg/kg	0.00779 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.57	pH		8.57	pH	8.57 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.07	mg/kg		0.0534	mg/kg	0.00000534 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.08	mg/kg		0.061	mg/kg	0.0000061 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		0.41	mg/kg		0.313	mg/kg	0.0000313 %	✓	
27		anthracene		204-371-1	120-12-7		0.14	mg/kg		0.107	mg/kg	0.0000107 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.86	mg/kg		0.656	mg/kg	0.0000656 %	✓	
29		pyrene		204-927-3	129-00-0		0.8	mg/kg		0.61	mg/kg	0.000061 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.66	mg/kg		0.504	mg/kg	0.0000504 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.62	mg/kg		0.473	mg/kg	0.0000473 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.79	mg/kg		0.603	mg/kg	0.0000603 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.31	mg/kg		0.237	mg/kg	0.0000237 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.58	mg/kg		0.443	mg/kg	0.0000443 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.34	mg/kg		0.259	mg/kg	0.0000259 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.09	mg/kg		0.0687	mg/kg	0.00000687 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.37	mg/kg		0.282	mg/kg	0.0000282 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.08	mg/kg		0.061	mg/kg	0.0000061 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.157 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: WS-09-30/08/2019-1.00-1.50m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	1.85	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.2	100	-
7	pH	pH	8.57	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.02	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	578	800	15,000
22	fluoride	mg/kg	10	10	150
23	sulphate	mg/kg	589	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	2781	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-10-29/08/2019-0.00-1.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS-10-29/08/2019-0.00-1.00m
Moisture content:
5.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 10: Toxic for reproduction "waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring"

Hazard Statements hit:

Repr. 1A; H360Df "May damage the unborn child. Suspected of damaging fertility."

Because of determinand:

lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.444%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

copper sulphate pentahydrate (compound conc.: 0.108%)
lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.444%)
zinc oxide (compound conc.: 0.588%)

Determinands

Moisture content: 5.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		39 mg/kg	1.197	43.979 mg/kg	0.0044 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				77.1 mg/kg	1.895	137.596 mg/kg	0.0138 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		1705 mg/kg	1.117	1793.231 mg/kg	0.179 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		33.9 mg/kg	1.855	59.223 mg/kg	0.00592 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30.9 mg/kg	1.462	42.543 mg/kg	0.00425 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		293 mg/kg	3.929	1084.442 mg/kg	0.108 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	4709	mg/kg		4435.878	mg/kg	0.444 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.3	mg/kg	1.353	1.657	mg/kg	0.000166 %	✓	
11		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.2	mg/kg	1.5	3.109	mg/kg	0.000311 %	✓	
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		11	mg/kg	5.358	55.523	mg/kg	0.00555 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		5015	mg/kg	1.245	5880.191	mg/kg	0.588 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		335	mg/kg		315.57	mg/kg	0.0316 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.81	pH		8.81	pH	8.81 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.05	mg/kg		0.0471	mg/kg	0.00000471 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.04	mg/kg		0.0377	mg/kg	0.00000377 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.19	mg/kg		0.179	mg/kg	0.0000179 %	✓	
27		anthracene		204-371-1	120-12-7		0.07	mg/kg		0.0659	mg/kg	0.00000659 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.4	mg/kg		0.377	mg/kg	0.0000377 %	✓	
29		pyrene		204-927-3	129-00-0		0.44	mg/kg		0.414	mg/kg	0.0000414 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.3	mg/kg		0.283	mg/kg	0.0000283 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.32	mg/kg		0.301	mg/kg	0.0000301 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.45	mg/kg		0.424	mg/kg	0.0000424 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.17	mg/kg		0.16	mg/kg	0.000016 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.36	mg/kg		0.339	mg/kg	0.0000339 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.24	mg/kg		0.226	mg/kg	0.0000226 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
36		dibenz[a,h]anthracene				0.06	mg/kg		0.0565	mg/kg	0.00000565 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				0.3	mg/kg		0.283	mg/kg	0.0000283 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				0.06	mg/kg		0.0565	mg/kg	0.00000565 %	✓	
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	1.386 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0316%)

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WAC results for sample: WS-10-29/08/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.67	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	117	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.45	100	-
7	pH	pH	8.81	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.222	0.5	2
10	barium	mg/kg	1.46	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.09	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.87	0.5	10
18	antimony	mg/kg	0.17	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.13	4	50
21	chloride	mg/kg	5	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	214	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1000	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-10-29/08/2019-1.00-2.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS-10-29/08/2019-1.00-2.00m
Moisture content:
6.7%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinand:

zinc oxide (compound conc.: 1.247%)

Determinands

Moisture content: 6.7% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.001 %		<0.001 %	<0.001 %		<**LOD**
2		asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
3		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		6 mg/kg	1.197	6.701 mg/kg	0.00067 %	✓	
4		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				12.2 mg/kg	1.895	21.565 mg/kg	0.00216 %	✓	
5		barium { barium oxide }		215-127-9	1304-28-5		173 mg/kg	1.117	180.214 mg/kg	0.018 %	✓	
6		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		115.3 mg/kg	1.855	199.505 mg/kg	0.02 %	✓	
7		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10.8 mg/kg	1.462	14.727 mg/kg	0.00147 %	✓	
8		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
9		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		111 mg/kg	3.929	406.905 mg/kg	0.0407 %	✓	
10		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	684 mg/kg		638.172 mg/kg	0.0638 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
11		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.1	mg/kg	1.353	0.126	mg/kg	0.0000126 %	✓	
12		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.3	mg/kg	1.5	3.219	mg/kg	0.000322 %	✓	
13		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		15.1	mg/kg	5.358	75.49	mg/kg	0.00755 %	✓	
14		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2	mg/kg	2.554	4.765	mg/kg	0.000477 %	✓	
15		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		10741	mg/kg	1.245	12473.718	mg/kg	1.247 %	✓	
16		TPH (C6 to C40) petroleum group			TPH		<52	mg/kg		<52	mg/kg	<0.0052 %		<LOD
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		toluene	601-021-00-3	203-625-9	108-88-3		0.008	mg/kg		0.0074	mg/kg	0.000000746 %	✓	
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
21		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22		pH			PH		8.68	pH		8.68	pH	8.68 pH		
23		naphthalene	601-052-00-2	202-049-5	91-20-3		0.04	mg/kg		0.0373	mg/kg	0.00000373 %	✓	
24		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
25		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		phenanthrene		201-581-5	85-01-8		0.13	mg/kg		0.121	mg/kg	0.0000121 %	✓	
28		anthracene		204-371-1	120-12-7		0.04	mg/kg		0.0373	mg/kg	0.00000373 %	✓	
29		fluoranthene		205-912-4	206-44-0		0.2	mg/kg		0.187	mg/kg	0.0000187 %	✓	
30		pyrene		204-927-3	129-00-0		0.18	mg/kg		0.168	mg/kg	0.0000168 %	✓	
31		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.17	mg/kg		0.159	mg/kg	0.0000159 %	✓	
32		chrysene	601-048-00-0	205-923-4	218-01-9		0.15	mg/kg		0.14	mg/kg	0.000014 %	✓	
33		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.21	mg/kg		0.196	mg/kg	0.0000196 %	✓	
34		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.08	mg/kg		0.0746	mg/kg	0.00000746 %	✓	
35		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.14	mg/kg		0.131	mg/kg	0.0000131 %	✓	
36		indeno[123-cd]pyrene		205-893-2	193-39-5		0.1	mg/kg		0.0933	mg/kg	0.00000933 %	✓	
37		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		benzo[ghi]perylene		205-883-8	191-24-2		0.1	mg/kg		0.0933	mg/kg	0.00000933 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
39		polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
40		coronene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			205-881-7	191-07-1									
41		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
42		< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	1.403 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 7.46e-07%)

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WAC results for sample: WS-10-29/08/2019-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	<	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.54	100	-
7	pH	pH	8.68	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.73	20	100
11	cadmium	mg/kg	0.006	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.06	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.1	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.45	4	50
21	chloride	mg/kg	89	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	398	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1020	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-11-03/09/2019-0.00-0.70m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS-11-03/09/2019-0.00-0.70m
Moisture content:
6.1%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.294%)
zinc oxide (compound conc.: 0.229%)

Determinands

Moisture content: 6.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		20 mg/kg	1.197	22.482 mg/kg	0.00225 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				41.2 mg/kg	1.895	73.293 mg/kg	0.00733 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		304 mg/kg	1.117	318.713 mg/kg	0.0319 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		16.4 mg/kg	1.855	28.56 mg/kg	0.00286 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32.5 mg/kg	1.462	44.603 mg/kg	0.00446 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		175 mg/kg	3.929	645.642 mg/kg	0.0646 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	3128 mg/kg		2937.192 mg/kg	0.294 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5 mg/kg	1.353	0.635 mg/kg	0.0000635 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3 mg/kg	1.5	4.226 mg/kg	0.000423 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.6	mg/kg	5.358	43.271	mg/kg	0.00433 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		1961	mg/kg	1.245	2291.99	mg/kg	0.229 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		826	mg/kg		775.614	mg/kg	0.0776 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		7.91	pH		7.91	pH	7.91 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.175	mg/kg		<0.175	mg/kg	<0.0000175 %		<LOD
39		coronene		205-881-7	191-07-1		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD

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#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
40		benzo[j]fluoranthene				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
		601-035-00-X	205-910-3	205-82-3							
41		< 2% non-natural materials (Yes/No)				Yes					
				NONNAT_MAT							
								Total:	0.719 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0776%)

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WAC results for sample: WS-11-03/09/2019-0.00-0.70m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	1.56	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	1	-
5	Mineral oil (C10 to C40)	mg/kg	201	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<6.4	100	-
7	pH	pH	7.91	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	1.21	20	100
11	cadmium	mg/kg	0.477	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	0.29	2	50
14	mercury	mg/kg	0.0008	0.01	0.2
15	molybdenum	mg/kg	0.04	0.5	10
16	nickel	mg/kg	0.03	0.4	10
17	lead	mg/kg	5.41	0.5	10
18	antimony	mg/kg	0.14	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	41.86	4	50
21	chloride	mg/kg	26	800	15,000
22	fluoride	mg/kg	3	10	150
23	sulphate	mg/kg	8282	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	15230	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-12-30/08/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-12-30/08/2019-0.00-1.00m
Moisture content:
10.3%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4 mg/kg	1.895	6.798 mg/kg	0.00068 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		79 mg/kg	1.117	79.119 mg/kg	0.00791 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.665 mg/kg	0.0000665 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		41.8 mg/kg	1.462	54.8 mg/kg	0.00548 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		26 mg/kg	3.929	91.633 mg/kg	0.00916 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	207 mg/kg		185.679 mg/kg	0.0186 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.7 mg/kg	1.5	3.633 mg/kg	0.000363 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		15.4 mg/kg	5.358	74.019 mg/kg	0.0074 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2 mg/kg	2.554	4.582 mg/kg	0.000458 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		83 mg/kg	1.245	92.67 mg/kg	0.00927 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.019	mg/kg		0.017	mg/kg	0.0000017 %	✓	
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21	●	pH			PH		8.78	pH		8.78	pH	8.78 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.11	mg/kg		0.0987	mg/kg	0.00000987 %	✓	
23	●	acenaphthylene		205-917-1	208-96-8		0.09	mg/kg		0.0807	mg/kg	0.00000807 %	✓	
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26	●	phenanthrene		201-581-5	85-01-8		0.42	mg/kg		0.377	mg/kg	0.0000377 %	✓	
27	●	anthracene		204-371-1	120-12-7		0.11	mg/kg		0.0987	mg/kg	0.00000987 %	✓	
28	●	fluoranthene		205-912-4	206-44-0		0.66	mg/kg		0.592	mg/kg	0.0000592 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.59	mg/kg		0.529	mg/kg	0.0000529 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.5	mg/kg		0.449	mg/kg	0.0000448 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.5	mg/kg		0.449	mg/kg	0.0000448 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.67	mg/kg		0.601	mg/kg	0.0000601 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.26	mg/kg		0.233	mg/kg	0.0000233 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.48	mg/kg		0.431	mg/kg	0.0000431 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.31	mg/kg		0.278	mg/kg	0.0000278 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.09	mg/kg		0.0807	mg/kg	0.00000807 %	✓	
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.31	mg/kg		0.278	mg/kg	0.0000278 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		0.06	mg/kg		0.0538	mg/kg	0.00000538 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0598 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 1.7e-06%)

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WAC results for sample: WS-12-30/08/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	2.16	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.16	100	-
7	pH	pH	8.78	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.038	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.12	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.05	0.06	0.7
19	selenium	mg/kg	0.07	0.1	0.5
20	zinc	mg/kg	0.04	4	50
21	chloride	mg/kg	8	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	77	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	620	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-12-30/08/2019-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-12-30/08/2019-1.00-2.00m
Moisture content:
13.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4.9 mg/kg	1.895	8.058 mg/kg	0.000806 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		40 mg/kg	1.117	38.765 mg/kg	0.00388 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.644 mg/kg	0.0000644 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		35.5 mg/kg	1.462	45.036 mg/kg	0.0045 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		23 mg/kg	3.929	78.44 mg/kg	0.00784 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	36 mg/kg		31.248 mg/kg	0.00312 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.7 mg/kg	1.5	2.214 mg/kg	0.000221 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		11.9 mg/kg	5.358	55.347 mg/kg	0.00553 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2 mg/kg	2.554	4.433 mg/kg	0.000443 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		38 mg/kg	1.245	41.056 mg/kg	0.00411 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		9.18	pH		9.18	pH	9.18 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.15	mg/kg		0.13	mg/kg	0.000013 %	✓	
27		anthracene		204-371-1	120-12-7		0.06	mg/kg		0.0521	mg/kg	0.00000521 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.33	mg/kg		0.286	mg/kg	0.0000286 %	✓	
29		pyrene		204-927-3	129-00-0		0.28	mg/kg		0.243	mg/kg	0.0000243 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.3	mg/kg		0.26	mg/kg	0.000026 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.24	mg/kg		0.208	mg/kg	0.0000208 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.3	mg/kg		0.26	mg/kg	0.000026 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.11	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.21	mg/kg		0.182	mg/kg	0.0000182 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.1	mg/kg		0.0868	mg/kg	0.00000868 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		0.12	mg/kg		0.104	mg/kg	0.0000104 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0307 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: WS-12-30/08/2019-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.76	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.2	100	-
7	pH	pH	9.18	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.031	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.04	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.05	4	50
21	chloride	mg/kg	87	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	74	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	60	500	800
26	TDS (total dissolved solids)	mg/kg	620	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-13-03/09/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-13-03/09/2019-0.00-1.00m
Moisture content:
21.3%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 21.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		6	mg/kg	1.197	5.653	mg/kg	0.000565 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				20.5	mg/kg	1.895	30.565	mg/kg	0.00306 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		210	mg/kg	1.117	184.525	mg/kg	0.0185 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.9	mg/kg	1.855	1.314	mg/kg	0.000131 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		73.4	mg/kg	1.462	84.428	mg/kg	0.00844 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		152	mg/kg	3.929	470.009	mg/kg	0.047 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	382	mg/kg		300.634	mg/kg	0.0301 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1	mg/kg	1.353	1.065	mg/kg	0.000107 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.5	mg/kg	1.5	5.313	mg/kg	0.000531 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		19.9	mg/kg	5.358	83.918	mg/kg	0.00839 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		285	mg/kg	1.245	279.183	mg/kg	0.0279 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		490	mg/kg		385.63	mg/kg	0.0386 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.68	pH		8.68	pH	8.68 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.79	mg/kg		0.622	mg/kg	0.0000622 %	✓	
23		acenaphthylene		205-917-1	208-96-8		1.33	mg/kg		1.047	mg/kg	0.000105 %	✓	
24		acenaphthene		201-469-6	83-32-9		0.11	mg/kg		0.0866	mg/kg	0.00000866 %	✓	
25		fluorene		201-695-5	86-73-7		0.27	mg/kg		0.212	mg/kg	0.0000212 %	✓	
26		phenanthrene		201-581-5	85-01-8		3.15	mg/kg		2.479	mg/kg	0.000248 %	✓	
27		anthracene		204-371-1	120-12-7		1.4	mg/kg		1.102	mg/kg	0.00011 %	✓	
28		fluoranthene		205-912-4	206-44-0		8.57	mg/kg		6.745	mg/kg	0.000674 %	✓	
29		pyrene		204-927-3	129-00-0		7.43	mg/kg		5.847	mg/kg	0.000585 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		8.24	mg/kg		6.485	mg/kg	0.000648 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		6.77	mg/kg		5.328	mg/kg	0.000533 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		11.79	mg/kg		9.279	mg/kg	0.000928 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		4.59	mg/kg		3.612	mg/kg	0.000361 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		8.72	mg/kg		6.863	mg/kg	0.000686 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		5.83	mg/kg		4.588	mg/kg	0.000459 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.33	mg/kg		1.047	mg/kg	0.000105 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		6.13	mg/kg		4.824	mg/kg	0.000482 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		1.33	mg/kg		1.047	mg/kg	0.000105 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		4	mg/kg		3.148	mg/kg	0.000315 %	✓	
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.19 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0386%)

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WAC results for sample: WS-13-03/09/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	8.07	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	77.78	100	-
7	pH	pH	8.68	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.163	0.5	2
10	barium	mg/kg	0.1	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	0.0002	0.01	0.2
15	molybdenum	mg/kg	0.06	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.06	0.5	10
18	antimony	mg/kg	0.38	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.08	4	50
21	chloride	mg/kg	9	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	234	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	60	500	800
26	TDS (total dissolved solids)	mg/kg	990	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS-13-03/09/2019-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-13-03/09/2019-1.00-2.00m
Moisture content:
19%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	0.97 mg/kg	0.000097 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.7 mg/kg	1.895	5.678 mg/kg	0.000568 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		42 mg/kg	1.117	37.984 mg/kg	0.0038 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5 mg/kg	1.855	0.751 mg/kg	0.0000751 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		69.2 mg/kg	1.462	81.923 mg/kg	0.00819 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		45 mg/kg	3.929	143.214 mg/kg	0.0143 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	60 mg/kg		48.6 mg/kg	0.00486 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.329 mg/kg	0.0000329 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.1 mg/kg	1.5	4.982 mg/kg	0.000498 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		12 mg/kg	5.358	52.083 mg/kg	0.00521 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		51 mg/kg	1.245	51.419 mg/kg	0.00514 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

RECEIVED: 19/09/2025

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.8	pH		8.8	pH	8.8 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.05	mg/kg		0.0405	mg/kg	0.00000405 %	✓	
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.05	mg/kg		0.0405	mg/kg	0.00000405 %	✓	
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0428 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-13-03/09/2019-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	1.51	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.8	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	<0.02	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.06	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.04	4	50
21	chloride	mg/kg	6	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	17	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	40	500	800
26	TDS (total dissolved solids)	mg/kg	710	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS-14-28/08/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-14-28/08/2019-0.00-1.00m
Moisture content:
3.5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.7 mg/kg	1.895	3.108 mg/kg	0.000311 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		13 mg/kg	1.117	14.007 mg/kg	0.0014 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.716 mg/kg	0.0000716 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22.2 mg/kg	1.462	31.311 mg/kg	0.00313 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		11 mg/kg	3.929	41.707 mg/kg	0.00417 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	19 mg/kg		18.335 mg/kg	0.00183 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.2 mg/kg	1.5	3.185 mg/kg	0.000318 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		7.6 mg/kg	5.358	39.298 mg/kg	0.00393 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		183 mg/kg	1.245	219.81 mg/kg	0.022 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

RECEIVED: 19/09/2025

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.44	pH		8.44	pH	8.44 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0371 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-14-28/08/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.1	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	38	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.44	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.16	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.09	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	5	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	3762	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	5910	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-16-03/09/2019-0.00-1.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS-16-03/09/2019-0.00-1.00m
Moisture content:
10.3%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 10: Toxic for reproduction "waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring"

Hazard Statements hit:

Repr. 1A; H360Df "May damage the unborn child. Suspected of damaging fertility."

Because of determinand:

lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.438%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

copper sulphate pentahydrate (compound conc.: 0.127%)
lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.438%)
zinc oxide (compound conc.: 0.34%)

Determinands

Moisture content: 10.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		46 mg/kg	1.197	49.395 mg/kg	0.00494 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				79.5 mg/kg	1.895	135.101 mg/kg	0.0135 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		2381 mg/kg	1.117	2384.585 mg/kg	0.238 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		18.4 mg/kg	1.855	30.609 mg/kg	0.00306 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		60.2 mg/kg	1.462	78.923 mg/kg	0.00789 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		361 mg/kg	3.929	1272.294 mg/kg	0.127 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	4882	mg/kg		4379.154	mg/kg	0.438 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.5	mg/kg	1.353	1.821	mg/kg	0.000182 %	✓	
11		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.1	mg/kg	1.5	5.517	mg/kg	0.000552 %	✓	
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		15.4	mg/kg	5.358	74.019	mg/kg	0.0074 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1	mg/kg	2.554	2.291	mg/kg	0.000229 %	✓	
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		3042	mg/kg	1.245	3396.419	mg/kg	0.34 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		280	mg/kg		251.16	mg/kg	0.0251 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.82	pH		8.82	pH	8.82 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.07	mg/kg		0.0628	mg/kg	0.00000628 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.08	mg/kg		0.0718	mg/kg	0.00000718 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.21	mg/kg		0.188	mg/kg	0.0000188 %	✓	
27		anthracene		204-371-1	120-12-7		0.1	mg/kg		0.0897	mg/kg	0.00000897 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.59	mg/kg		0.529	mg/kg	0.0000529 %	✓	
29		pyrene		204-927-3	129-00-0		0.51	mg/kg		0.457	mg/kg	0.0000457 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.47	mg/kg		0.422	mg/kg	0.0000422 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.42	mg/kg		0.377	mg/kg	0.0000377 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.62	mg/kg		0.556	mg/kg	0.0000556 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.24	mg/kg		0.215	mg/kg	0.0000215 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.46	mg/kg		0.413	mg/kg	0.0000413 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.29	mg/kg		0.26	mg/kg	0.000026 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
36		dibenz[a,h]anthracene				0.07	mg/kg		0.0628	mg/kg	0.00000628 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				0.3	mg/kg		0.269	mg/kg	0.0000269 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				0.07	mg/kg		0.0628	mg/kg	0.00000628 %	✓	
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	1.207 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0251%)

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WAC results for sample: WS-16-03/09/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.95	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	72	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.5	100	-
7	pH	pH	8.82	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.153	0.5	2
10	barium	mg/kg	1.81	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.11	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.6	0.5	10
18	antimony	mg/kg	0.21	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.11	4	50
21	chloride	mg/kg	7	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	132	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	860	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-17-02/09/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-17-02/09/2019-0.00-1.00m
Moisture content:
6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.4 mg/kg	1.895	4.274 mg/kg	0.000427 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		15 mg/kg	1.117	15.743 mg/kg	0.00157 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.523 mg/kg	0.0000523 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18.6 mg/kg	1.462	25.554 mg/kg	0.00256 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		6 mg/kg	3.929	22.16 mg/kg	0.00222 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	11 mg/kg		10.34 mg/kg	0.00103 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.1 mg/kg	1.5	2.961 mg/kg	0.000296 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		7.7 mg/kg	5.358	38.783 mg/kg	0.00388 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		45 mg/kg	1.245	52.651 mg/kg	0.00527 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.65	pH		8.65	pH	8.65 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0173 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-17-02/09/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.1	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.65	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.11	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.07	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	39	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	2582	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	4262	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-18-02/09/2019-0.00-1.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS-18-02/09/2019-0.00-1.00m
Moisture content:
9.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

lead compounds with the exception of those specified elsewhere in this Annex (Note 1 conc.: 0.178%)
zinc oxide (compound conc.: 0.201%)

Determinands

Moisture content: 9.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.001 %		<0.001 %	<0.001 %		<**LOD**
2	asbestos fibres detected (Yes/No)			ACM_FIBRES		Yes					
3	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		12 mg/kg	1.197	12.957 mg/kg	0.0013 %	✓	
4	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				24.7 mg/kg	1.895	42.209 mg/kg	0.00422 %	✓	
5	barium { barium oxide }		215-127-9	1304-28-5		590 mg/kg	1.117	594.182 mg/kg	0.0594 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		15.5 mg/kg	1.855	25.929 mg/kg	0.00259 %	✓	
7	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	21.093 mg/kg	0.00211 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		142 mg/kg	3.929	503.249 mg/kg	0.0503 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
10		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	1976	mg/kg		1782.352	mg/kg	0.178 %	✓	
11		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6	mg/kg	1.353	0.733	mg/kg	0.0000733 %	✓	
12		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.2	mg/kg	1.5	1.624	mg/kg	0.000162 %	✓	
13		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13.3	mg/kg	5.358	64.282	mg/kg	0.00643 %	✓	
14		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
15		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		1791	mg/kg	1.245	2010.813	mg/kg	0.201 %	✓	
16		TPH (C6 to C40) petroleum group			TPH		326	mg/kg		294.052	mg/kg	0.0294 %	✓	
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
21		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22		pH			PH		8.41	pH		8.41	pH	8.41 pH		
23		naphthalene	601-052-00-2	202-049-5	91-20-3		0.57	mg/kg		0.514	mg/kg	0.0000514 %	✓	
24		acenaphthylene		205-917-1	208-96-8		0.89	mg/kg		0.803	mg/kg	0.0000803 %	✓	
25		acenaphthene		201-469-6	83-32-9		0.19	mg/kg		0.171	mg/kg	0.0000171 %	✓	
26		fluorene		201-695-5	86-73-7		0.52	mg/kg		0.469	mg/kg	0.0000469 %	✓	
27		phenanthrene		201-581-5	85-01-8		3.38	mg/kg		3.049	mg/kg	0.000305 %	✓	
28		anthracene		204-371-1	120-12-7		1.82	mg/kg		1.642	mg/kg	0.000164 %	✓	
29		fluoranthene		205-912-4	206-44-0		8	mg/kg		7.216	mg/kg	0.000722 %	✓	
30		pyrene		204-927-3	129-00-0		6.73	mg/kg		6.07	mg/kg	0.000607 %	✓	
31		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		4.79	mg/kg		4.321	mg/kg	0.000432 %	✓	
32		chrysene	601-048-00-0	205-923-4	218-01-9		4.33	mg/kg		3.906	mg/kg	0.000391 %	✓	
33		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		5.72	mg/kg		5.159	mg/kg	0.000516 %	✓	
34		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		2.23	mg/kg		2.011	mg/kg	0.000201 %	✓	
35		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		4.42	mg/kg		3.987	mg/kg	0.000399 %	✓	
36		indeno[123-cd]pyrene		205-893-2	193-39-5		2.88	mg/kg		2.598	mg/kg	0.00026 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
37		dibenz[a,h]anthracene				0.53	mg/kg		0.478	mg/kg	0.0000478 %	✓	
		601-041-00-2	200-181-8	53-70-3									
38		benzo[ghi]perylene				2.58	mg/kg		2.327	mg/kg	0.000233 %	✓	
			205-883-8	191-24-2									
39		polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		**<LOD**
		602-039-00-4	215-648-1	1336-36-3									
40		coronene				0.5	mg/kg		0.451	mg/kg	0.0000451 %	✓	
			205-881-7	191-07-1									
41		benzo[j]fluoranthene				2	mg/kg		1.804	mg/kg	0.00018 %	✓	
		601-035-00-X	205-910-3	205-82-3									
42		< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.54 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0294%)

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WAC results for sample: WS-18-02/09/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	<	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	108	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	50.08	100	-
7	pH	pH	8.41	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.033	0.5	2
10	barium	mg/kg	0.25	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	0.018	0.5	10
13	copper	mg/kg	0.28	2	50
14	mercury	mg/kg	0.0005	0.01	0.2
15	molybdenum	mg/kg	0.06	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.11	0.5	10
18	antimony	mg/kg	0.27	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.29	4	50
21	chloride	mg/kg	23	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	189	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	170	500	800
26	TDS (total dissolved solids)	mg/kg	1330	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS-18-02/09/2019-1.00-2.00m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS-18-02/09/2019-1.00-2.00m
Moisture content:
14.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.157%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.157%)

Determinands

Moisture content: 14.2% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		0.051 %		0.0438 %	0.0438 %	✓	
2		asbestos fibres detected (Yes/No)			ACM_FIBRES		Yes					
3		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		17 mg/kg	1.197	17.461 mg/kg	0.00175 %	✓	
4		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				14.7 mg/kg	1.895	23.895 mg/kg	0.00239 %	✓	
5		barium { barium oxide }		215-127-9	1304-28-5		1329 mg/kg	1.117	1273.132 mg/kg	0.127 %	✓	
6		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.5 mg/kg	1.855	2.387 mg/kg	0.000239 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
7		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19.9	mg/kg	1.462	24.955	mg/kg	0.0025 %	✓	
8		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<**LOD**
9		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		96	mg/kg	3.929	323.628	mg/kg	0.0324 %	✓	
10		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	938	mg/kg		804.804	mg/kg	0.0805 %	✓	
11		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
12		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1	mg/kg	1.5	1.287	mg/kg	0.000129 %	✓	
13		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13.7	mg/kg	5.358	62.985	mg/kg	0.0063 %	✓	
14		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2	mg/kg	2.554	4.382	mg/kg	0.000438 %	✓	
15		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		1033	mg/kg	1.245	1103.207	mg/kg	0.11 %	✓	
16		TPH (C6 to C40) petroleum group			TPH		1834	mg/kg		1573.572	mg/kg	0.157 %	✓	
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
21		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
22		pH			PH		8.71	pH		8.71	pH	8.71 pH		
23		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
24		acenaphthylene		205-917-1	208-96-8		1.9	mg/kg		1.63	mg/kg	0.000163 %	✓	
25		acenaphthene		201-469-6	83-32-9		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
26		fluorene		201-695-5	86-73-7		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
27		phenanthrene		201-581-5	85-01-8		1.05	mg/kg		0.901	mg/kg	0.0000901 %	✓	
28		anthracene		204-371-1	120-12-7		1.06	mg/kg		0.909	mg/kg	0.0000909 %	✓	
29		fluoranthene		205-912-4	206-44-0		3.94	mg/kg		3.381	mg/kg	0.000338 %	✓	
30		pyrene		204-927-3	129-00-0		5.2	mg/kg		4.462	mg/kg	0.000446 %	✓	
31		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.34	mg/kg		2.008	mg/kg	0.000201 %	✓	
32		chrysene	601-048-00-0	205-923-4	218-01-9		4.07	mg/kg		3.492	mg/kg	0.000349 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
33		benzo[b]fluoranthene				14.05	mg/kg		12.055	mg/kg	0.00121 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				5.46	mg/kg		4.685	mg/kg	0.000468 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		benzo[a]pyrene; benzo[def]chrysene				12.7	mg/kg		10.897	mg/kg	0.00109 %	✓	
		601-032-00-3	200-028-5	50-32-8									
36	●	indeno[123-cd]pyrene				12.85	mg/kg		11.025	mg/kg	0.0011 %	✓	
			205-893-2	193-39-5									
37		dibenz[a,h]anthracene				2.17	mg/kg		1.862	mg/kg	0.000186 %	✓	
		601-041-00-2	200-181-8	53-70-3									
38	●	benzo[ghi]perylene				13.63	mg/kg		11.695	mg/kg	0.00117 %	✓	
			205-883-8	191-24-2									
39	●	polychlorobiphenyls; PCB				<0.175	mg/kg		<0.175	mg/kg	<0.0000175 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
40	●	coronene				2.42	mg/kg		2.076	mg/kg	0.000208 %	✓	
			205-881-7	191-07-1									
41		benzo[j]fluoranthene				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
42	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.572 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.157%)

RECEIVED: 19/09/2025

WAC results for sample: WS-18-02/09/2019-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	<	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	1	-
5	Mineral oil (C10 to C40)	mg/kg	191	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	82.84	100	-
7	pH	pH	8.71	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.08	0.5	2
10	barium	mg/kg	0.11	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	0.14	2	50
14	mercury	mg/kg	0.0003	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	0.06	0.5	10
18	antimony	mg/kg	0.1	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.07	4	50
21	chloride	mg/kg	90	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	403	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	70	500	800
26	TDS (total dissolved solids)	mg/kg	1520	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-18-02/09/2019-2.00-2.80m

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS-18-02/09/2019-2.00-2.80m
Moisture content:
25.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.137%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.137%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

copper sulphate pentahydrate (compound conc.: 0.627%)
zinc oxide (compound conc.: 0.264%)

Determinands

Moisture content: 25.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		10	mg/kg	1.197	8.906	mg/kg	0.000891 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				61.9	mg/kg	1.895	87.25	mg/kg	0.00872 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		452	mg/kg	1.117	375.468	mg/kg	0.0375 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		9.3	mg/kg	1.855	12.832	mg/kg	0.00128 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		77	mg/kg	1.462	83.73	mg/kg	0.00837 %	✓	
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3	mg/kg	2.27	<0.681	mg/kg	<0.0000681 %		<**LOD**
8		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		2146	mg/kg	3.929	6273.22	mg/kg	0.627 %	✓	
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	956	mg/kg		711.264	mg/kg	0.0711 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.7	mg/kg	1.353	0.705	mg/kg	0.0000705 %	✓	
11		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.9	mg/kg	1.5	5.469	mg/kg	0.000547 %	✓	
12		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		47.8	mg/kg	5.358	190.559	mg/kg	0.0191 %	✓	
13		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1	mg/kg	2.554	1.9	mg/kg	0.00019 %	✓	
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		2850	mg/kg	1.245	2639.292	mg/kg	0.264 %	✓	
15		TPH (C6 to C40) petroleum group			TPH		1837	mg/kg		1366.728	mg/kg	0.137 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		7.91	pH		7.91	pH	7.91 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		1.18	mg/kg		0.878	mg/kg	0.0000878 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.73	mg/kg		0.543	mg/kg	0.0000543 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		4.88	mg/kg		3.631	mg/kg	0.000363 %	✓	
27		anthracene		204-371-1	120-12-7		1.34	mg/kg		0.997	mg/kg	0.0000997 %	✓	
28		fluoranthene		205-912-4	206-44-0		7.72	mg/kg		5.744	mg/kg	0.000574 %	✓	
29		pyrene		204-927-3	129-00-0		7.01	mg/kg		5.215	mg/kg	0.000522 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		5.37	mg/kg		3.995	mg/kg	0.0004 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		5.68	mg/kg		4.226	mg/kg	0.000423 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
32		benzo[b]fluoranthene				6.78	mg/kg		5.044	mg/kg	0.000504 %	✓	
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				2.63	mg/kg		1.957	mg/kg	0.000196 %	✓	
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				4.69	mg/kg		3.489	mg/kg	0.000349 %	✓	
		601-032-00-3	200-028-5	50-32-8									
35	●	indeno[123-cd]pyrene				3.26	mg/kg		2.425	mg/kg	0.000243 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.94	mg/kg		0.699	mg/kg	0.0000699 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37	●	benzo[ghi]perylene				3.32	mg/kg		2.47	mg/kg	0.000247 %	✓	
			205-883-8	191-24-2									
38	●	polychlorobiphenyls; PCB				<0.175	mg/kg		<0.175	mg/kg	<0.0000175 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39	●	coronene				0.64	mg/kg		0.476	mg/kg	0.0000476 %	✓	
			205-881-7	191-07-1									
40		benzo[j]fluoranthene				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
		601-035-00-X	205-910-3	205-82-3									
41	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	1.18 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.137%)

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WAC results for sample: WS-18-02/09/2019-2.00-2.80m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	20.55	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	1	-
5	Mineral oil (C10 to C40)	mg/kg	819	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	56.17	100	-
7	pH	pH	7.91	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.068	0.5	2
10	barium	mg/kg	0.31	20	100
11	cadmium	mg/kg	0.017	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	0.15	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.06	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	6.07	4	50
21	chloride	mg/kg	67	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	1495	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	4030	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-19-03/09/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-19-03/09/2019-0.00-1.00m
Moisture content:
8.5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.1 mg/kg	1.895	5.374 mg/kg	0.000537 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		28 mg/kg	1.117	28.605 mg/kg	0.00286 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.7 mg/kg	1.855	1.188 mg/kg	0.000119 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19.7 mg/kg	1.462	26.345 mg/kg	0.00263 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		16 mg/kg	3.929	57.521 mg/kg	0.00575 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	30 mg/kg		27.45 mg/kg	0.00275 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.4 mg/kg	1.5	3.294 mg/kg	0.000329 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		9.3 mg/kg	5.358	45.597 mg/kg	0.00456 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		49 mg/kg	1.245	55.807 mg/kg	0.00558 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		232 mg/kg		212.28 mg/kg	0.0212 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		10.05	pH		10.05	pH	10.05 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.24	mg/kg		0.22	mg/kg	0.000022 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.08	mg/kg		0.0732	mg/kg	0.00000732 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.05	mg/kg		0.0457	mg/kg	0.00000457 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.51	mg/kg		0.467	mg/kg	0.0000467 %	✓	
27		anthracene		204-371-1	120-12-7		0.17	mg/kg		0.156	mg/kg	0.0000156 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.91	mg/kg		0.833	mg/kg	0.0000833 %	✓	
29		pyrene		204-927-3	129-00-0		0.79	mg/kg		0.723	mg/kg	0.0000723 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.54	mg/kg		0.494	mg/kg	0.0000494 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.5	mg/kg		0.458	mg/kg	0.0000457 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.71	mg/kg		0.65	mg/kg	0.000065 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.27	mg/kg		0.247	mg/kg	0.0000247 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.54	mg/kg		0.494	mg/kg	0.0000494 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.39	mg/kg		0.357	mg/kg	0.0000357 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.09	mg/kg		0.0823	mg/kg	0.00000823 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.36	mg/kg		0.329	mg/kg	0.0000329 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.08	mg/kg		0.0732	mg/kg	0.00000732 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0469 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0212%)

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WAC results for sample: WS-19-03/09/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.44	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	34	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.23	100	-
7	pH	pH	10.05	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.04	0.5	2
10	barium	mg/kg	0.16	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	0.21	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.18	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	0.09	0.1	0.5
20	zinc	mg/kg	0.03	4	50
21	chloride	mg/kg	6	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	105	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	40	500	800
26	TDS (total dissolved solids)	mg/kg	950	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-19-03/09/2019-1.00-1.60m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-19-03/09/2019-1.00-1.60m
Moisture content:
11.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.056 mg/kg	0.000106 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.6 mg/kg	1.895	6.015 mg/kg	0.000602 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		76 mg/kg	1.117	74.842 mg/kg	0.00748 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.7 mg/kg	1.855	1.145 mg/kg	0.000115 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		77.2 mg/kg	1.462	99.518 mg/kg	0.00995 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		37 mg/kg	3.929	128.221 mg/kg	0.0128 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	47 mg/kg		41.454 mg/kg	0.00415 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.2 mg/kg	1.5	4.234 mg/kg	0.000423 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		18.1 mg/kg	5.358	85.541 mg/kg	0.00855 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		82 mg/kg	1.245	90.023 mg/kg	0.009 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.59	pH		8.59	pH	8.59 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.11	mg/kg		0.097	mg/kg	0.0000097 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.11	mg/kg		0.097	mg/kg	0.0000097 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.06	mg/kg		0.0529	mg/kg	0.00000529 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.91	mg/kg		0.803	mg/kg	0.0000803 %	✓	
27		anthracene		204-371-1	120-12-7		0.31	mg/kg		0.273	mg/kg	0.0000273 %	✓	
28		fluoranthene		205-912-4	206-44-0		1.87	mg/kg		1.649	mg/kg	0.000165 %	✓	
29		pyrene		204-927-3	129-00-0		1.56	mg/kg		1.376	mg/kg	0.000138 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.01	mg/kg		0.891	mg/kg	0.0000891 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.93	mg/kg		0.82	mg/kg	0.000082 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.16	mg/kg		1.023	mg/kg	0.000102 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.45	mg/kg		0.397	mg/kg	0.0000397 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.88	mg/kg		0.776	mg/kg	0.0000776 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.5	mg/kg		0.441	mg/kg	0.0000441 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.11	mg/kg		0.097	mg/kg	0.0000097 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.5	mg/kg		0.441	mg/kg	0.0000441 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.1	mg/kg		0.0882	mg/kg	0.00000882 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0541 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-19-03/09/2019-1.00-1.60m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.7	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.57	100	-
7	pH	pH	8.59	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.18	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.17	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.03	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	21	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	352	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	1031	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS-20-29/08/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-20-29/08/2019-0.00-1.00m
Moisture content:
5.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.128 mg/kg	0.000113 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.5 mg/kg	1.895	6.246 mg/kg	0.000625 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		36 mg/kg	1.117	37.863 mg/kg	0.00379 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.6 mg/kg	1.855	1.048 mg/kg	0.000105 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32.1 mg/kg	1.462	44.195 mg/kg	0.00442 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		36 mg/kg	3.929	133.242 mg/kg	0.0133 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	72 mg/kg		67.824 mg/kg	0.00678 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.2 mg/kg	1.353	0.255 mg/kg	0.0000255 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.4 mg/kg	1.5	4.805 mg/kg	0.00048 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13.2 mg/kg	5.358	66.627 mg/kg	0.00666 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		1070 mg/kg	1.245	1254.597 mg/kg	0.125 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

RECEIVED: 19/09/2025

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		9.44	pH		9.44	pH	9.44 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.04	mg/kg		0.0377	mg/kg	0.00000377 %	✓	
29		pyrene		204-927-3	129-00-0		0.03	mg/kg		0.0283	mg/kg	0.00000283 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.162 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-20-29/08/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.26	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	9.44	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.039	0.5	2
10	barium	mg/kg	0.15	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	0.0001	0.01	0.2
15	molybdenum	mg/kg	0.16	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	0.05	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	5	800	15,000
22	fluoride	mg/kg	3	10	150
23	sulphate	mg/kg	605	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	1661	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS-21-29/08/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-21-29/08/2019-0.00-1.00m
Moisture content:
10.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.067 mg/kg	0.000107 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5 mg/kg	1.895	8.44 mg/kg	0.000844 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		46 mg/kg	1.117	45.761 mg/kg	0.00458 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.661 mg/kg	0.0000661 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		57.5 mg/kg	1.462	74.879 mg/kg	0.00749 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		24 mg/kg	3.929	84.019 mg/kg	0.0084 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	69 mg/kg		61.479 mg/kg	0.00615 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.2 mg/kg	1.5	4.277 mg/kg	0.000428 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		12.9 mg/kg	5.358	61.588 mg/kg	0.00616 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		57 mg/kg	1.245	63.215 mg/kg	0.00632 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		9	pH		9	pH	9pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.04	mg/kg		0.0356	mg/kg	0.00000356 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.08	mg/kg		0.0713	mg/kg	0.00000713 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		0.04	mg/kg		0.0356	mg/kg	0.00000356 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.58	mg/kg		0.517	mg/kg	0.0000517 %	✓	
27		anthracene		204-371-1	120-12-7		0.28	mg/kg		0.249	mg/kg	0.0000249 %	✓	
28		fluoranthene		205-912-4	206-44-0		1.12	mg/kg		0.998	mg/kg	0.0000998 %	✓	
29		pyrene		204-927-3	129-00-0		1.02	mg/kg		0.909	mg/kg	0.0000909 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.81	mg/kg		0.722	mg/kg	0.0000722 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.71	mg/kg		0.633	mg/kg	0.0000633 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.87	mg/kg		0.775	mg/kg	0.0000775 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.34	mg/kg		0.303	mg/kg	0.0000303 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.66	mg/kg		0.588	mg/kg	0.0000588 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.44	mg/kg		0.392	mg/kg	0.0000392 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.11	mg/kg		0.098	mg/kg	0.0000098 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.49	mg/kg		0.437	mg/kg	0.0000437 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.12	mg/kg		0.107	mg/kg	0.0000107 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0412 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: WS-21-29/08/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	1.09	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.71	100	-
7	pH	pH	9	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.03	0.5	2
10	barium	mg/kg	0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.04	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	17	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	99	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	610	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-21-29/08/2019-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-21-29/08/2019-1.00-2.00m
Moisture content:
16.7%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16.7% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3 mg/kg	1.197	2.992 mg/kg	0.000299 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				7.4 mg/kg	1.895	11.678 mg/kg	0.00117 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		165 mg/kg	1.117	153.458 mg/kg	0.0153 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.9 mg/kg	1.855	1.39 mg/kg	0.000139 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		79.3 mg/kg	1.462	96.546 mg/kg	0.00965 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		46 mg/kg	3.929	150.553 mg/kg	0.0151 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	395 mg/kg		329.035 mg/kg	0.0329 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.1 mg/kg	1.353	0.113 mg/kg	0.0000113 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.8 mg/kg	1.5	5.998 mg/kg	0.0006 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		19.7 mg/kg	5.358	87.931 mg/kg	0.00879 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		275 mg/kg	1.245	285.133 mg/kg	0.0285 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		0.007	mg/kg		0.0058	mg/kg	0.000000583 %	✓	
19	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21	●	pH			PH		8.58	pH		8.58	pH	8.58 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.07	mg/kg		0.0583	mg/kg	0.00000583 %	✓	
23	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
24	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26	●	phenanthrene		201-581-5	85-01-8		0.18	mg/kg		0.15	mg/kg	0.000015 %	✓	
27	●	anthracene		204-371-1	120-12-7		0.06	mg/kg		0.05	mg/kg	0.000005 %	✓	
28	●	fluoranthene		205-912-4	206-44-0		0.42	mg/kg		0.35	mg/kg	0.000035 %	✓	
29	●	pyrene		204-927-3	129-00-0		0.41	mg/kg		0.342	mg/kg	0.0000342 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.32	mg/kg		0.267	mg/kg	0.0000267 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.3	mg/kg		0.25	mg/kg	0.000025 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.42	mg/kg		0.35	mg/kg	0.000035 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.17	mg/kg		0.142	mg/kg	0.0000142 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.31	mg/kg		0.258	mg/kg	0.0000258 %	✓	
35	●	indeno[123-cd]pyrene		205-893-2	193-39-5		0.2	mg/kg		0.167	mg/kg	0.0000167 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
37	●	benzo[ghi]perylene		205-883-8	191-24-2		0.2	mg/kg		0.167	mg/kg	0.0000167 %	✓	
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39	●	coronene		205-881-7	191-07-1		0.06	mg/kg		0.05	mg/kg	0.000005 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41	●	< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.113 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 5.83e-07%)

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WAC results for sample: WS-21-29/08/2019-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	2.78	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.12	100	-
7	pH	pH	8.58	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.12	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.06	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.04	4	50
21	chloride	mg/kg	89	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	212	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	50	500	800
26	TDS (total dissolved solids)	mg/kg	1421	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-21-29/08/2019-2.00-3.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-21-29/08/2019-2.00-3.00m
Moisture content:
12.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.046 mg/kg	0.000105 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5.4 mg/kg	1.895	8.941 mg/kg	0.000894 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		47 mg/kg	1.117	45.864 mg/kg	0.00459 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1 mg/kg	1.855	1.621 mg/kg	0.000162 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		88.6 mg/kg	1.462	113.178 mg/kg	0.0113 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		19 mg/kg	3.929	65.246 mg/kg	0.00652 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	21 mg/kg		18.354 mg/kg	0.00184 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.2 mg/kg	1.5	6.818 mg/kg	0.000682 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		21.3 mg/kg	5.358	99.751 mg/kg	0.00998 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		52 mg/kg	1.245	56.57 mg/kg	0.00566 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.55	pH		8.55	pH	8.55 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0417 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: WS-21-29/08/2019-2.00-3.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.68	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	8.55	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.03	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	182	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	187	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	1220	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-21-29/08/2019-3.00-4.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-21-29/08/2019-3.00-4.00m
Moisture content:
11.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2 mg/kg	1.197	2.112 mg/kg	0.000211 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5.3 mg/kg	1.895	8.856 mg/kg	0.000886 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		65 mg/kg	1.117	64.009 mg/kg	0.0064 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.8 mg/kg	1.855	1.309 mg/kg	0.000131 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		75.1 mg/kg	1.462	96.811 mg/kg	0.00968 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		21 mg/kg	3.929	72.774 mg/kg	0.00728 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	46 mg/kg		40.572 mg/kg	0.00406 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.9 mg/kg	1.5	5.16 mg/kg	0.000516 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		22.8 mg/kg	5.358	107.754 mg/kg	0.0108 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		76 mg/kg	1.245	83.436 mg/kg	0.00834 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		105 mg/kg		92.61 mg/kg	0.00926 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.95	pH		8.95	pH	8.95 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.07	mg/kg		0.0617	mg/kg	0.00000617 %	✓	
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.17	mg/kg		0.15	mg/kg	0.000015 %	✓	
29		pyrene		204-927-3	129-00-0		0.17	mg/kg		0.15	mg/kg	0.000015 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.14	mg/kg		0.123	mg/kg	0.0000123 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.12	mg/kg		0.106	mg/kg	0.0000106 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.17	mg/kg		0.15	mg/kg	0.000015 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.07	mg/kg		0.0617	mg/kg	0.00000617 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.12	mg/kg		0.106	mg/kg	0.0000106 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.09	mg/kg		0.0794	mg/kg	0.00000794 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		0.1	mg/kg		0.0882	mg/kg	0.00000882 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0576 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00926%)

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WAC results for sample: WS-21-29/08/2019-3.00-4.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.72	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	105	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.22	100	-
7	pH	pH	8.95	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	<0.03	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.07	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	167	800	15,000
22	fluoride	mg/kg	<3	10	150
23	sulphate	mg/kg	129	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	980	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-22-29/08/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-22-29/08/2019-0.00-1.00m
Moisture content:
8.1%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2 mg/kg	1.197	2.2 mg/kg	0.00022 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				6.6 mg/kg	1.895	11.491 mg/kg	0.00115 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		85 mg/kg	1.117	87.216 mg/kg	0.00872 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.1 mg/kg	1.855	1.875 mg/kg	0.000187 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		50.7 mg/kg	1.462	68.099 mg/kg	0.00681 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<**LOD**
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		41 mg/kg	3.929	148.043 mg/kg	0.0148 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	155 mg/kg		142.445 mg/kg	0.0142 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.8 mg/kg	1.5	3.86 mg/kg	0.000386 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		10.9 mg/kg	5.358	53.675 mg/kg	0.00537 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		192 mg/kg	1.245	219.627 mg/kg	0.022 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		70 mg/kg		64.33 mg/kg	0.00643 %	✓	

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.57	pH		8.57	pH	8.57 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.04	mg/kg		0.0368	mg/kg	0.00000368 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.05	mg/kg		0.046	mg/kg	0.00000459 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		0.15	mg/kg		0.138	mg/kg	0.0000138 %	✓	
27		anthracene		204-371-1	120-12-7		0.05	mg/kg		0.046	mg/kg	0.00000459 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.37	mg/kg		0.34	mg/kg	0.000034 %	✓	
29		pyrene		204-927-3	129-00-0		0.34	mg/kg		0.312	mg/kg	0.0000312 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.32	mg/kg		0.294	mg/kg	0.0000294 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.26	mg/kg		0.239	mg/kg	0.0000239 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.39	mg/kg		0.358	mg/kg	0.0000358 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.15	mg/kg		0.138	mg/kg	0.0000138 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.28	mg/kg		0.257	mg/kg	0.0000257 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.2	mg/kg		0.184	mg/kg	0.0000184 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.04	mg/kg		0.0368	mg/kg	0.00000368 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.22	mg/kg		0.202	mg/kg	0.0000202 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.05	mg/kg		0.046	mg/kg	0.00000459 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0806 %		

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Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: Solid waste without liquid phase

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00643%)

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WAC results for sample: WS-22-29/08/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.62	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.91	100	-
7	pH	pH	8.57	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	0.026	0.5	2
10	barium	mg/kg	0.11	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.08	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.03	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	8	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	683	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	<20	500	800
26	TDS (total dissolved solids)	mg/kg	1560	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS-23-02/09/2019-0.00-1.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-23-02/09/2019-0.00-1.00m
Moisture content:
7.7%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.7% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2 mg/kg	1.197	2.21 mg/kg	0.000221 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				5.4 mg/kg	1.895	9.443 mg/kg	0.000944 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		108 mg/kg	1.117	111.298 mg/kg	0.0111 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		3 mg/kg	1.855	5.135 mg/kg	0.000514 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		71.4 mg/kg	1.462	96.32 mg/kg	0.00963 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		48 mg/kg	3.929	174.073 mg/kg	0.0174 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	264 mg/kg		243.672 mg/kg	0.0244 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.2 mg/kg	1.353	0.25 mg/kg	0.000025 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.1 mg/kg	1.5	5.677 mg/kg	0.000568 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		14 mg/kg	5.358	69.24 mg/kg	0.00692 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		309 mg/kg	1.245	355.001 mg/kg	0.0355 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		8.35	pH		8.35	pH	8.35 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.1	mg/kg		0.0923	mg/kg	0.00000923 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.05	mg/kg		0.0462	mg/kg	0.00000462 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		0.06	mg/kg		0.0554	mg/kg	0.00000554 %	✓	
26		phenanthrene		201-581-5	85-01-8		0.32	mg/kg		0.295	mg/kg	0.0000295 %	✓	
27		anthracene		204-371-1	120-12-7		0.16	mg/kg		0.148	mg/kg	0.0000148 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.61	mg/kg		0.563	mg/kg	0.0000563 %	✓	
29		pyrene		204-927-3	129-00-0		0.51	mg/kg		0.471	mg/kg	0.0000471 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.39	mg/kg		0.36	mg/kg	0.000036 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.32	mg/kg		0.295	mg/kg	0.0000295 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.45	mg/kg		0.415	mg/kg	0.0000415 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.17	mg/kg		0.157	mg/kg	0.0000157 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.35	mg/kg		0.323	mg/kg	0.0000323 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.23	mg/kg		0.212	mg/kg	0.0000212 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.04	mg/kg		0.0369	mg/kg	0.00000369 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.24	mg/kg		0.222	mg/kg	0.0000222 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		0.05	mg/kg		0.0462	mg/kg	0.00000462 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.108 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

RECEIVED: 19/09/2025

WAC results for sample: WS-23-02/09/2019-0.00-1.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	1.51	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.05	100	-
7	pH	pH	8.35	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.28	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.19	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	0.06	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.05	4	50
21	chloride	mg/kg	3	800	15,000
22	fluoride	mg/kg	5	10	150
23	sulphate	mg/kg	2089	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	20	500	800
26	TDS (total dissolved solids)	mg/kg	3780	4,000	60,000

Key

	User supplied data
	Not applicable

RECEIVED: 19/09/2025

Classification of sample: WS-23-02/09/2019-1.00-2.00m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-23-02/09/2019-1.00-2.00m
Moisture content:
9.4%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 9.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2 mg/kg	1.197	2.169 mg/kg	0.000217 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.7 mg/kg	1.895	4.634 mg/kg	0.000463 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		87 mg/kg	1.117	88.005 mg/kg	0.0088 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.504 mg/kg	0.0000504 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		131.9 mg/kg	1.462	174.658 mg/kg	0.0175 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		47 mg/kg	3.929	167.307 mg/kg	0.0167 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	61 mg/kg		55.266 mg/kg	0.00553 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.6 mg/kg	1.5	7.611 mg/kg	0.000761 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		24.2 mg/kg	5.358	117.482 mg/kg	0.0117 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		89 mg/kg	1.245	100.366 mg/kg	0.01 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		pH			PH		8.81	pH		8.81	pH	8.81 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.08	mg/kg		0.0725	mg/kg	0.00000725 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.08	mg/kg		0.0725	mg/kg	0.00000725 %	✓	
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		0.3	mg/kg		0.272	mg/kg	0.0000272 %	✓	
27		anthracene		204-371-1	120-12-7		0.14	mg/kg		0.127	mg/kg	0.0000127 %	✓	
28		fluoranthene		205-912-4	206-44-0		0.79	mg/kg		0.716	mg/kg	0.0000716 %	✓	
29		pyrene		204-927-3	129-00-0		0.72	mg/kg		0.652	mg/kg	0.0000652 %	✓	
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.56	mg/kg		0.507	mg/kg	0.0000507 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.59	mg/kg		0.535	mg/kg	0.0000535 %	✓	
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.72	mg/kg		0.652	mg/kg	0.0000652 %	✓	
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.28	mg/kg		0.254	mg/kg	0.0000254 %	✓	
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.54	mg/kg		0.489	mg/kg	0.0000489 %	✓	
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.3	mg/kg		0.272	mg/kg	0.0000272 %	✓	
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.07	mg/kg		0.0634	mg/kg	0.00000634 %	✓	
37		benzo[ghi]perylene		205-883-8	191-24-2		0.31	mg/kg		0.281	mg/kg	0.0000281 %	✓	
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
39		coronene		205-881-7	191-07-1		0.08	mg/kg		0.0725	mg/kg	0.00000725 %	✓	
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0723 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: WS-23-02/09/2019-1.00-2.00m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.84	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.56	100	-
7	pH	pH	8.81	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.21	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	0.08	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.08	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	<0.03	0.1	0.5
20	zinc	mg/kg	0.05	4	50
21	chloride	mg/kg	<3	800	15,000
22	fluoride	mg/kg	4	10	150
23	sulphate	mg/kg	212	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	780	4,000	60,000

Key

	User supplied data
	Not applicable

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Classification of sample: WS-24-02/09/2019-0.00-0.50m

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS-24-02/09/2019-0.00-0.50m
Moisture content:
7.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.9 mg/kg	1.895	5.066 mg/kg	0.000507 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		19 mg/kg	1.117	19.559 mg/kg	0.00196 %	✓	
5	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5 mg/kg	1.855	0.855 mg/kg	0.0000855 %	✓	
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25.6 mg/kg	1.462	34.497 mg/kg	0.00345 %	✓	
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.3 mg/kg	2.27	<0.681 mg/kg	<0.0000681 %		<LOD
8	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		8 mg/kg	3.929	28.981 mg/kg	0.0029 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	5 mg/kg		4.61 mg/kg	0.000461 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.4 mg/kg	1.5	4.703 mg/kg	0.00047 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		12.3 mg/kg	5.358	60.767 mg/kg	0.00608 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		13 mg/kg	1.245	14.919 mg/kg	0.00149 %	✓	
15	TPH (C6 to C40) petroleum group			TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD

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#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		pH			PH		10.52	pH		10.52	pH	10.52 pH		
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
39		coronene		205-881-7	191-07-1		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
40		benzo[j]fluoranthene	601-035-00-X	205-910-3	205-82-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
41		< 2% non-natural materials (Yes/No)			NONNAT_MAT		Yes							
											Total:	0.0174 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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WAC results for sample: WS-24-02/09/2019-0.00-0.50m

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "Ireland"
The WAC used in this report are the WAC defined for the inert and non-hazardous classes of landfill in the Republic of Ireland. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

None of the WAC limits can be applied to this sample.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits	
#	Determinand		User entered data	Inert waste landfill	Non hazardous waste landfill
1	TOC (total organic carbon)	%	0.21	3	5
2	LOI (loss on ignition)	%		-	-
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	6	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	1	-
5	Mineral oil (C10 to C40)	mg/kg	<30	500	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	100	-
7	pH	pH	10.52	-	>6
8	ANC (acid neutralisation capacity)	mol/kg		-	-
Eluate Analysis 10:1					
9	arsenic	mg/kg	<0.025	0.5	2
10	barium	mg/kg	0.14	20	100
11	cadmium	mg/kg	<0.005	0.04	1
12	chromium	mg/kg	<0.015	0.5	10
13	copper	mg/kg	<0.07	2	50
14	mercury	mg/kg	<0.0001	0.01	0.2
15	molybdenum	mg/kg	0.26	0.5	10
16	nickel	mg/kg	<0.02	0.4	10
17	lead	mg/kg	<0.05	0.5	10
18	antimony	mg/kg	<0.02	0.06	0.7
19	selenium	mg/kg	0.11	0.1	0.5
20	zinc	mg/kg	<0.03	4	50
21	chloride	mg/kg	8	800	15,000
22	fluoride	mg/kg	8	10	150
23	sulphate	mg/kg	4703	1,000	20,000
24	phenol index	mg/kg	<0.1	1	-
25	DOC (dissolved organic carbon)	mg/kg	30	500	800
26	TDS (total dissolved solids)	mg/kg	8048	4,000	60,000

Key

	User supplied data
	Not applicable

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Appendix A: Classifier defined and non EU CLP determinands

- **asbestos fibres detected (Yes/No)** (CAS Number: ACM_FIBRES)

Description/Comments: not classified, information only
Data source: N/A
Data source date: 15 Jan 2020
Hazard Statements: None.

- **barium oxide** (EC Number: 215-127-9, CAS Number: 1304-28-5)

Description/Comments: Data from ECHA's C&L Inventory Database, Sigma Aldrich SDS dated 6/2/20
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/88825
Data source date: 02 Apr 2020
Hazard Statements: Acute Tox. 3; H301 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 1; H332

- **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **lead compounds with the exception of those specified elsewhere in this Annex**

EU CLP index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2; H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

- **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

- **ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

EU CLP index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

- **pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

- **pH: acid/alkali reserve** (CAS Number: ACID_ALK_RES)

Description/Comments: Appendix C4; unit: grams of sodium hydroxide (equivalent) per 100g of substance required to adjust the pH to the appropriate value
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

- **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

polychlorobiphenyls; PCB (EC Number: 215-648-1, CAS Number: 1336-36-3)

EU CLP index number: 602-039-00-4
Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans;

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
29 Sep 2015 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

coronene (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.
Data source: http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en
Data source date: 16 Jun 2014
Hazard Statements: STOT SE 2; H371

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< 2% non-natural materials (Yes/No) (CAS Number: NONNAT_MAT)

Description/Comments: not classified, information only

anthropogenic or man-made substances such as rubble, concrete, bricks, metal and bitumen that are non-natural to the environment from which the material was extracted
Data source: N/A
Data source date: 15 Jan 2020
Hazard Statements: None.

Appendix B: Rationale for selection of metal species

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings (edit as required)

arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}

Worst case CLP species based on hazard statements/molecular weight and conversion factor for arsenic acid H3AsO4. (edit as required)

barium {barium oxide}

Cr VI not detected

cadmium {cadmium sulfate}

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

chromium in Cr(III) compounds {chromium(III) oxide (worst case)}

Cr VI not detected

chromium in Cr(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species based on hazard statements/molecular weight (edit as required)

copper {copper sulphate pentahydrate}

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Cr VI not detected

mercury {mercury dichloride}

Reasonable worst case CLP species based on hazard statements/molecular weight and assuming no evidence for the use of explosives. (edit as required)

molybdenum {molybdenum(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

nickel {nickel dibromate}

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

zinc {zinc oxide}

Cr Vi not detected

Appendix C: Version

HazWasteOnline Classification Engine: EU WM3 1st Edition v1.1.NI using the EU LoW
HazWasteOnline Classification Engine Version: 2025.195.6709.12171 (14 Jul 2025)
HazWasteOnline Database: 2025.195.6709.12171 (14 Jul 2025)

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This classification utilises the following guidance and legislation:
WM3 v1.1.NI - Waste Classification - 1st Edition v1.1.NI - Jan 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
17th ATP - Regulation (EU) 2021/849 of 11 March 2021
18th ATP - Regulation (EU) 2022/692 of 16 February 2022
POPs Amendment 2022 - Regulation (EU) 2022/2400 of 23 November 2022
19th ATP - Regulation (EU) 2023/1434 of 25 April 2023
20th ATP - Regulation (EU) 2023/1435 of 2 May 2023
21st ATP - Regulation (EU) 2024/197 of 19 October 2023
22nd ATP - Regulation (EU) 2024/2564 of 19th June 2024

APPENDIX 6 – Waste Acceptance Criteria Summary Table

RECEIVED: 19/09/2025

Landfill Waste Acceptance Criteria Category - Only Applicable to Material Being Disposed of to Landfill

Galway Port

RECEIVED: 19/09/2025

Sample ID	TP1-01	TP1-01	TP1-01	TP1-02	TP1-02	TP1-02	TP1-03	TP1-03	TP1-03	TP1-04	TP1-04	TP1-04					
Sample Depth (m)	**0.00-1.00**	**1.00-2.00**	**2.00-2.50**	**0.80-1.00**	**1.00-2.00**	**2.00-2.60**	**0.00-1.00**	**1.00-2.00**	**2.00-3.00**	**0.00-1.00**	**1.00-2.00**	**2.00-2.90**					
Material Description	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material					
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024					
LoW Code	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 03	17 05 03	17 05 04	17 05 03	17 05 03					
Landfill Waste Acceptance Criteria Category	Category B1	Category B1	Category B1	Category C	Category B2	Category B2	Category C	Category D	Category D	Category B1	Category D	Category D	Category B1 Criteria	Category B2 Criteria	Hazardous Criteria	LOD LOR	Units
Metals																	
Antimony	<1	<1	<1	<1	<1	<1	<1	115	19	1	23	19	-	-	HazWaste	<1	mg/kg
Arsenic	2.6	1.4	3.1	4.1	2.5	1.6	4.4	191	37.9	5.3	48.3	39.8	-	-	HazWaste	<0.5	mg/kg
Barium	59	13	13	29	13	8	20	1155	1317	33	426	415	-	-	HazWaste	<1	mg/kg
Cadmium	0.4	0.3	0.5	0.7	0.6	0.2	0.5	50.1	9.9	1.2	9.3	6	-	-	HazWaste	<0.1	mg/kg
Chromium	19.6	15	15.7	16.5	15.8	14.8	17.5	74.9	79.3	16.6	91.9	82	-	-	HazWaste	<0.5	mg/kg
Copper	12	5	8	15	7	4	10	787	157	17	198	191	-	-	HazWaste	<1	mg/kg
Lead	24	8	11	42	8	<5	15	9593	1609	105	2386	1696	-	-	HazWaste	<5	mg/kg
Mercury	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	4	0.9	<0.1	0.9	1.1	-	-	HazWaste	<0.1	mg/kg
Molybdenum	1.9	1.4	2.8	2.2	2.3	1.6	3.1	4.6	4.9	1.5	4.7	5.2	-	-	HazWaste	<0.1	mg/kg
Nickel	7.2	4.4	7.3	10.8	8.5	3.9	13.6	26	12.9	9.6	32	21.5	-	-	HazWaste	<0.7	mg/kg
Selenium	<1	<1	1	2	2	<1	3	1	<1	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Zinc	293	57	28	35	13	9	18	7757	1484	125	1353	1002	-	-	HazWaste	<5	mg/kg
Hexavalent Chromium	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	HazWaste	<0.3	mg/kg
pH (solid sample)	9.13	8.99	9.13	8.29	8.4	8.4	8.33	8.02	8.04	10.12	8.01	8.21	-	-	HazWaste	<0.01	pH units
alkali reserve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000	gNaOH/100g
Asbestos																	
Asbestos (Dry Weight)	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	0.1	<0.001	%
Asbestos (Moisture Corrected Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	%
ACM Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Presence	Presence
PAHs																	
Naphthalene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.17	0.08	<0.04	0.26	0.35	-	-	HazWaste	<0.04	mg/kg
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.18	0.06	<0.03	0.19	0.41	-	-	HazWaste	<0.03	mg/kg
Acenaphthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	-	-	HazWaste	<0.05	mg/kg
Fluorene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<0.04	0.1	0.18	-	-	HazWaste	<0.04	mg/kg
Phenanthrene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.73	0.25	0.07	1.09	2.11	-	-	HazWaste	<0.03	mg/kg
Anthracene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.38	0.14	<0.04	0.42	0.87	-	-	HazWaste	<0.04	mg/kg
Fluoranthene	<0.03	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	1.72	0.62	0.13	2.26	5.33	-	-	HazWaste	<0.03	mg/kg
Pyrene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	1.39	0.54	0.11	1.94	4.68	-	-	HazWaste	<0.03	mg/kg
Benzo(a)anthracene	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	1.09	0.41	0.09	1.23	3.74	-	-	HazWaste	<0.06	mg/kg
Chrysene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	1.13	0.41	0.08	1.27	3.76	-	-	HazWaste	<0.02	mg/kg
Benzo(bk)fluoranthene	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	2.01	0.69	0.13	2.3	8.15	-	-	HazWaste	<0.07	mg/kg
Benzo(a)pyrene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	1.21	0.39	0.08	1.39	5.29	-	-	HazWaste	<0.04	mg/kg
Indeno(123cd)pyrene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.69	0.25	0.06	0.87	3.93	-	-	HazWaste	<0.04	mg/kg
Dibenzo(ah)anthracene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.2	0.06	<0.04	0.22	1.01	-	-	HazWaste	<0.04	mg/kg
Benzo(ghi)perylene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.65	0.25	0.06	0.88	3.57	-	-	HazWaste	<0.04	mg/kg
Coronene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.14	0.05	<0.04	0.15	0.77	-	-	HazWaste	<0.04	mg/kg
PAH 6 Total	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	6.28	2.2	0.46	7.7	26.27	-	-	-	<0.22	mg/kg
PAH 17 Total	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	11.78	4.2	0.81	14.57	44.27	100	100	-	<0.64	mg/kg
Benzo(b)fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.45	0.5	0.09	1.66	5.87	-	-	HazWaste	<0.05	mg/kg
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.56	0.19	0.04	0.64	2.28	-	-	HazWaste	<0.02	mg/kg
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	-	-	HazWaste	<1	mg/kg
Hydrocarbons																	
TPH (C5-40)	71	<52	<52	<52	<52	<52	178	379	66	86	480	512	-	-	HazWaste	<52	mg/kg
MTBE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Toluene	<5	12	8	6	11	8	8	8	6	6	11	7	-	-	HazWaste	<5	ug/kg
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
m/p-Xylene	22	<5	<5	<5	7	<5	<5	<5	<5	<5	<5	6	-	-	HazWaste	<5	ug/kg
o-Xylene	13	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Total 7 PCBs	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	1,000	1,000	HazWaste	<35	ug/kg
WAC Solid Sample Summary**																	
Total Organic Carbon *	0.27	0.13	0.16	0.20	0.14	0.92	0.25	1.29	0.85	0.51	1.53	2.33	3	6	-	<0.02	%
Sum of BTEX	0.035	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	6	6	-	<0.025	mg/kg
Sum of 7 PCBs	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	1	-	<0.035	mg/kg
Mineral Oil	<30	<30	<30	<30	<30	<30	31	226	<30	<30	196	83	500	500	-	<30	mg/kg
PAH Sum of 6	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	6.28	2.20	0.46	7.70	26.27	-	-	-	<0.22	mg/kg
PAH Sum of 17	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	11.78	4.20	0.81	14.57	44.27	100	100	-	<0.64	mg/kg
WAC Leachate Data**																	
Arsenic	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.031	<0.025	<0.025	0.5	1.5	-	<0.025	mg/kg
Barium	<0.03	<0.03	<0.03	0.18	0.06	0.05	0.10	1.52	1.28	0.19	0.53	0.42	20	20	-	<0.03	mg/kg
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.007	0.04	0.04	-	<0.005	mg/kg
Chromium	0.018	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.5	0.5	-	<0.015	mg/kg
Copper	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	2	2	-	<0.07	mg/kg
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.01	0.01	-	<0.0001	mg/kg
Molybdenum	<0.02	0.05	0.04	0.08	0.12	0.08	0.07	0.07	0.04	0.04	0.10	0.03	0.5	1.5	-	<0.02	mg/kg
Nickel	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	0.4	-	<0.02	mg/kg
Lead	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.69	0.38	<0.05	0.28	3.42	0.5	0.5	-	<0.05	mg/kg
Antimony	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	0.12	0.22	0.04	0.15	0.13	0.06	0.18	-	<0.02	mg/kg
Selenium	<0.03	<0.03	<0.03	<0.03	0.09	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.3	-	<0.03	mg/kg
Zinc	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.21	0.07	<0.03	0.15	0.23	4	4	-	<0.03	mg/kg
Total Dissolved Solids	670	570	470	6110	3380	3209	5551	950	1090	770	4180	5159	4000	12,000	-	<350	mg/kg
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	500	500	-	<20	mg/kg
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	1	1	-	<0.1	mg/kg
Fluoride	<3	4	<3	3	<3	<3	5	6	<3	4	<3	<3	10	10	-	<3	mg/kg
Sulphate as SO4	126	48	32	3759	1891	1637	3441	380	456	283	2172	2804	1000	3,000	-	<0.5	mg/kg
Chloride	14	9	10	6	19	60	4	21	21	23	20	51	800	2,400	-	<3	mg/kg

NAD- no asbestos detected

* - Integrated Materials Solutions Landfill, Hollywood Great, Nag's Head, The Naul, Co. Dublin

** - limits as specified in Council Decision 2003/33/EC

Landfill Waste Acceptance Criteria Category - Only Applicable to Material Being Disposed of to Landfill

Galway Port

Sample ID	TP1-05	TP1-05	TP1-05	TP1-05	TP1-06	TP1-06	TP1-06	TP1-07	TP1-07	TP1-07	TP1-08	TP1-08					
Sample Depth (m)	**0.00-1.00**	**1.00-2.00**	**2.00-3.00**	**3.00-3.70**	**0.00-1.00**	**1.00-2.00**	**2.00-3.00**	**0.00-1.00**	**1.00-2.00**	**2.00-2.70**	**0.00-1.00**	**1.00-2.00**					
Material Description	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**					
Sample Date	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**					
LoW Code	**17 05 03**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 03**	**17 05 04**	**17 05 04**	**17 05 03**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**					
Landfill Waste Acceptance Criteria Category	**Category D**	**Category B1**	**Category B1**	**Category B1**	**Category B2**	**Category B1**	**Category B1**	**Category D**	**Category B2**	**Category B1**	**Category B1**	**Category B1**	**Category B1 Criteria**	**Category B2 Criteria**	**Hazardous Criteria**	**LOD LOR**	**Units**
Metals																	
Antimony	<1	3	<1	2	1	1	<1	<1	<1	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Arsenic	3.9	5.1	7.6	5.6	5.1	1.1	2.5	2.7	2.8	2.9	2.6	1.7	-	-	HazWaste	<0.5	mg/kg
Barium	50	89	56	98	89	26	45	115	13	19	20	42	-	-	HazWaste	<1	mg/kg
Cadmium	0.3	0.8	0.6	0.8	1.5	0.1	0.4	1	0.3	2.8	0.3	<0.1	-	-	HazWaste	<0.1	mg/kg
Chromium	12.3	84.5	54.1	83.6	39.8	75	59.8	29.8	14.2	18.6	73.7	202.8	-	-	HazWaste	<0.5	mg/kg
Copper	15	34	21	35	31	11	16	13	6	11	14	19	-	-	HazWaste	<1	mg/kg
Lead	28	106	94	168	149	11	52	32	5	29	19	24	-	-	HazWaste	<5	mg/kg
Mercury	<0.1	0.3	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	-	-	HazWaste	<0.1	mg/kg
Molybdenum	1.6	5.1	3.5	5.8	2.5	4.6	3.7	2.2	2.5	2.7	3.2	5.8	-	-	HazWaste	<0.1	mg/kg
Nickel	8.2	13.5	10.2	10.3	8.2	6.4	6.6	9.8	8.5	9.9	13.3	44.9	-	-	HazWaste	<0.7	mg/kg
Selenium	2	1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	-	-	HazWaste	<1	mg/kg
Zinc	31	150	117	164	182	42	81	2049	156	55	41	87	-	-	HazWaste	<5	mg/kg
Hexavalent Chromium	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	HazWaste	<0.3	mg/kg
pH (solid sample)	8.45	8.85	8.59	9.26	11.77	9.24	10.47	10.21	10.25	8.69	8.58	8.92	-	-	HazWaste	<0.01	pH units
alkali reserve	-	-	-	-	0.039	-	-	-	-	-	-	-	-	-	-	<0.000	gNaOH/100g
Asbestos																	
Asbestos (Dry Weight)	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	0.1	<0.001	%
Asbestos (Moisture Corrected Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	%
ACM Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Presence	Presence
PAHs																	
Naphthalene	2.06	0.13	0.45	0.09	0.1	<0.04	0.09	0.51	0.08	<0.04	<0.04	<0.04	-	-	HazWaste	<0.04	mg/kg
Acenaphthylene	<0.03	0.14	0.18	0.07	0.1	<0.03	0.2	<0.03	<0.03	<0.03	<0.03	<0.03	-	-	HazWaste	<0.03	mg/kg
Acenaphthene	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	HazWaste	<0.05	mg/kg
Fluorene	0.33	0.05	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	HazWaste	<0.04	mg/kg
Phenanthrene	2.02	0.45	0.77	0.38	0.41	0.03	0.56	0.23	<0.03	0.04	0.07	0.1	-	-	HazWaste	<0.03	mg/kg
Anthracene	0.36	0.25	0.24	0.19	0.24	<0.04	0.34	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	HazWaste	<0.04	mg/kg
Fluoranthene	0.63	1.12	1.41	0.83	1.26	0.14	2.25	0.37	0.07	0.08	0.19	0.17	-	-	HazWaste	<0.03	mg/kg
Pyrene	0.61	0.98	1.23	0.67	1.13	0.12	1.98	0.32	0.06	0.07	0.17	0.15	-	-	HazWaste	<0.03	mg/kg
Benzo(a)anthracene	0.44	0.73	0.88	0.47	0.81	0.11	1.12	0.12	<0.06	<0.06	0.15	0.11	-	-	HazWaste	<0.06	mg/kg
Chrysene	0.4	0.75	0.92	0.47	0.83	0.1	1.18	0.18	0.04	0.05	0.14	0.1	-	-	HazWaste	<0.02	mg/kg
Benzo(bk)fluoranthene	0.46	1.38	1.61	0.69	1.52	0.14	1.72	0.26	<0.07	0.07	0.24	0.15	-	-	HazWaste	<0.07	mg/kg
Benzo(a)pyrene	0.2	0.81	0.89	0.39	0.92	0.07	0.97	0.14	<0.04	<0.04	0.14	0.08	-	-	HazWaste	<0.04	mg/kg
Indeno(123cd)pyrene	0.13	0.56	0.57	0.19	0.57	0.04	0.54	0.1	<0.04	<0.04	0.08	0.05	-	-	HazWaste	<0.04	mg/kg
Dibenzo(ah)anthracene	<0.04	0.12	0.17	0.05	0.15	<0.04	0.14	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	HazWaste	<0.04	mg/kg
Benzo(ghi)perylene	0.27	0.61	0.6	0.2	0.56	0.04	0.57	0.14	<0.04	<0.04	0.08	0.05	-	-	HazWaste	<0.04	mg/kg
Coronene	0.07	0.16	0.11	<0.04	0.12	<0.04	0.12	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	HazWaste	<0.04	mg/kg
PAH 6 Total	1.69	4.48	5.08	2.3	4.83	0.43	6.05	1.01	<0.22	<0.22	0.73	0.5	-	-	-	<0.22	mg/kg
PAH 17 Total	8.1	8.24	10.03	4.69	8.77	0.79	11.78	2.37	<0.64	<0.64	1.26	0.96	100	100	-	<0.64	mg/kg
Benzo(b)fluoranthene	0.33	0.99	1.16	0.5	1.09	0.1	1.24	0.19	<0.05	0.05	0.17	0.11	-	-	HazWaste	<0.05	mg/kg
Benzo(k)fluoranthene	0.13	0.39	0.45	0.19	0.43	0.04	0.48	0.07	<0.02	<0.02	0.07	0.04	-	-	HazWaste	<0.02	mg/kg
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Hydrocarbons																	
TPH (CS-40)	1272	359	257	<52	390	<52	147	1681	257	78	<52	<52	-	-	HazWaste	<52	mg/kg
MTBE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Toluene	<5	<5	<5	7	12	<5	<5	<5	5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	12	5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
m/p-Xylene	<5	<5	<5	<5	<5	<5	<5	75	28	<5	<5	<5	-	-	HazWaste	<5	ug/kg
o-Xylene	<5	<5	<5	<5	<5	<5	<5	69	28	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Total 7 PCBs	<350	<35	<35	<35	<35	<35	<35	<350	<35	<35	<35	<35	1,000	1,000	HazWaste	<35	ug/kg
WAC Solid Sample Summary**																	
Total Organic Carbon *	34.06	0.90	0.47	0.32	0.74	0.11	0.11	0.93	0.14	0.25	0.26	0.12	3	6	-	<0.02	%
Sum of BTEX	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.156	0.068	<0.025	<0.025	<0.025	6	6	-	<0.025	mg/kg
Sum of 7 PCBs	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.350	<0.035	<0.035	<0.035	<0.035	1	1	-	<0.035	mg/kg
Mineral Oil	400	102	56	<30	209	<30	<30	590	37	<30	<30	<30	500	500	-	<30	mg/kg
PAH Sum of 6	1.69	4.48	5.08	2.30	4.83	0.43	6.05	1.01	<0.22	<0.22	0.73	0.50	-	-	-	<0.22	mg/kg
PAH Sum of 17	8.10	8.24	10.03	4.69	8.77	0.79	11.78	2.37	<0.64	<0.64	1.26	0.96	100	100	-	<0.64	mg/kg
WAC Leachate Data**																	
Arsenic	<0.025	<0.025	<0.025	<0.025	0.035	<0.025	0.036	<0.025	<0.025	<0.025	<0.025	<0.025	0.5	1.5	-	<0.025	mg/kg
Barium	0.15	0.27	0.55	0.12	0.15	0.09	0.10	0.16	0.15	0.04	0.04	0.09	20	20	-	<0.03	mg/kg
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	0.04	-	<0.005	mg/kg
Chromium	<0.015	<0.015	<0.015	<0.015	0.054	<0.015	<0.015	0.029	0.024	<0.015	<0.015	<0.015	0.5	0.5	-	<0.015	mg/kg
Copper	<0.07	<0.07	<0.07	<0.07	0.73	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	2	2	-	<0.07	mg/kg
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.01	0.01	-	<0.0001	mg/kg
Molybdenum	<0.02	0.04	0.11	<0.02	0.22	<0.02	0.05	0.03	0.08	0.10	0.04	0.17	0.5	1.5	-	<0.02	mg/kg
Nickel	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	0.4	-	<0.02	mg/kg
Lead	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	-	<0.05	mg/kg
Antimony	<0.02	0.05	0.05	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	0.06	0.18	-	<0.02	mg/kg
Selenium	<0.03	<0.03	<0.03	<0.03	0.07	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.3	-	<0.03	mg/kg
Zinc	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	4	4	-	<0.03	mg/kg
Total Dissolved Solids	670	550	570	620	2609	480	950	1110	3171	810	650	450	4000	12,000	-	<350	mg/kg
Dissolved Organic Carbon	<20	<20	<20	<20	80	<20	<20	<20	<20	<20	<20	<20	500	500	-	<20	mg/kg
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	1	-	<0.1	mg/kg
Fluoride	<3	<3	<3	<3	<3	<3	<3	<3	<3	4	3	<3	10	10	-	<3	mg/kg
Sulphate as SO4	249	95	122	52	606	79	296	261	1625	291	157	101	1000	3,000	-	<0.5	mg/kg
Chloride	9	8	10	68	147	6	17	14	11	22	<3	<3	800	2,400	-	<3	mg/kg

NAD- no asbestos detected

* - Integrated Materials Solutions Landfill, Hollywood Great, Nag's Head, The Naul, Co. Dublin

** - limits as specified in Council Decision 2003/33/EC

RECEIVED: 19/09/2025

Landfill Waste Acceptance Criteria Category - Only Applicable to Material Being Disposed of to Landfill

Galway Port

Sample ID	TP1-08	TP1-08	TP1-09	TP1-09	TP1-09	TP1-10	TP1-10	TP1-10	TP1-10	TP1-11	TP1-11	TP1-12					
Sample Depth (m)	**2.00-3.00**	**3.00-3.60**	**0.00-1.00**	**1.00-2.00**	**2.00-3.00**	**0.00-1.00**	**1.00-2.00**	**2.00-3.00**	**3.00-4.00**	**0.00-1.00**	**1.00-1.70**	**0.00-1.00**					
Material Description	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material					
Sample Date	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024					
LoW Code	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 03	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04					
Landfill Waste Acceptance Criteria Category	Category B1	Category B1	Category B2	Category B1	Category B1	Category D	Category B2	Category C	Category C	Category B1	Category B1	Category B1	Category B1 Criteria	Category B2 Criteria	Hazardous Criteria	LOD LOR	Units
Metals																	
Antimony	<1	<1	3	2	2	14	2	6	2	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Arsenic	2.7	2.1	11.7	17.7	2.9	35	11.4	28.9	9.2	2.7	4	5.4	-	-	HazWaste	<0.5	mg/kg
Barium	23	56	113	77	41	933	253	85	111	14	50	137	-	-	HazWaste	<1	mg/kg
Cadmium	<0.1	<0.1	2.7	0.7	0.3	13.4	0.9	1.1	0.5	0.4	0.2	0.3	-	-	HazWaste	<0.1	mg/kg
Chromium	103.1	128	46	123.8	105.7	61	43.4	41.5	63.3	15.2	97.4	101.4	-	-	HazWaste	<0.5	mg/kg
Copper	19	30	63	43	30	307	84	81	100	7	36	50	-	-	HazWaste	<1	mg/kg
Lead	35	33	440	173	57	2205	429	253	192	6	53	128	-	-	HazWaste	<5	mg/kg
Mercury	<0.1	<0.1	0.3	0.4	0.1	0.9	0.3	0.4	0.1	<0.1	<0.1	0.4	-	-	HazWaste	<0.1	mg/kg
Molybdenum	6.6	3.5	2.7	3.3	3.9	3.1	2.8	3	4.4	2	4	4.5	-	-	HazWaste	<0.1	mg/kg
Nickel	13	38.6	8.2	25.9	20.3	15.3	10.9	13.6	43.7	9.6	23	22	-	-	HazWaste	<0.7	mg/kg
Selenium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Zinc	50	72	465	203	107	1627	259	218	157	11	96	136	-	-	HazWaste	<5	mg/kg
Hexavalent Chromium	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	HazWaste	<0.3	mg/kg
pH (solid sample)	8.6	9.07	8.15	9.15	8.73	7.38	7.54	8.15	8.21	8.9	9.06	8.59	-	-	HazWaste	<0.01	pH units
alkali reserve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000	gNaOH/100g
Asbestos																	
Asbestos (Dry Weight)	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	0.1	<0.001	%
Asbestos (Moisture Corrected Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	%
ACM Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Presence	Presence
PAHs																	
Naphthalene	<0.04	<0.04	0.09	0.17	<0.04	0.48	0.37	0.54	0.58	<0.04	0.05	0.24	-	-	HazWaste	<0.04	mg/kg
Acenaphthylene	<0.03	<0.03	0.05	0.24	<0.03	0.21	0.35	0.51	2.15	<0.03	0.04	0.45	-	-	HazWaste	<0.03	mg/kg
Acenaphthene	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	0.29	0.26	<0.05	<0.05	<0.05	-	-	HazWaste	<0.05	mg/kg
Fluorene	<0.04	<0.04	<0.04	0.08	<0.04	0.15	0.12	0.33	1.1	<0.04	<0.04	0.1	-	-	HazWaste	<0.04	mg/kg
Phenanthrene	0.1	0.04	0.21	0.94	0.13	1.21	1.58	3.34	11.18	<0.03	0.19	1.45	-	-	HazWaste	<0.03	mg/kg
Anthracene	<0.04	<0.04	0.08	0.65	0.05	0.33	0.44	1.78	3.74	<0.04	0.06	0.94	-	-	HazWaste	<0.04	mg/kg
Fluoranthene	0.21	0.12	0.5	2.93	0.27	1.9	3.31	7.97	20.26	<0.03	0.44	5.45	-	-	HazWaste	<0.03	mg/kg
Pyrene	0.17	0.15	0.47	2.51	0.24	1.69	2.82	6.75	16.47	0.04	0.4	4.43	-	-	HazWaste	<0.03	mg/kg
Benzo(a)anthracene	0.13	0.1	0.35	1.65	0.17	1.14	1.8	4.7	9.78	<0.06	0.29	3.21	-	-	HazWaste	<0.06	mg/kg
Chrysene	0.12	0.08	0.35	1.64	0.17	1.25	2.01	4.43	8.54	<0.02	0.29	3.18	-	-	HazWaste	<0.02	mg/kg
Benzo(bk)fluoranthene	0.16	0.13	0.64	2.83	0.27	2.41	3.81	7.84	15.62	<0.07	0.52	5.21	-	-	HazWaste	<0.07	mg/kg
Benzo(a)pyrene	<0.04	<0.04	0.38	1.67	0.16	1.36	2.22	4.94	9.81	<0.04	0.3	2.96	-	-	HazWaste	<0.04	mg/kg
Indeno(123cd)pyrene	0.05	0.04	0.26	0.97	0.11	1.02	1.49	2.93	6.7	<0.04	0.2	1.85	-	-	HazWaste	<0.04	mg/kg
Dibenzo(ah)anthracene	<0.04	<0.04	0.07	0.25	<0.04	0.19	0.43	0.81	1.59	<0.04	0.05	0.45	-	-	HazWaste	<0.04	mg/kg
Benzo(ghi)perylene	0.06	0.05	0.27	1	0.12	1.02	1.55	3.19	6.82	0.06	0.19	1.79	-	-	HazWaste	<0.04	mg/kg
Coronene	<0.04	<0.04	0.07	0.19	<0.04	0.23	0.35	0.73	1.31	<0.04	0.04	0.35	-	-	HazWaste	<0.04	mg/kg
PAH 6 Total	0.48	0.34	2.05	9.4	0.93	7.71	12.38	26.87	59.21	<0.22	1.65	17.26	-	-	-	<0.22	mg/kg
PAH 17 Total	1	0.71	3.79	17.72	1.69	14.66	22.65	51.08	115.91	<0.64	3.06	32.06	100	100	-	<0.64	mg/kg
Benzo(b)fluoranthene	0.12	0.09	0.46	2.04	0.19	1.74	2.74	5.64	11.25	<0.05	0.37	3.75	-	-	HazWaste	<0.05	mg/kg
Benzo(k)fluoranthene	0.04	0.04	0.18	0.79	0.08	0.67	1.07	2.2	4.37	<0.02	0.15	1.46	-	-	HazWaste	<0.02	mg/kg
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1	5	<1	<1	2	-	-	HazWaste	<1	mg/kg
Hydrocarbons																	
TPH (C5-40)	<52	<52	309	483	<52	1340	708	547	876	851	176	484	-	-	HazWaste	<52	mg/kg
MTBE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Benzene	<5	<5	<5	<5	<5	<5	<5	11	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Toluene	<5	<5	<5	8	<5	7	17	15	11	6	<5	<5	-	-	HazWaste	<5	ug/kg
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
m/p-Xylene	<5	<5	<5	5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
o-Xylene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Total 7 PCBs	<35	<35	<35	<35	<35	<350	<350	<35	<350	<350	<35	<35	1,000	1,000	HazWaste	<35	ug/kg
WAC Solid Sample Summary**																	
Total Organic Carbon *	1.05	0.33	0.84	0.78	0.26	9.58	0.60	6.81	3.43	0.43	0.53	1.59	3	6	-	<0.02	%
Sum of BTEX	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.026	<0.025	<0.025	<0.025	<0.025	6	6	-	<0.025	mg/kg
Sum of 7 PCBs	<0.035	<0.035	<0.035	<0.035	<0.035	<0.350	<0.350	<0.035	<0.350	<0.350	<0.035	<0.035	1	1	-	<0.035	mg/kg
Mineral Oil	<30	<30	86	70	<30	523	135	137	136	246	40	98	500	500	-	<30	mg/kg
PAH Sum of 6	0.48	0.34	2.05	9.40	0.93	7.71	12.38	26.87	59.21	<0.22	1.65	17.26	-	-	-	<0.22	mg/kg
PAH Sum of 17	1.00	0.71	3.79	17.72	1.69	14.66	22.65	51.08	115.91	<0.64	3.06	32.06	100	100	-	<0.64	mg/kg
WAC Leachate Data**																	
Arsenic	<0.025	<0.025	0.065	0.045	0.028	0.038	0.117	<0.025	0.080	<0.025	<0.025	<0.025	0.5	1.5	-	<0.025	mg/kg
Barium	0.16	0.14	0.16	0.12	0.10	0.42	0.19	0.07	0.06	<0.03	0.08	0.27	20	20	-	<0.03	mg/kg
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	0.04	-	<0.005	mg/kg
Chromium	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.026	<0.015	<0.015	<0.015	<0.015	<0.015	0.5	0.5	-	<0.015	mg/kg
Copper	<0.07	<0.07	0.09	0.15	<0.07	<0.07	0.13	<0.07	<0.07	<0.07	<0.07	<0.07	2	2	-	<0.07	mg/kg
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.01	0.01	-	<0.0001	mg/kg
Molybdenum	0.09	0.03	0.08	0.06	<0.02	0.17	<0.02	0.03	0.03	0.06	0.07	0.11	0.5	1.5	-	<0.02	mg/kg
Nickel	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	0.4	-	<0.02	mg/kg
Lead	<0.05	<0.05	<0.05	<0.05	<0.05	0.24	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	-	<0.05	mg/kg
Antimony	<0.02	<0.02	0.08	<0.02	<0.02	0.74	0.07	0.03	0.08	<0.02	<0.02	<0.02	0.06	0.18	-	<0.02	mg/kg
Selenium	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.3	-	<0.03	mg/kg
Zinc	<0.03	<0.03	<0.03	<0.03	<0.03	0.85	0.05	<0.03	<0.03	<0.03	<0.03	0.03	4	4	-	<0.03	mg/kg
Total Dissolved Solids	400	<350	2381	2209	600	2310	1339	1050	1320	<350	530	910	4000	12,000	-	<350	mg/kg
Dissolved Organic Carbon	<20	<20	<20	<20	<20	30	<20	<20	<20	<20	<20	<20	500	500	-	<20	mg/kg
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	1	-	<0.1	mg/kg
Fluoride	<3	<3	<3	<3	<3	5	5	<3	4	5	<3	4	10	10	-	<3	mg/kg
Sulphate as SO4	41	21	981	918	148	843	296	221	282	34	154	272	1000	3,000	-	<0.5	mg/kg
Chloride	<3	<3	11	15	27	10	10	12	127	3	8	12	800	2,400	-	<3	mg/kg

NAD- no asbestos detected

* - Integrated Materials Solutions Landfill, Hollywood Great, Nag's Head, The Naul, Co. Dublin

** - limits as specified in Council Decision 2003/33/EC

RECEIVED: 19/09/2025

Landfill Waste Acceptance Criteria Category - Only Applicable to Material Being Disposed of to Landfill

Galway Port

Sample ID	TP1-12	TP1-12	TP1-12	TP1-13	TP1-13	TP1-13	TP1-14	TP1-14	TP1-14	TP1-15	TP1-15	TP1-15					
Sample Depth (m)	**1.00-2.00**	**2.00-3.00**	**3.00-3.60**	**0.00-1.00**	**1.00-2.00**	**2.00-2.80**	**1.00-2.00**	**2.00-3.00**	**0.00-1.00**	**0.00-1.00**	**1.00-2.00**	**2.00-2.60**					
Material Description	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**					
Sample Date	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**	**12/07/2024**					
LoW Code	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**					
Landfill Waste Acceptance Criteria Category	**Category B2**	**Category C**	**Category B1**	**Category B1**	**Category B1**	**Category B1**	**Category B1**	**Category B1**	**Category B1**	**Category B1**	**Category B1**	**Category B1**	**Category B1 Criteria**	**Category B2 Criteria**	**Hazardous Criteria**	**LOD LOR**	**Units**
Metals																	
Antimony	3	2	2	1	<1	2	1	<1	<1	2	<1	<1	-	-	HazWaste	<1	mg/kg
Arsenic	6.6	8.9	10.1	4.8	5	4.6	2.6	2.7	6.8	5	3.2	2.9	-	-	HazWaste	<0.5	mg/kg
Barium	193	275	311	52	49	40	55	72	53	67	25	29	-	-	HazWaste	<1	mg/kg
Cadmium	0.5	0.5	0.6	0.4	0.5	0.3	0.1	0.1	0.8	1.2	0.2	0.2	-	-	HazWaste	<0.1	mg/kg
Chromium	127.8	89.8	76.9	107.4	94.8	143.8	70.9	78.9	86.1	39.9	54.2	86.2	-	-	HazWaste	<0.5	mg/kg
Copper	89	98	117	28	27	31	33	50	34	28	18	23	-	-	HazWaste	<1	mg/kg
Lead	217	293	308	60	111	49	42	53	94	161	66	52	-	-	HazWaste	<5	mg/kg
Mercury	1.1	1.2	1.7	0.1	0.2	0.3	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	HazWaste	<0.1	mg/kg
Molybdenum	3.7	5.2	5	2.8	3.6	2.5	4.4	4.4	3.5	2.7	3.5	3.8	-	-	HazWaste	<0.1	mg/kg
Nickel	33.3	18.5	19.8	32	25.1	52.5	12.3	14.4	14.4	9.7	8.7	13.9	-	-	HazWaste	<0.7	mg/kg
Selenium	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	1	<1	-	-	HazWaste	<1	mg/kg
Zinc	183	223	243	68	75	62	80	100	129	149	47	54	-	-	HazWaste	<5	mg/kg
Hexavalent Chromium	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	HazWaste	<0.3	mg/kg
pH (solid sample)	8.29	8.34	8.2	8.97	8.98	8.93	8.44	8.47	8.53	8.42	8.62	8.52	-	-	HazWaste	<0.01	pH units
alkali reserve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000	gNaOH/100g
Asbestos																	
Asbestos (Dry Weight)	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	0.1	<0.001	%
Asbestos (Moisture Corrected Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	%
ACM Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Presence	Presence
PAHs																	
Naphthalene	0.26	0.32	0.39	0.07	0.08	<0.04	0.12	0.08	0.15	0.08	0.07	<0.04	-	-	HazWaste	<0.04	mg/kg
Acenaphthylene	0.51	0.97	0.76	0.06	0.09	<0.03	0.12	0.09	0.17	0.12	0.05	0.06	-	-	HazWaste	<0.03	mg/kg
Acenaphthene	0.07	0.1	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	HazWaste	<0.05	mg/kg
Fluorene	0.16	0.42	0.29	<0.04	0.06	<0.04	<0.04	<0.04	0.14	<0.04	0.05	<0.04	-	-	HazWaste	<0.04	mg/kg
Phenanthrene	1.67	3.97	2.51	0.18	0.66	<0.03	0.36	0.23	0.69	0.45	0.29	0.23	-	-	HazWaste	<0.03	mg/kg
Anthracene	1.18	3.51	1.93	0.09	0.2	<0.04	0.21	0.16	0.47	0.18	0.42	0.23	-	-	HazWaste	<0.04	mg/kg
Fluoranthene	5.9	14.1	8.63	0.52	1.22	<0.03	1.23	0.99	2.17	1.15	0.56	1.4	-	-	HazWaste	<0.03	mg/kg
Pyrene	4.9	11.32	6.99	0.51	1.09	0.03	1.04	0.76	1.92	1.08	0.45	1.33	-	-	HazWaste	<0.03	mg/kg
Benzo(a)anthracene	3.78	7.81	5.17	0.38	0.67	<0.06	0.78	0.65	1.12	0.69	0.38	0.59	-	-	HazWaste	<0.06	mg/kg
Chrysene	3.77	7.48	4.96	0.41	0.74	<0.02	0.77	0.63	1.12	0.7	0.4	0.61	-	-	HazWaste	<0.02	mg/kg
Benzo(bk)fluoranthene	6.28	11.21	8.32	0.76	1.21	<0.07	1.31	0.98	1.89	1.28	0.54	1.03	-	-	HazWaste	<0.07	mg/kg
Benzo(a)pyrene	3.66	6.51	4.97	0.46	0.64	<0.04	0.75	0.58	1.17	0.76	0.31	0.62	-	-	HazWaste	<0.04	mg/kg
Indeno(123cd)pyrene	2.23	3.61	2.97	0.31	0.4	<0.04	0.45	0.33	0.71	0.52	0.18	0.36	-	-	HazWaste	<0.04	mg/kg
Dibenzo(ah)anthracene	0.62	1.17	0.76	0.08	0.08	<0.04	0.13	0.11	0.21	0.13	0.06	0.08	-	-	HazWaste	<0.04	mg/kg
Benzo(ghi)perylene	1.98	3.32	2.63	0.32	0.43	<0.04	0.44	0.33	0.68	0.51	0.16	0.37	-	-	HazWaste	<0.04	mg/kg
Coronene	0.48	0.82	0.65	0.09	0.06	<0.04	0.1	0.06	0.19	0.11	0.05	0.08	-	-	HazWaste	<0.04	mg/kg
PAH 6 Total	20.05	38.75	27.52	2.37	3.9	<0.22	4.18	3.21	6.62	4.22	1.75	3.78	-	-	-	<0.22	mg/kg
PAH 17 Total	37.45	76.64	52.02	4.24	7.63	<0.64	7.81	5.98	12.8	7.76	3.97	6.99	100	100	-	<0.64	mg/kg
Benzo(b)fluoranthene	4.52	8.07	5.99	0.55	0.87	<0.05	0.94	0.71	1.36	0.92	0.39	0.74	-	-	HazWaste	<0.05	mg/kg
Benzo(k)fluoranthene	1.76	3.14	2.33	0.21	0.34	<0.02	0.37	0.27	0.53	0.36	0.15	0.29	-	-	HazWaste	<0.02	mg/kg
Benzo(j)fluoranthene	2	4	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Hydrocarbons																	
TPH (CS-40)	558	1094	1014	156	77	<52	85	132	161	108	<52	<52	-	-	HazWaste	<52	mg/kg
MTBE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Toluene	8	<5	8	7	<5	<5	7	<5	<5	7	<5	<5	-	-	HazWaste	<5	ug/kg
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
m/p-Xylene	7	<5	<5	<5	<5	<5	5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
o-Xylene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Total 7 PCBs	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	1,000	1,000	HazWaste	<35	ug/kg
WAC Solid Sample Summary**																	
Total Organic Carbon *	2.18	2.53	2.57	0.64	0.81	0.50	0.44	0.63	0.80	0.51	0.28	0.37	3	6	-	<0.02	%
Sum of BTEX	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	6	6	-	<0.025	mg/kg
Sum of 7 PCBs	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	1	-	<0.035	mg/kg
Mineral Oil	75	217	287	<30	<30	<30	<30	<30	<30	<30	<30	<30	500	500	-	<30	mg/kg
PAH Sum of 6	20.05	38.75	27.52	2.37	3.90	<0.22	4.18	3.21	6.62	4.22	1.75	3.78	-	-	-	<0.22	mg/kg
PAH Sum of 17	37.45	76.64	52.02	4.24	7.63	<0.64	7.81	5.98	12.80	7.76	3.97	6.99	100	100	-	<0.64	mg/kg
WAC Leachate Data**																	
Arsenic	<0.025	<0.025	<0.025	<0.025	0.040	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.5	1.5	-	<0.025	mg/kg
Barium	0.36	0.39	0.40	0.07	0.06	0.06	0.45	0.53	0.06	0.21	0.05	<0.03	20	20	-	<0.03	mg/kg
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	0.04	-	<0.005	mg/kg
Chromium	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.5	0.5	-	<0.015	mg/kg
Copper	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	2	2	-	<0.07	mg/kg
Mercury	<0.0001	<0.0001	0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.01	0.01	-	<0.0001	mg/kg
Molybdenum	0.09	0.10	0.07	0.05	0.04	0.03	0.03	0.07	0.07	0.08	0.08	0.11	0.5	1.5	-	<0.02	mg/kg
Nickel	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	0.4	-	<0.02	mg/kg
Lead	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	-	<0.05	mg/kg
Antimony	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	0.03	0.04	0.05	0.06	0.18	-	<0.02	mg/kg
Selenium	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.3	-	<0.03	mg/kg
Zinc	<0.03	0.04	0.06	<0.03	<0.03	<0.03	<0.03	0.03	0.04	<0.03	<0.03	<0.03	4	4	-	<0.03	mg/kg
Total Dissolved Solids	4759	6520	650	710	600	570	1400	1530	710	1621	990	1031	4000	12,000	-	<350	mg/kg
Dissolved Organic Carbon	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	500	500	-	<20	mg/kg
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	1	-	<0.1	mg/kg
Fluoride	<3	<3	<3	3	<3	<3	<3	<3	4	5	<3	3	10	10	-	<3	mg/kg
Sulphate as SO4	2515	3457	114	143	110	116	767	789	186	802	308	284	1000	3,000	-	<0.5	mg/kg
Chloride	19	84	7	<3	<3	<3	13	14	14	<3	4	16	800	2,400	-	<3	mg/kg

NAD- no asbestos detected

* - Integrated Materials Solutions Landfill, Hollywood Great, Nag's Head, The Naul, Co. Dublin

** - limits as specified in Council Decision 2003/33/EC

RECEIVED: 19/09/2025

Landfill Waste Acceptance Criteria Category - Only Applicable to Material Being Disposed of to Landfill

Galway Port

Sample ID	WS203	WS206	WS207	WS208	WS209	WS210	WS211	WS212	WS213	WS214	WS215	WS-01					
Sample Depth (m)	0.00-0.70	0.00-0.50	0.00-0.60	0.00-0.90	0.00-0.60	0.00-0.90	0.00-0.70	0.00-0.60	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50					
Material Description	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material					
Sample Date	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	29/09/2022	02/09/2019					
LoW Code	17 05 04	17 05 03*	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04					
Landfill Waste Acceptance Criteria Category	Category B2	Category D	Category B1	Category B1	Category B1	Category C	Category B1	Category B2	Category B1	Category C	Category B2	Category B1	Category B1 Criteria	Category B2 Criteria	Hazardous Criteria	LOD LOR	Units
Metals																	
Antimony	<1	<1	<1	<1	<1	<1	1	3	<1	1	1	1	-	-	HazWaste	<1	mg/kg
Arsenic	2.6	3.5	16.6	1.9	2.5	4.4	4.8	8.8	1.7	2.7	2.8	3.5	-	-	HazWaste	<0.5	mg/kg
Barium	34	10	12	13	12	38	188	140	9	23	69	187	-	-	HazWaste	<1	mg/kg
Cadmium	0.3	0.2	0.3	0.3	0.3	0.8	2.2	2	0.2	0.3	0.8	0.8	-	-	HazWaste	<0.1	mg/kg
Chromium	29.4	14.2	16	14.8	31.9	17.1	17.7	80.9	16.2	55.6	25	22.3	-	-	HazWaste	<0.5	mg/kg
Copper	7	8	11	5	6	40	15	49	4	14	37	21	-	-	HazWaste	<1	mg/kg
Lead	<5	8	10	7	<5	78	229	257	<5	15	69	47	-	-	HazWaste	<5	mg/kg
Mercury	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.3	<0.1	<0.1	<0.1	<0.1	-	-	HazWaste	<0.1	mg/kg
Molybdenum	1.7	1.2	1.6	1.2	2.8	1.1	1.5	3.5	1.3	2.6	1.7	1.6	-	-	HazWaste	<0.1	mg/kg
Nickel	8.5	7.2	7.7	6.3	8.4	4.5	5.7	16.9	5.9	9.9	7.8	7.9	-	-	HazWaste	<0.7	mg/kg
Selenium	<1	<1	1	<1	<1	<1	<1	1	<1	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Zinc	46	14	23	13	74	135	254	269	7	31	289	123	-	-	HazWaste	<5	mg/kg
Hexavalent Chromium	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	HazWaste	<0.3	mg/kg
pH (solid sample)	12.5	8.67	8.52	8.87	12	7.65	8.44	8.63	11.55	8.98	8.42	9.13	-	-	HazWaste	<0.01	pH units
alkali reserve	0.596	-	-	-	0.194	-	-	-	0.056	-	-	-	-	-	-	<0.000	gNaOH/100g
Asbestos																	
Asbestos (Dry Weight)	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	0.1	<0.001	%
Asbestos (Moisture Corrected Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	%
ACM Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Presence	Presence
PAHs																	
Naphthalene	<0.04	0.07	<0.04	0.13	0.2	0.13	0.13	0.15	<0.04	<0.04	0.12	0.04	-	-	HazWaste	<0.04	mg/kg
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	<0.03	0.15	<0.03	<0.03	0.24	<0.03	-	-	HazWaste	<0.03	mg/kg
Acenaphthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	HazWaste	<0.05	mg/kg
Fluorene	<0.04	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	0.05	<0.04	<0.04	0.04	<0.04	-	-	HazWaste	<0.04	mg/kg
Phenanthrene	<0.03	0.09	<0.03	0.16	0.26	0.4	0.07	0.63	<0.03	0.05	0.46	0.07	-	-	HazWaste	<0.03	mg/kg
Anthracene	<0.04	<0.04	<0.04	<0.04	<0.04	0.15	<0.04	0.23	<0.04	<0.04	0.12	<0.04	-	-	HazWaste	<0.04	mg/kg
Fluoranthene	<0.03	<0.03	<0.03	0.04	0.08	0.85	<0.03	1.24	<0.03	0.11	0.96	0.11	-	-	HazWaste	<0.03	mg/kg
Pyrene	<0.03	0.05	<0.03	0.06	0.11	0.85	0.06	1.08	<0.03	0.11	0.84	0.11	-	-	HazWaste	<0.03	mg/kg
Benzo(a)anthracene	<0.06	<0.06	<0.06	0.07	0.12	0.51	<0.06	0.67	<0.06	0.09	0.42	0.09	-	-	HazWaste	<0.06	mg/kg
Chrysene	<0.02	0.05	<0.02	0.06	0.14	0.5	0.02	0.66	<0.02	0.06	0.53	0.06	-	-	HazWaste	<0.02	mg/kg
Benzo(bk)fluoranthene	<0.07	<0.07	<0.07	<0.07	0.11	0.97	<0.07	1.21	<0.07	0.12	0.99	0.11	-	-	HazWaste	<0.07	mg/kg
Benzo(e)pyrene	<0.04	<0.04	<0.04	<0.04	<0.04	0.47	<0.04	0.61	<0.04	<0.04	0.54	0.05	-	-	HazWaste	<0.04	mg/kg
Indeno(123cd)pyrene	<0.04	<0.04	<0.04	<0.04	<0.04	0.48	<0.04	0.48	<0.04	0.04	0.51	<0.04	-	-	HazWaste	<0.04	mg/kg
Dibenzo(ah)anthracene	<0.04	<0.04	<0.04	<0.04	0.04	0.11	<0.04	0.13	<0.04	<0.04	0.09	<0.04	-	-	HazWaste	<0.04	mg/kg
Benzo(ghi)perylene	<0.04	<0.04	<0.04	<0.04	0.08	0.4	0.05	0.38	<0.04	<0.04	0.46	<0.04	-	-	HazWaste	<0.04	mg/kg
Coronene	<0.04	<0.04	<0.04	<0.04	<0.04	0.18	<0.04	0.11	<0.04	<0.04	0.17	<0.04	-	-	HazWaste	<0.04	mg/kg
PAH 6 Total	<0.22	<0.22	<0.22	<0.22	0.27	3.17	<0.22	3.92	<0.22	0.27	3.46	0.27	-	-	-	<0.22	mg/kg
PAH 17 Total	<0.64	<0.64	<0.64	<0.64	1.14	6.15	<0.64	7.78	<0.64	<0.64	6.49	0.64	100	100	-	<0.64	mg/kg
Benzo(b)fluoranthene	<0.05	<0.05	<0.05	<0.05	0.08	0.7	<0.05	0.87	<0.05	0.09	0.71	0.08	-	-	HazWaste	<0.05	mg/kg
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	0.03	0.27	<0.02	0.34	<0.02	0.03	0.28	0.03	-	-	HazWaste	<0.02	mg/kg
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Hydrocarbons																	
TPH (CS-40)	402	1769	645	503	<52	1048	200	109	<52	<52	173	719	-	-	HazWaste	<52	mg/kg
MTBE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Toluene	<5	<5	<5	<5	6	<5	22	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Ethylbenzene	<5	<5	<5	<5	<5	<5	6	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
m/p-Xylene	7	<5	<5	<5	<5	<5	28	<5	<5	<5	6	<5	-	-	HazWaste	<5	ug/kg
o-Xylene	6	<5	<5	<5	<5	<5	13	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Total 7 PCBs	<35	<350	<350	<35	<35	<35	<35	<35	<35	<35	<35	<35	1,000	1,000	HazWaste	<35	ug/kg
WAC Solid Sample Summary**																	
Total Organic Carbon *	0.15	0.69	0.6	0.69	0.5	3.07	0.27	4.67	0.09	0.14	0.33	0.43	3	6	-	<0.02	%
Sum of BTEX	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.069	<0.025	<0.025	<0.025	<0.025	<0.025	6	6	-	<0.025	mg/kg
Sum of 7 PCBs	<0.035	<0.350	<0.350	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	1	-	<0.035	mg/kg
Mineral Oil	208	580	208	184	<30	191	163	<30	<30	<30	<30	150	500	500	-	<30	mg/kg
PAH Sum of 6	<0.22	<0.22	<0.22	<0.22	0.27	3.17	<0.22	3.92	<0.22	0.27	3.46	0.27	-	-	-	<0.22	mg/kg
PAH Sum of 17	<0.64	<0.64	<0.64	<0.64	1.14	6.15	<0.64	7.78	<0.64	<0.64	6.49	0.64	100	100	-	<0.64	mg/kg
WAC Leachate Data**																	
Arsenic	<0.025	<0.025	<0.025	<0.025	<0.025	0.057	<0.025	<0.025	<0.025	0.069	0.033	<0.025	0.5	1.5	-	<0.025	mg/kg
Barium	1.28	0.05	0.12	0.15	0.42	1.05	0.51	0.28	0.38	0.47	0.41	1.1	20	20	-	<0.03	mg/kg
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	0.04	-	<0.005	mg/kg
Chromium	0.091	<0.015	<0.015	<0.015	0.062	<0.015	0.024	<0.015	0.116	<0.015	<0.015	<0.015	0.5	0.5	-	<0.015	mg/kg
Copper	<0.07	<0.07	<0.07	<0.07	0.19	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	2	2	-	<0.07	mg/kg
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.01	0.01	-	<0.0001	mg/kg
Molybdenum	0.05	0.04	0.03	<0.02	<0.02	0.72	<0.02	0.05	0.03	0.25	0.03	0.1	0.5	1.5	-	<0.02	mg/kg
Nickel	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	0.4	-	<0.02	mg/kg
Lead	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	-	<0.05	mg/kg
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02	0.29	<0.02	0.02	0.03	0.46	0.11	0.04	0.06	0.18	-	<0.02	mg/kg
Selenium	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.06	0.1	0.3	-	<0.03	mg/kg
Zinc	<0.03	<0.03	<0.03	<0.03	<0.03	0.18	0.13	<0.03	<0.03	<0.03	<0.03	<0.03	4	4	-	<0.03	mg/kg
Total Dissolved Solids	4882	590	<350	480	3500	2569	470	<350	3230	970	680	1060	4000	12,000	-	<350	mg/kg
Dissolved Organic Carbon	110	30	40	30	160	90	90	<20	80	40	30	30	500	500	-	<20	mg/kg
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	1	-	<0.1	mg/kg
Fluoride	<3	<3	4	<3	<3	<3	<3	<3	<3	<3	<3	<3	10	10	-	<3	mg/kg
Sulphate as SO4	91	38	39	24	201	542	19	15	498	41	56	126	1000	3,000	-	<0.5	mg/kg
Chloride	61	14	13	6	44	183	10	6	113	24	29	34	800	2,400	-	<3	mg/kg

NAD- no asbestos detected

* - Integrated Materials Solutions Landfill, Hollywood Great, Nag's Head, The Naul, Co. Dublin

** - limits as specified in Council Decision 2003/33/EC

RECEIVED: 19/09/2025

Landfill Waste Acceptance Criteria Category - Only Applicable to Material Being Disposed of to Landfill

Galway Port

Sample ID	WS-02	WS-03	WS-04	WS-04	WS-04	WS-05	WS-05	WS-07	WS-09	WS-09	WS-10	WS-10					
Sample Depth (m)	0.00-0.50	0.00-0.54	0.00-1.00	1.00-2.00	2.00-2.20	0.00-1.00	1.00-1.70	0.00-0.70	0.00-1.00	1.00-1.50	0.00-1.00	1.00-2.00					
Material Description	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Clay	Clay	Made Ground <2% Anthropogenic Material	Clay	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material					
Sample Date	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	30/08/2019	30/08/2019	30/08/2019	29/08/2019	29/08/2019					
LoW Code	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 03*	17 05 03*					
Landfill Waste Acceptance Criteria Category	Category B1	Category B1	Category B1	Category B1	Category B1	Category B1	Category B1	Category B2	Category C	Category B1	Category D	Category D	Category B1 Criteria	Category B2 Criteria	Hazardous Criteria	LOD LOR	Units
Metals																	
Antimony	<1	<1	<1	<1	<1	<1	<1	<1	2	1	39	6	-	-	HazWaste	<1	mg/kg
Arsenic	3.4	3.8	2.1	2	2.1	2.6	3	2.8	16.5	6.6	77.1	12.2	-	-	HazWaste	<0.5	mg/kg
Barium	433	324	28	21	22	36	35	28	444	1560	1705	173	-	-	HazWaste	<1	mg/kg
Cadmium	0.4	0.5	0.6	0.3	0.3	0.4	0.5	0.4	0.9	<0.1	33.9	115.3	-	-	HazWaste	<0.1	mg/kg
Chromium	31.7	32.3	38.4	60.4	60.2	82.7	35.5	25.8	57.8	63.9	30.9	10.8	-	-	HazWaste	<0.5	mg/kg
Copper	14	15	11	11	9	25	13	12	88	<1	293	111	-	-	HazWaste	<1	mg/kg
Lead	38	31	33	9	9	53	16	35	300	48	4709	684	-	-	HazWaste	<5	mg/kg
Mercury	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	1.3	0.1	-	-	HazWaste	<0.1	mg/kg
Molybdenum	2.6	2.2	2.1	3.2	3.5	4.5	1.7	2.2	3.8	2	2.2	2.3	-	-	HazWaste	<0.1	mg/kg
Nickel	10.8	10.6	8.4	9.2	6.9	10.9	11	8.1	17.1	5.6	11	15.1	-	-	HazWaste	<0.7	mg/kg
Selenium	<1	<1	<1	<1	<1	<1	<1	<1	<1	6	<1	2	-	-	HazWaste	<1	mg/kg
Zinc	41	55	37	24	39	62	28	48	352	82	5015	10741	-	-	HazWaste	<5	mg/kg
Hexavalent Chromium	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	HazWaste	<0.3	mg/kg
pH (solid sample)	8.51	8.97	9.01	9.05	9.16	9.06	9.14	8.69	8.66	8.57	8.81	8.68	-	-	HazWaste	<0.01	pH units
alkali reserve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000	gNaOH/100g
Asbestos																	
Asbestos (Dry Weight)	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	<0.001	-	-	0.1	<0.001	%
Asbestos (Moisture Corrected Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	%
ACM Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Presence	Presence
PAHs																	
Naphthalene	<0.04	<0.04	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	0.46	0.07	0.05	0.04	-	-	HazWaste	<0.04	mg/kg
Acenaphthylene	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.91	0.08	0.04	<0.03	-	-	HazWaste	<0.03	mg/kg
Acenaphthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	<0.05	<0.05	-	-	HazWaste	<0.05	mg/kg
Fluorene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.31	<0.04	<0.04	<0.04	-	-	HazWaste	<0.04	mg/kg
Phenanthrene	<0.03	0.05	0.15	<0.03	<0.03	0.07	<0.03	0.04	3.59	0.41	0.19	0.13	-	-	HazWaste	<0.03	mg/kg
Anthracene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	1.58	0.14	0.07	0.04	-	-	HazWaste	<0.04	mg/kg
Fluoranthene	0.04	0.09	0.27	<0.03	<0.03	0.13	<0.03	0.06	10.51	0.86	0.4	0.2	-	-	HazWaste	<0.03	mg/kg
Pyrene	0.03	0.09	0.26	<0.03	<0.03	0.11	<0.03	0.05	9.12	0.8	0.44	0.18	-	-	HazWaste	<0.03	mg/kg
Benzo(a)anthracene	<0.06	0.1	0.19	<0.06	<0.06	0.12	<0.06	<0.06	6.66	0.66	0.3	0.17	-	-	HazWaste	<0.06	mg/kg
Chrysene	<0.02	0.06	0.19	<0.02	<0.02	0.11	<0.02	<0.02	5.98	0.62	0.32	0.15	-	-	HazWaste	<0.02	mg/kg
Benzo(bk)fluoranthene	<0.07	0.17	0.36	<0.07	<0.07	0.18	<0.07	<0.07	11.76	1.1	0.62	0.29	-	-	HazWaste	<0.07	mg/kg
Benzo(a)pyrene	<0.04	0.09	0.17	<0.04	<0.04	0.09	<0.04	<0.04	6.32	0.58	0.36	0.14	-	-	HazWaste	<0.04	mg/kg
Indeno(123cd)pyrene	<0.04	0.05	0.11	<0.04	<0.04	0.05	<0.04	<0.04	3.97	0.34	0.24	0.1	-	-	HazWaste	<0.04	mg/kg
Dibenzo(ah)anthracene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.86	0.09	0.06	<0.04	-	-	HazWaste	<0.04	mg/kg
Benzo(ghi)perylene	<0.04	0.07	0.13	<0.04	<0.04	0.06	<0.04	<0.04	3.93	0.37	0.3	0.1	-	-	HazWaste	<0.04	mg/kg
Coronene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.87	0.08	0.06	<0.04	-	-	HazWaste	<0.04	mg/kg
PAH 6 Total	<0.22	0.47	1.04	<0.22	<0.22	0.51	<0.22	<0.22	36.49	3.25	1.92	0.83	-	-	-	<0.22	mg/kg
PAH 17 Total	<0.64	0.77	1.94	<0.64	<0.64	0.92	<0.64	<0.64	66.95	6.2	3.45	1.54	100	100	-	<0.64	mg/kg
Benzo(b)fluoranthene	<0.05	0.12	0.26	<0.05	<0.05	0.13	<0.05	<0.05	8.47	0.79	0.45	0.21	-	-	HazWaste	<0.05	mg/kg
Benzo(k)fluoranthene	<0.02	0.05	0.1	<0.02	<0.02	0.05	<0.02	<0.02	3.29	0.31	0.17	0.08	-	-	HazWaste	<0.02	mg/kg
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1	4	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Hydrocarbons																	
TPH (CS-40)	<52	<52	<52	<52	<52	<52	<52	<52	454	<52	335	<52	-	-	HazWaste	<52	mg/kg
MTBE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8	-	-	HazWaste	<5	ug/kg
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
m/p-Xylene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
o-Xylene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Total 7 PCBs	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	1,000	1,000	HazWaste	<35	ug/kg
WAC Solid Sample Summary**																	
Total Organic Carbon *	0.17	0.52	0.37	0.08	0.14	0.47	0.11	0.32	7.1	1.85	0.67	NDP	3	6	-	<0.02	%
Sum of BTEX	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	6	6	-	<0.025	mg/kg
Sum of 7 PCBs	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	1	-	<0.035	mg/kg
Mineral Oil	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	117	<30	500	500	-	<30	mg/kg
PAH Sum of 6	<0.22	0.47	1.04	<0.22	<0.22	0.51	<0.22	<0.22	36.49	3.25	1.92	0.83	-	-	-	<0.22	mg/kg
PAH Sum of 17	<0.64	0.77	1.94	<0.64	<0.64	0.92	<0.64	<0.64	66.95	6.2	3.45	1.54	100	100	-	<0.64	mg/kg
WAC Leachate Data**																	
Arsenic	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.046	<0.025	0.222	<0.025	0.5	1.5	-	<0.025	mg/kg
Barium	0.79	0.98	0.03	<0.03	<0.03	0.04	<0.03	0.18	0.35	<0.03	1.46	0.73	20	20	-	<0.03	mg/kg
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	0.04	0.04	-	<0.005	mg/kg
Chromium	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.02	<0.015	<0.015	0.5	0.5	-	<0.015	mg/kg
Copper	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.08	<0.07	<0.07	<0.07	2	2	-	<0.07	mg/kg
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	0.01	0.01	-	<0.0001	mg/kg
Molybdenum	0.09	0.11	0.09	0.05	0.08	0.15	0.06	0.09	0.05	<0.02	0.09	0.06	0.5	1.5	-	<0.02	mg/kg
Nickel	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	0.4	-	<0.02	mg/kg
Lead	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.87	0.1	0.5	0.5	-	<0.05	mg/kg
Antimony	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.17	<0.02	0.06	0.18	-	<0.02	mg/kg
Selenium	0.06	0.06	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.3	-	<0.03	mg/kg
Zinc	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	<0.03	0.13	0.45	4	4	-	<0.03	mg/kg
Total Dissolved Solids	870	700	650	810	1200	660	760	4688	870	2781	1000	1020	4000	12,000	-	<350	mg/kg
Dissolved Organic Carbon	<20	<20	30	<20	40	30	<20	<20	40	30	<20	<20	500	500	-	<20	mg/kg
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	1	-	<0.1	mg/kg
Fluoride	<3	5	<3	8	<3	4	<3	<3	<3	10	<3	<3	10	10	-	<3	mg/kg
Sulphate as SO4	231	114	10	54	115	124	66	2825	98	589	214	398	1000	3,000	-	<0.5	mg/kg
Chloride	4	<3	<3	12	246	22	30	40	8	578	5	89	800	2,400	-	<3	mg/kg

NAD- no asbestos detected

* - Integrated Materials Solutions Landfill, Hollywood Great, Nag's Head, The Naul, Co. Dublin

** - limits as specified in Council Decision 2003/33/EC

RECEIVED: 19/09/2025

Landfill Waste Acceptance Criteria Category - Only Applicable to Material Being Disposed of to Landfill

Galway Port

Sample ID	WS-11	WS-12	WS-12	WS-13	WS-13	WS-14	WS-16	WS-17	WS-18	WS-18	WS-18	WS-19					
Sample Depth (m)	0.00-0.70	0.00-1.00	1.00-2.00	0.00-1.00	1.00-2.00	0.00-1.00	0.00-1.00	0.00-1.00	0.00-1.00	1.00-2.00	2.00-2.80	0.00-1.00					
Material Description	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material	Made Ground <2% Anthropogenic Material					
Sample Date	03/09/2019	30/08/2019	30/08/2019	03/09/2019	03/09/2019	28/08/2019	03/09/2019	02/09/2019	02/09/2019	02/09/2019	02/09/2019	03/09/2019					
LoW Code	17 05 03*	17 05 04	17 05 04	17 05 04	17 05 04	17 05 04	17 05 03*	17 05 04	17 05 03*	17 05 03*	17 05 03*	17 05 04					
Landfill Waste Acceptance Criteria Category	Category D	Category B1	Category B1	Category C	Category B1	Category C	Category D	Category B2	Category D	Category D	Category D	Category B1	Category B1 Criteria	Category B2 Criteria	Hazardous Criteria	LOD LOR	Units
Metals																	
Antimony	20	<1	<1	6	1	<1	46	<1	12	17	10	<1	-	-	HazWaste	<1	mg/kg
Arsenic	41.2	4	4.9	20.5	3.7	1.7	79.5	2.4	24.7	14.7	61.9	3.1	-	-	HazWaste	<0.5	mg/kg
Barium	304	79	40	210	42	13	2381	15	590	1329	452	28	-	-	HazWaste	<1	mg/kg
Cadmium	16.4	0.4	0.4	0.9	0.5	0.4	18.4	0.3	15.5	1.5	9.3	0.7	-	-	HazWaste	<0.1	mg/kg
Chromium	32.5	41.8	35.5	73.4	69.2	22.2	60.2	18.6	16	19.9	77	19.7	-	-	HazWaste	<0.5	mg/kg
Copper	175	26	23	152	45	11	361	6	142	96	2146	16	-	-	HazWaste	<1	mg/kg
Lead	3128	207	36	382	60	19	4882	11	1976	938	956	30	-	-	HazWaste	<5	mg/kg
Mercury	0.5	<0.1	<0.1	1	0.3	<0.1	1.5	<0.1	0.6	<0.1	0.7	<0.1	-	-	HazWaste	<0.1	mg/kg
Molybdenum	3	2.7	1.7	4.5	4.1	2.2	4.1	2.1	1.2	1	4.9	2.4	-	-	HazWaste	<0.1	mg/kg
Nickel	8.6	15.4	11.9	19.9	12	7.6	15.4	7.7	13.3	13.7	47.8	9.3	-	-	HazWaste	<0.7	mg/kg
Selenium	<1	2	2	<1	<1	<1	1	<1	<1	2	1	<1	-	-	HazWaste	<1	mg/kg
Zinc	1981	83	38	285	51	183	3042	45	1791	1033	2850	49	-	-	HazWaste	<5	mg/kg
Hexavalent Chromium	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	HazWaste	<0.3	mg/kg
pH (solid sample)	7.91	8.78	9.18	8.68	8.8	8.44	8.82	8.65	8.41	8.71	7.91	10.05	-	-	HazWaste	<0.01	pH units
alkali reserve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000	gNaOH/100g
Asbestos																	
Asbestos (Dry Weight)	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	<0.001	0.051	NAD	NAD	-	-	0.1	<0.001	%
Asbestos (Moisture Corrected Weight)	-	-	-	-	-	-	-	-	-	0.0438	-	-	-	-	-	-	%
ACM Detected	-	-	-	-	-	-	-	-	-	Bitumen Products	-	-	-	-	-	Presence	Presence
PAHs																	
Naphthalene	<0.40	0.11	<0.04	0.79	<0.04	<0.04	0.07	<0.04	0.57	<0.40	1.18	0.24	-	-	HazWaste	<0.04	mg/kg
Acenaphthylene	<0.30	0.09	<0.03	1.33	<0.03	<0.03	0.08	<0.03	0.89	1.9	0.73	0.08	-	-	HazWaste	<0.03	mg/kg
Acenaphthene	<0.50	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	0.19	<0.50	<0.50	<0.05	-	-	HazWaste	<0.05	mg/kg
Fluorene	<0.40	<0.04	<0.04	0.27	<0.04	<0.04	<0.04	<0.04	0.52	<0.40	<0.40	0.05	-	-	HazWaste	<0.04	mg/kg
Phenanthrene	<0.30	0.42	0.15	3.15	0.05	<0.03	0.21	<0.03	3.38	1.05	4.88	0.51	-	-	HazWaste	<0.03	mg/kg
Anthracene	<0.40	0.11	0.06	1.4	<0.04	<0.04	0.1	<0.04	1.82	1.06	1.34	0.17	-	-	HazWaste	<0.04	mg/kg
Fluoranthene	<0.30	0.66	0.33	8.57	0.05	<0.03	0.59	<0.03	8	3.94	7.72	0.91	-	-	HazWaste	<0.03	mg/kg
Pyrene	<0.30	0.59	0.28	7.43	<0.03	<0.03	0.51	<0.03	6.73	5.2	7.01	0.79	-	-	HazWaste	<0.03	mg/kg
Benzo(a)anthracene	<0.60	0.5	0.3	8.24	<0.06	<0.06	0.47	<0.06	4.79	2.34	5.37	0.54	-	-	HazWaste	<0.06	mg/kg
Chrysene	<0.20	0.5	0.24	6.77	<0.02	<0.02	0.42	<0.02	4.33	4.07	5.68	0.5	-	-	HazWaste	<0.02	mg/kg
Benzo(bk)fluoranthene	<0.70	0.93	0.41	16.38	<0.07	<0.07	0.86	<0.07	7.95	19.51	9.41	0.98	-	-	HazWaste	<0.07	mg/kg
Benzo(a)pyrene	<0.40	0.48	0.21	8.72	<0.04	<0.04	0.46	<0.04	4.42	12.7	4.69	0.54	-	-	HazWaste	<0.04	mg/kg
Indeno(123cd)pyrene	<0.40	0.31	0.1	5.83	<0.04	<0.04	0.29	<0.04	2.88	12.85	3.26	0.39	-	-	HazWaste	<0.04	mg/kg
Dibenzo(ah)anthracene	<0.40	0.09	<0.04	1.33	<0.04	<0.04	0.07	<0.04	0.53	2.17	0.94	0.09	-	-	HazWaste	<0.04	mg/kg
Benzo(ghi)perylene	<0.40	0.31	0.12	6.13	<0.04	<0.04	0.3	<0.04	2.58	13.63	3.32	0.36	-	-	HazWaste	<0.04	mg/kg
Coronene	<0.40	0.06	<0.04	1.33	<0.04	<0.04	0.07	<0.04	0.5	2.42	0.64	0.08	-	-	HazWaste	<0.04	mg/kg
PAH 6 Total	<2.20	2.69	1.17	45.63	<0.22	<0.22	2.5	<0.22	25.83	62.63	28.4	3.18	-	-	-	<0.22	mg/kg
PAH 17 Total	<6.40	5.16	2.2	77.78	<0.64	<0.64	4.5	<0.64	50.08	82.84	56.17	6.23	100	100	-	<0.64	mg/kg
Benzo(b)fluoranthene	<0.50	0.67	0.3	11.79	<0.05	<0.05	0.62	<0.05	5.72	14.05	6.78	0.71	-	-	HazWaste	<0.05	mg/kg
Benzo(k)fluoranthene	<0.20	0.26	0.11	4.59	<0.02	<0.02	0.24	<0.02	2.23	5.46	2.63	0.27	-	-	HazWaste	<0.02	mg/kg
Benzo(j)fluoranthene	<10	<1	<1	4	<1	<1	<1	<1	2	<10	<10	<1	-	-	HazWaste	<1	mg/kg
Hydrocarbons																	
TPH (CS-40)	826	<52	<52	490	<52	<52	280	<52	326	1834	1837	232	-	-	HazWaste	<52	mg/kg
MTBE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Toluene	<5	19	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
m/p-Xylene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
o-Xylene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Total 7 PCBs	<175	<35	<35	<35	<35	<35	<35	<35	<35	<175	<175	<35	1,000	1,000	HazWaste	<35	ug/kg
WAC Solid Sample Summary**																	
Total Organic Carbon *	1.56	2.16	0.76	8.07	1.51	0.1	0.95	0.1	NDP	NDP	20.55	0.44	3	6	-	<0.02	%
Sum of BTEX	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	6	6	-	<0.025	mg/kg
Sum of 7 PCBs	<0.175	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.175	<0.175	<0.035	1	1	-	<0.035	mg/kg
Mineral Oil	201	<30	<30	<30	<30	38	72	<30	108	191	819	34	500	500	-	<30	mg/kg
PAH Sum of 6	<2.20	2.69	1.17	45.63	<0.22	<0.22	2.5	<0.22	25.83	62.63	28.4	3.18	-	-	-	<0.22	mg/kg
PAH Sum of 17	<6.40	5.16	2.2	77.78	<0.64	<0.64	4.5	<0.64	50.08	82.84	56.17	6.23	100	100	-	<0.64	mg/kg
WAC Leachate Data**																	
Arsenic	<0.025	0.038	0.031	0.163	<0.025	<0.025	0.153	<0.025	0.033	0.08	0.068	0.04	0.5	1.5	-	<0.025	mg/kg
Barium	1.21	<0.03	<0.03	0.1	<0.03	0.16	1.81	0.11	0.25	0.11	0.31	0.16	20	20	-	<0.03	mg/kg
Cadmium	0.477	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.017	<0.005	0.04	0.04	-	<0.005	mg/kg
Chromium	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.018	<0.015	<0.015	<0.015	0.5	0.5	-	<0.015	mg/kg
Copper	0.29	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.28	0.14	0.15	0.21	2	2	-	<0.07	mg/kg
Mercury	0.0008	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.0005	0.0003	<0.0001	<0.0001	0.01	0.01	-	<0.0001	mg/kg
Molybdenum	0.04	0.12	0.04	0.06	<0.02	0.09	0.11	0.07	0.06	0.03	0.06	0.18	0.5	1.5	-	<0.02	mg/kg
Nickel	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	0.4	-	<0.02	mg/kg
Lead	5.41	<0.05	<0.05	0.06	<0.05	<0.05	0.6	<0.05	0.11	0.08	<0.05	<0.05	0.5	0.5	-	<0.05	mg/kg
Antimony	0.14	0.05	<0.02	0.38	0.06	<0.02	0.21	<0.02	0.27	0.1	<0.02	<0.02	0.06	0.18	-	<0.02	mg/kg
Selenium	<0.03	0.07	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.09	0.1	0.3	-	<0.03	mg/kg
Zinc	41.86	0.04	0.05	0.08	0.04	<0.03	0.11	<0.03	0.29	0.07	6.07	0.03	4	4	-	<0.03	mg/kg
Total Dissolved Solids	15230	620	620	990	710	5910	860	4262	1330	1520	4030	950	4000	12,000	-	<350	mg/kg
Dissolved Organic Carbon	30	30	60	60	40	<20	<20	<20	170	70	<20	40	500	500	-	<20	mg/kg
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	1	-	<0.1	mg/kg
Fluoride	3	4	<3	4	<3	<3	<3	4	5	4	5	5	10	10	-	<3	mg/kg
Sulphate as SO4	8282	77	74	234	17	3762	132	2582	189	403	1495	105	1000	3,000	-	<0.5	mg/kg
Chloride	26	8	87	9	6	5	7	39	23	90	67	6	800	2,400	-	<3	mg/kg

NAD- no asbestos detected

* - Integrated Materials Solutions Landfill, Hollywood Great, Nag's Head, The Naul, Co. Dublin

** - limits as specified in Council Decision 2003/33/EC

RECEIVED: 19/09/2025

Landfill Waste Acceptance Criteria Category - Only Applicable to Material Being Disposed of to Landfill

Galway Port

Sample ID	WS-20	WS-21	WS-21	WS-21	WS-21	WS-22	WS-23	WS-23	WS-24	Category B1 Criteria	Category B2 Criteria	Hazardous Criteria	LOD LOR	Units
Sample Depth (m)	**0.00-1.00**	**0.00-1.00**	**1.00-2.00**	**2.00-3.00**	**3.00-4.00**	**0.00-1.00**	**0.00-1.00**	**1.00-2.00**	**0.00-0.50**					
Material Description	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Clay**	**Clay**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**	**Made Ground <2% Anthropogenic Material**					
Sample Date	**29/08/2019**	**29/08/2019**	**29/08/2019**	**29/08/2019**	**29/08/2019**	**29/08/2019**	**02/09/2019**	**02/09/2019**	**02/09/2019**					
LoW Code	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**	**17 05 04**					
Landfill Waste Acceptance Criteria Category	**Category B1**	**Category B1**	**Category B1**	**Category B1**	**Category B1**	**Category B1**	**Category B2**	**Category B1**	**Category C**					
Metals														
Antimony	1	1	3	1	2	2	2	2	<1	-	-	HazWaste	<1	mg/kg
Arsenic	3.5	5	7.4	5.4	5.3	6.6	5.4	2.7	2.9	-	-	HazWaste	<0.5	mg/kg
Barium	36	46	165	47	65	85	108	87	19	-	-	HazWaste	<1	mg/kg
Cadmium	0.6	0.4	0.9	1	0.8	1.1	3	0.3	0.5	-	-	HazWaste	<0.1	mg/kg
Chromium	32.1	57.5	79.3	88.6	75.1	50.7	71.4	131.9	25.6	-	-	HazWaste	<0.5	mg/kg
Copper	36	24	46	19	21	41	48	47	8	-	-	HazWaste	<1	mg/kg
Lead	72	69	395	21	46	155	264	61	5	-	-	HazWaste	<5	mg/kg
Mercury	0.2	<0.1	0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	-	-	HazWaste	<0.1	mg/kg
Molybdenum	3.4	3.2	4.8	5.2	3.9	2.8	4.1	5.6	3.4	-	-	HazWaste	<0.1	mg/kg
Nickel	13.2	12.9	19.7	21.3	22.8	10.9	14	24.2	12.3	-	-	HazWaste	<0.7	mg/kg
Selenium	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Zinc	1070	57	275	52	76	192	309	89	13	-	-	HazWaste	<5	mg/kg
Hexavalent Chromium	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	HazWaste	<0.3	mg/kg
pH (solid sample)	9.44	9	8.58	8.55	8.95	8.57	8.35	8.81	10.52	-	-	HazWaste	<0.01	pH units
alkali reserve	-	-	-	-	-	-	-	-	-	-	-	-	<0.000	gNaOH/100g
Asbestos														
Asbestos (Dry Weight)	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	0.1	<0.001	%
Asbestos (Moisture Corrected Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	%
ACM Detected	-	-	-	-	-	-	-	-	-	-	-	-	Presence	Presence
PAHs														
Naphthalene	<0.04	0.04	0.07	<0.04	<0.04	0.04	0.1	0.08	<0.04	-	-	HazWaste	<0.04	mg/kg
Acenaphthylene	<0.03	0.08	<0.03	<0.03	<0.03	0.05	0.05	0.08	<0.03	-	-	HazWaste	<0.03	mg/kg
Acenaphthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	HazWaste	<0.05	mg/kg
Fluorene	<0.04	0.04	<0.04	<0.04	<0.04	<0.04	0.06	<0.04	<0.04	-	-	HazWaste	<0.04	mg/kg
Phenanthrene	<0.03	0.58	0.18	<0.03	0.07	0.15	0.32	0.3	<0.03	-	-	HazWaste	<0.03	mg/kg
Anthracene	<0.04	0.28	0.06	<0.04	<0.04	0.05	0.16	0.14	<0.04	-	-	HazWaste	<0.04	mg/kg
Fluoranthene	0.04	1.12	0.42	<0.03	0.17	0.37	0.61	0.79	<0.03	-	-	HazWaste	<0.03	mg/kg
Pyrene	0.03	1.02	0.41	<0.03	0.17	0.34	0.51	0.72	<0.03	-	-	HazWaste	<0.03	mg/kg
Benzo(a)anthracene	<0.06	0.81	0.32	<0.06	0.14	0.32	0.39	0.56	<0.06	-	-	HazWaste	<0.06	mg/kg
Chrysene	<0.02	0.71	0.3	<0.02	0.12	0.26	0.32	0.59	<0.02	-	-	HazWaste	<0.02	mg/kg
Benzo(bk)fluoranthene	<0.07	1.21	0.59	<0.07	0.24	0.54	0.62	1	<0.07	-	-	HazWaste	<0.07	mg/kg
Benzo(a)pyrene	<0.04	0.66	0.31	<0.04	0.12	0.28	0.35	0.54	<0.04	-	-	HazWaste	<0.04	mg/kg
Indeno(123cd)pyrene	<0.04	0.44	0.2	<0.04	0.09	0.2	0.23	0.3	<0.04	-	-	HazWaste	<0.04	mg/kg
Dibenzo(ah)anthracene	<0.04	0.11	<0.04	<0.04	<0.04	0.04	0.04	0.07	<0.04	-	-	HazWaste	<0.04	mg/kg
Benzo(ghi)perylene	<0.04	0.49	0.2	<0.04	0.1	0.22	0.24	0.31	<0.04	-	-	HazWaste	<0.04	mg/kg
Coronene	<0.04	0.12	0.06	<0.04	<0.04	0.05	0.05	0.08	<0.04	-	-	HazWaste	<0.04	mg/kg
PAH 6 Total	<0.22	3.92	1.72	<0.22	0.72	1.61	2.05	2.94	<0.22	-	-	-	<0.22	mg/kg
PAH 17 Total	<0.64	7.71	3.12	<0.64	1.22	2.91	4.05	5.56	<0.64	100	100	-	<0.64	mg/kg
Benzo(b)fluoranthene	<0.05	0.87	0.42	<0.05	0.17	0.39	0.45	0.72	<0.05	-	-	HazWaste	<0.05	mg/kg
Benzo(k)fluoranthene	<0.02	0.34	0.17	<0.02	0.07	0.15	0.17	0.28	<0.02	-	-	HazWaste	<0.02	mg/kg
Benzo(j)fluoranthene	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	HazWaste	<1	mg/kg
Hydrocarbons														
TPH (CS-40)	<52	<52	<52	<52	105	70	<52	<52	<52	-	-	HazWaste	<52	mg/kg
MTBE	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Toluene	<5	<5	7	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
m/p-Xylene	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
o-Xylene	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	HazWaste	<5	ug/kg
Total 7 PCBs	<35	<35	<35	<35	<35	<35	<35	<35	<35	1,000	1,000	HazWaste	<35	ug/kg
WAC Solid Sample Summary**														
Total Organic Carbon *	0.26	1.09	2.78	0.68	0.72	0.62	1.51	0.84	0.21	3	6	-	<0.02	%
Sum of BTEX	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	6	6	-	<0.025	mg/kg
Sum of 7 PCBs	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1	1	-	<0.035	mg/kg
Mineral Oil	<30	<30	<30	<30	105	<30	<30	<30	<30	500	500	-	<30	mg/kg
PAH Sum of 6	<0.22	3.92	1.72	<0.22	0.72	1.61	2.05	2.94	<0.22	-	-	-	<0.22	mg/kg
PAH Sum of 17	<0.64	7.71	3.12	<0.64	1.22	2.91	4.05	5.56	<0.64	100	100	-	<0.64	mg/kg
WAC Leachate Data**														
Arsenic	0.039	0.03	<0.025	<0.025	<0.025	0.026	<0.025	<0.025	<0.025	0.5	1.5	-	<0.025	mg/kg
Barium	0.15	0.03	0.12	<0.03	<0.03	0.11	0.28	0.21	0.14	20	20	-	<0.03	mg/kg
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.04	0.04	-	<0.005	mg/kg
Chromium	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.5	0.5	-	<0.015	mg/kg
Copper	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.08	<0.07	2	2	-	<0.07	mg/kg
Mercury	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.01	0.01	-	<0.0001	mg/kg
Molybdenum	0.16	0.04	0.03	0.03	0.07	0.08	0.19	0.08	0.26	0.5	1.5	-	<0.02	mg/kg
Nickel	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	0.4	-	<0.02	mg/kg
Lead	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	-	<0.05	mg/kg
Antimony	<0.02	0.02	0.06	0.02	<0.02	0.03	0.06	<0.02	<0.02	0.06	0.18	-	<0.02	mg/kg
Selenium	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.11	0.1	0.3	-	<0.03	mg/kg
Zinc	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	0.05	0.05	<0.03	4	4	-	<0.03	mg/kg
Total Dissolved Solids	1661	610	1421	1220	980	1560	3780	780	8048	4000	12,000	-	<350	mg/kg
Dissolved Organic Carbon	30	30	50	30	30	<20	20	30	30	500	500	-	<20	mg/kg
Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	1	-	<0.1	mg/kg
Fluoride	3	<3	5	<3	<3	4	5	4	8	10	10	-	<3	mg/kg
Sulphate as SO4	605	99	212	187	129	683	2089	212	4703	1000	3,000	-	<0.5	mg/kg
Chloride	5	17	89	182	167	8	3	<3	8	800	2,400	-	<3	mg/kg

NAD- no asbestos detected

* - Integrated Materials Solutions Landfill, Hollywood Great, Nag's Head, The Naul, Co. Dublin

** - limits as specified in Council Decision 2003/33/EC

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APPENDIX 7 – Soil Recovery Sites Screening Report

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Soil Recovery Sites Screening Report

ZDG87-Q6A1P-51YCY

Job name
Galway Port Master Report

Description/Comments

Project
14663-04-25

Site
Galway Port Master Report

Classified by

Name:
Lin Moriarty
Date:
15 Jul 2025 08:48 GMT
Telephone:
083 337 0013

Company:
Ground Investigations Ireland Ltd
Catherinestown House
Hazelhatch Road
Newcastle
D22 YD52

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification: CERTIFIED

Course	Date
Hazardous Waste Classification	05 Jun 2025

Next 3 year Refresher due by Jun 2028

Purpose of classification
7 - Disposal of Waste

Address of the waste
Galway Port **Post Code** N/A

Description of industry/producer giving rise to the waste
Construction

Description of the specific process, sub-process and/or activity that created the waste
Foundation Excavation

Description of the waste
Made Ground and Soil and Stone

Screening Summary

#	Sample name	Depth [m]	Domain 1	Domain 2	Domain 3	Domain 4	Domain 5	Domain 6	Domain 7	Page
1	WS203-29/09/2022-0.00-0.70m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	4
2	WS206-29/09/2022-0.00-0.50m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	8
3	WS207-29/09/2022-0.00-0.60m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	12
4	WS208-29/09/2022-0.00-0.90m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	16
5	WS209-29/09/2022-0.00-0.60m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	20
6	WS210-29/09/2022-0.00-0.90m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	24
7	WS211-29/09/2022-0.00-0.70m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	28
8	WS212-29/09/2022-0.00-0.60m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	32
9	WS213-29/09/2022-0.00-0.50m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	36
10	WS214-29/09/2022-0.00-0.50m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	40
11	WS215-29/09/2022-0.00-0.50m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	44
12	TP1-01-12/07/2024-0.00-1.00m		Fail	Pass	Pass	Fail	Pass	Fail	Fail	48
13	TP1-01-12/07/2024-1.00-2.00m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	52
14	TP1-01-12/07/2024-2.00-2.50m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	56

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#	Sample name	Depth [m]	Domain 1	Domain 2	Domain 3	Domain 4	Domain 5	Domain 6	Domain 7	Page
15	TP1-02-12/07/2024-0.80-1.00m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	60
16	TP1-02-12/07/2024-1.00-2.00m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	64
17	TP1-02-12/07/2024-2.00-2.60m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	68
18	TP1-03-12/07/2024-0.00-1.00m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	72
19	TP1-03-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	76
20	TP1-03-12/07/2024-2.00-3.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	80
21	TP1-04-12/07/2024-0.00-1.00m		Fail	Pass	Pass	Pass	Pass	Pass	Fail	84
22	TP1-04-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	88
23	TP1-04-12/07/2024-2.00-2.90m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	92
24	TP1-05-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	96
25	TP1-05-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	100
26	TP1-05-12/07/2024-2.00-3.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	104
27	TP1-05-12/07/2024-3.00-3.70m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	108
28	TP1-06-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	112
29	TP1-06-12/07/2024-1.00-2.00m		Pass	Pass	Fail	Pass	Pass	Pass	Pass	116
30	TP1-06-12/07/2024-2.00-3.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	120
31	TP1-07-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	124
32	TP1-07-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	128
33	TP1-07-12/07/2024-2.00-2.70m		Fail	Pass	Fail	Fail	Fail	Pass	Fail	132
34	TP1-08-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	136
35	TP1-08-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	140
36	TP1-08-12/07/2024-2.00-3.00m		Fail	Fail	Fail	Fail	Pass	Fail	Fail	144
37	TP1-08-12/07/2024-3.00-3.60m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	148
38	TP1-09-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	152
39	TP1-09-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	156
40	TP1-09-12/07/2024-2.00-3.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	160
41	TP1-10-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	164
42	TP1-10-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	168
43	TP1-10-12/07/2024-2.00-3.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	172
44	TP1-10-12/07/2024-3.00-4.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	176
45	TP1-11-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	180
46	TP1-11-12/07/2024-1.00-1.70m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	184
47	TP1-12-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	188
48	TP1-12-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	192
49	TP1-12-12/07/2024-2.00-3.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	196
50	TP1-12-12/07/2024-3.00-3.60m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	200
51	TP1-13-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	204
52	TP1-13-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	208
53	TP1-13-12/07/2024-2.00-2.80m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	212
54	TP1-14-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	216
55	TP1-14-12/07/2024-2.00-3.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	220
56	TP1-14-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	224
57	TP1-15-12/07/2024-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	228
58	TP1-15-12/07/2024-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	232
59	TP1-15-12/07/2024-2.00-2.60m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	236
60	WS-01-02/09/2019-0.00-0.50m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	240
61	WS-02-02/09/2019-0.00-0.50m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	244
62	WS-03-02/09/2019-0.00-0.54m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	248
63	WS-04-02/09/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	252
64	WS-04-02/09/2019-1.00-2.00m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	256
65	WS-04-02/09/2019-2.00-2.20m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	260
66	WS-05-02/09/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Pass	Fail	Pass	264
67	WS-05-02/09/2019-1.00-1.70m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	268
68	WS-07-30/08/2019-0.00-0.70m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	272

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#	Sample name	Depth [m]	Domain 1	Domain 2	Domain 3	Domain 4	Domain 5	Domain 6	Domain 7	Page
69	WS-09-30/08/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	276
70	WS-09-30/08/2019-1.00-1.50m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	280
71	WS-10-29/08/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	284
72	WS-10-29/08/2019-1.00-2.00m		No data	No data	No data	No data	No data	No data	No data	288
73	WS-11-03/09/2019-0.00-0.70m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	293
74	WS-12-30/08/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	297
75	WS-12-30/08/2019-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	301
76	WS-13-03/09/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	305
77	WS-13-03/09/2019-1.00-2.00m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	309
78	WS-14-28/08/2019-0.00-1.00m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	313
79	WS-16-03/09/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	317
80	WS-17-02/09/2019-0.00-1.00m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	321
81	WS-18-02/09/2019-0.00-1.00m		No data	No data	No data	No data	No data	No data	No data	325
82	WS-18-02/09/2019-1.00-2.00m		No data	No data	No data	No data	No data	No data	No data	330
83	WS-18-02/09/2019-2.00-2.80m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	335
84	WS-19-03/09/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	339
85	WS-19-03/09/2019-1.00-1.60m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	343
86	WS-20-29/08/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	347
87	WS-21-29/08/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	351
88	WS-21-29/08/2019-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	355
89	WS-21-29/08/2019-2.00-3.00m		Fail	Fail	Fail	Fail	Pass	Fail	Fail	359
90	WS-21-29/08/2019-3.00-4.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	363
91	WS-22-29/08/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	367
92	WS-23-02/09/2019-0.00-1.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	371
93	WS-23-02/09/2019-1.00-2.00m		Fail	Fail	Fail	Fail	Fail	Fail	Fail	375
94	WS-24-02/09/2019-0.00-0.50m		Pass	Pass	Pass	Pass	Pass	Pass	Pass	379

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Soil Recovery Sites Screening results for sample: WS203-29/09/2022-0.00-0.70m

⚠ Sample "WS203-29/09/2022-0.00-0.70m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.6	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.4	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	8.5	47.8	mg/kg
8	lead	mg/kg	<5	48.3	mg/kg
9	zinc	mg/kg	46	137	mg/kg
10	TOC (total organic carbon)	%	0.15	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS203-29/09/2022-0.00-0.70m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.6	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.4	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	8.5	61.9	mg/kg
8	lead	mg/kg	<5	86.1	mg/kg
9	zinc	mg/kg	46	197	mg/kg
10	TOC (total organic carbon)	%	0.15	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS203-29/09/2022-0.00-0.70m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.6	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.4	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	8.5	54.4	mg/kg
8	lead	mg/kg	<5	81.3	mg/kg
9	zinc	mg/kg	46	237	mg/kg
10	TOC (total organic carbon)	%	0.15	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS203-29/09/2022-0.00-0.70m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.6	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.4	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	8.5	50.3	mg/kg
8	lead	mg/kg	<5	91.4	mg/kg
9	zinc	mg/kg	46	155	mg/kg
10	TOC (total organic carbon)	%	0.15	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS203-29/09/2022-0.00-0.70m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.6	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.4	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	8.5	65.7	mg/kg
8	lead	mg/kg	<5	109	mg/kg
9	zinc	mg/kg	46	224	mg/kg
10	TOC (total organic carbon)	%	0.15	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS203-29/09/2022-0.00-0.70m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.6	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.4	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	8.5	28.2	mg/kg
8	lead	mg/kg	<5	108	mg/kg
9	zinc	mg/kg	46	168	mg/kg
10	TOC (total organic carbon)	%	0.15	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS203-29/09/2022-0.00-0.70m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.6	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.4	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	8.5	35.7	mg/kg
8	lead	mg/kg	<5	61.1	mg/kg
9	zinc	mg/kg	46	122	mg/kg
10	TOC (total organic carbon)	%	0.15	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS206-29/09/2022-0.00-0.50m

⚠ Sample "WS206-29/09/2022-0.00-0.50m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.5	15.6	mg/kg
2	cadmium	mg/kg	0.2	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	7.2	47.8	mg/kg
8	lead	mg/kg	8	48.3	mg/kg
9	zinc	mg/kg	14	137	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	580	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS206-29/09/2022-0.00-0.50m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.5	24.9	mg/kg
2	cadmium	mg/kg	0.2	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	7.2	61.9	mg/kg
8	lead	mg/kg	8	86.1	mg/kg
9	zinc	mg/kg	14	197	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	580	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS206-29/09/2022-0.00-0.50m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.5	38.1	mg/kg
2	cadmium	mg/kg	0.2	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	7.2	54.4	mg/kg
8	lead	mg/kg	8	81.3	mg/kg
9	zinc	mg/kg	14	237	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	580	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS206-29/09/2022-0.00-0.50m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.5	32.3	mg/kg
2	cadmium	mg/kg	0.2	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	7.2	50.3	mg/kg
8	lead	mg/kg	8	91.4	mg/kg
9	zinc	mg/kg	14	155	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	580	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS206-29/09/2022-0.00-0.50m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.5	41.5	mg/kg
2	cadmium	mg/kg	0.2	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	7.2	65.7	mg/kg
8	lead	mg/kg	8	109	mg/kg
9	zinc	mg/kg	14	224	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	580	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS206-29/09/2022-0.00-0.50m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.5	85.8	mg/kg
2	cadmium	mg/kg	0.2	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	7.2	28.2	mg/kg
8	lead	mg/kg	8	108	mg/kg
9	zinc	mg/kg	14	168	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	580	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS206-29/09/2022-0.00-0.50m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.5	30.9	mg/kg
2	cadmium	mg/kg	0.2	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	7.2	35.7	mg/kg
8	lead	mg/kg	8	61.1	mg/kg
9	zinc	mg/kg	14	122	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	580	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS207-29/09/2022-0.00-0.60m

⚠ Sample "WS207-29/09/2022-0.00-0.60m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	16.6	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	7.7	47.8	mg/kg
8	lead	mg/kg	10	48.3	mg/kg
9	zinc	mg/kg	23	137	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS207-29/09/2022-0.00-0.60m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	16.6	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	7.7	61.9	mg/kg
8	lead	mg/kg	10	86.1	mg/kg
9	zinc	mg/kg	23	197	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS207-29/09/2022-0.00-0.60m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	16.6	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	7.7	54.4	mg/kg
8	lead	mg/kg	10	81.3	mg/kg
9	zinc	mg/kg	23	237	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS207-29/09/2022-0.00-0.60m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	16.6	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	7.7	50.3	mg/kg
8	lead	mg/kg	10	91.4	mg/kg
9	zinc	mg/kg	23	155	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS207-29/09/2022-0.00-0.60m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	16.6	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	7.7	65.7	mg/kg
8	lead	mg/kg	10	109	mg/kg
9	zinc	mg/kg	23	224	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS207-29/09/2022-0.00-0.60m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	16.6	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	7.7	28.2	mg/kg
8	lead	mg/kg	10	108	mg/kg
9	zinc	mg/kg	23	168	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS207-29/09/2022-0.00-0.60m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	16.6	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	7.7	35.7	mg/kg
8	lead	mg/kg	10	61.1	mg/kg
9	zinc	mg/kg	23	122	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	208	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS208-29/09/2022-0.00-0.90m

⚠ Sample "WS208-29/09/2022-0.00-0.90m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	1.9	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	6.3	47.8	mg/kg
8	lead	mg/kg	7	48.3	mg/kg
9	zinc	mg/kg	13	137	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	184	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS208-29/09/2022-0.00-0.90m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	1.9	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	6.3	61.9	mg/kg
8	lead	mg/kg	7	86.1	mg/kg
9	zinc	mg/kg	13	197	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	184	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS208-29/09/2022-0.00-0.90m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	1.9	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	6.3	54.4	mg/kg
8	lead	mg/kg	7	81.3	mg/kg
9	zinc	mg/kg	13	237	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	184	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS208-29/09/2022-0.00-0.90m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	1.9	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	6.3	50.3	mg/kg
8	lead	mg/kg	7	91.4	mg/kg
9	zinc	mg/kg	13	155	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	184	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS208-29/09/2022-0.00-0.90m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	1.9	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	6.3	65.7	mg/kg
8	lead	mg/kg	7	109	mg/kg
9	zinc	mg/kg	13	224	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	184	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS208-29/09/2022-0.00-0.90m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	1.9	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	6.3	28.2	mg/kg
8	lead	mg/kg	7	108	mg/kg
9	zinc	mg/kg	13	168	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	184	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS208-29/09/2022-0.00-0.90m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	1.9	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	6.3	35.7	mg/kg
8	lead	mg/kg	7	61.1	mg/kg
9	zinc	mg/kg	13	122	mg/kg
10	TOC (total organic carbon)	%	0.69	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	184	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS209-29/09/2022-0.00-0.60m

⚠ Sample "WS209-29/09/2022-0.00-0.60m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.5	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	8.4	47.8	mg/kg
8	lead	mg/kg	<5	48.3	mg/kg
9	zinc	mg/kg	74	137	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.14	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS209-29/09/2022-0.00-0.60m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.5	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	8.4	61.9	mg/kg
8	lead	mg/kg	<5	86.1	mg/kg
9	zinc	mg/kg	74	197	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.14	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS209-29/09/2022-0.00-0.60m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.5	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	8.4	54.4	mg/kg
8	lead	mg/kg	<5	81.3	mg/kg
9	zinc	mg/kg	74	237	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.14	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS209-29/09/2022-0.00-0.60m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.5	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	8.4	50.3	mg/kg
8	lead	mg/kg	<5	91.4	mg/kg
9	zinc	mg/kg	74	155	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.14	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS209-29/09/2022-0.00-0.60m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.5	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	8.4	65.7	mg/kg
8	lead	mg/kg	<5	109	mg/kg
9	zinc	mg/kg	74	224	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.14	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS209-29/09/2022-0.00-0.60m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.5	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	8.4	28.2	mg/kg
8	lead	mg/kg	<5	108	mg/kg
9	zinc	mg/kg	74	168	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.14	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS209-29/09/2022-0.00-0.60m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.5	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	8.4	35.7	mg/kg
8	lead	mg/kg	<5	61.1	mg/kg
9	zinc	mg/kg	74	122	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.14	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS210-29/09/2022-0.00-0.90m

⚠ Sample "WS210-29/09/2022-0.00-0.90m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	4.4	15.6	mg/kg
2	cadmium	mg/kg	0.8	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.1	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	40	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	4.5	47.8	mg/kg
8	lead	mg/kg	78	48.3	mg/kg
9	zinc	mg/kg	135	137	mg/kg
10	TOC (total organic carbon)	%	3.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.15	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS210-29/09/2022-0.00-0.90m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	4.4	24.9	mg/kg
2	cadmium	mg/kg	0.8	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.1	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	40	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	4.5	61.9	mg/kg
8	lead	mg/kg	78	86.1	mg/kg
9	zinc	mg/kg	135	197	mg/kg
10	TOC (total organic carbon)	%	3.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.15	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS210-29/09/2022-0.00-0.90m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	4.4	38.1	mg/kg
2	cadmium	mg/kg	0.8	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.1	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	40	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	4.5	54.4	mg/kg
8	lead	mg/kg	78	81.3	mg/kg
9	zinc	mg/kg	135	237	mg/kg
10	TOC (total organic carbon)	%	3.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.15	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS210-29/09/2022-0.00-0.90m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	4.4	32.3	mg/kg
2	cadmium	mg/kg	0.8	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.1	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	40	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	4.5	50.3	mg/kg
8	lead	mg/kg	78	91.4	mg/kg
9	zinc	mg/kg	135	155	mg/kg
10	TOC (total organic carbon)	%	3.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.15	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS210-29/09/2022-0.00-0.90m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	4.4	41.5	mg/kg
2	cadmium	mg/kg	0.8	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.1	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	40	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	4.5	65.7	mg/kg
8	lead	mg/kg	78	109	mg/kg
9	zinc	mg/kg	135	224	mg/kg
10	TOC (total organic carbon)	%	3.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.15	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS210-29/09/2022-0.00-0.90m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	4.4	85.8	mg/kg
2	cadmium	mg/kg	0.8	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.1	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	40	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	4.5	28.2	mg/kg
8	lead	mg/kg	78	108	mg/kg
9	zinc	mg/kg	135	168	mg/kg
10	TOC (total organic carbon)	%	3.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.15	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS210-29/09/2022-0.00-0.90m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	4.4	30.9	mg/kg
2	cadmium	mg/kg	0.8	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.1	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	40	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	4.5	35.7	mg/kg
8	lead	mg/kg	78	61.1	mg/kg
9	zinc	mg/kg	135	122	mg/kg
10	TOC (total organic carbon)	%	3.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.15	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS211-29/09/2022-0.00-0.70m

⚠ Sample "WS211-29/09/2022-0.00-0.70m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	4.8	15.6	mg/kg
2	cadmium	mg/kg	2.2	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.7	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	51.2	mg/kg
6	mercury	mg/kg	0.1	0.254	mg/kg
7	nickel	mg/kg	5.7	47.8	mg/kg
8	lead	mg/kg	229	48.3	mg/kg
9	zinc	mg/kg	254	137	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.069	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	163	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS211-29/09/2022-0.00-0.70m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	4.8	24.9	mg/kg
2	cadmium	mg/kg	2.2	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.7	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	63.5	mg/kg
6	mercury	mg/kg	0.1	0.36	mg/kg
7	nickel	mg/kg	5.7	61.9	mg/kg
8	lead	mg/kg	229	86.1	mg/kg
9	zinc	mg/kg	254	197	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.069	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	163	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS211-29/09/2022-0.00-0.70m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	4.8	38.1	mg/kg
2	cadmium	mg/kg	2.2	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.7	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	56.9	mg/kg
6	mercury	mg/kg	0.1	0.457	mg/kg
7	nickel	mg/kg	5.7	54.4	mg/kg
8	lead	mg/kg	229	81.3	mg/kg
9	zinc	mg/kg	254	237	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.069	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	163	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS211-29/09/2022-0.00-0.70m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	4.8	32.3	mg/kg
2	cadmium	mg/kg	2.2	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.7	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	80.4	mg/kg
6	mercury	mg/kg	0.1	0.285	mg/kg
7	nickel	mg/kg	5.7	50.3	mg/kg
8	lead	mg/kg	229	91.4	mg/kg
9	zinc	mg/kg	254	155	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.069	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	163	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS211-29/09/2022-0.00-0.70m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	4.8	41.5	mg/kg
2	cadmium	mg/kg	2.2	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.7	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	77.6	mg/kg
6	mercury	mg/kg	0.1	0.302	mg/kg
7	nickel	mg/kg	5.7	65.7	mg/kg
8	lead	mg/kg	229	109	mg/kg
9	zinc	mg/kg	254	224	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.069	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	163	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS211-29/09/2022-0.00-0.70m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	4.8	85.8	mg/kg
2	cadmium	mg/kg	2.2	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.7	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	40	mg/kg
6	mercury	mg/kg	0.1	0.527	mg/kg
7	nickel	mg/kg	5.7	28.2	mg/kg
8	lead	mg/kg	229	108	mg/kg
9	zinc	mg/kg	254	168	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.069	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	163	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS211-29/09/2022-0.00-0.70m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	4.8	30.9	mg/kg
2	cadmium	mg/kg	2.2	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.7	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	83.1	mg/kg
6	mercury	mg/kg	0.1	0.262	mg/kg
7	nickel	mg/kg	5.7	35.7	mg/kg
8	lead	mg/kg	229	61.1	mg/kg
9	zinc	mg/kg	254	122	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.069	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	163	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS212-29/09/2022-0.00-0.60m

⚠ Sample "WS212-29/09/2022-0.00-0.60m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	8.8	15.6	mg/kg
2	cadmium	mg/kg	2	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	80.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	49	51.2	mg/kg
6	mercury	mg/kg	0.3	0.254	mg/kg
7	nickel	mg/kg	16.9	47.8	mg/kg
8	lead	mg/kg	257	48.3	mg/kg
9	zinc	mg/kg	269	137	mg/kg
10	TOC (total organic carbon)	%	4.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS212-29/09/2022-0.00-0.60m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	8.8	24.9	mg/kg
2	cadmium	mg/kg	2	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	80.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	49	63.5	mg/kg
6	mercury	mg/kg	0.3	0.36	mg/kg
7	nickel	mg/kg	16.9	61.9	mg/kg
8	lead	mg/kg	257	86.1	mg/kg
9	zinc	mg/kg	269	197	mg/kg
10	TOC (total organic carbon)	%	4.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS212-29/09/2022-0.00-0.60m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	8.8	38.1	mg/kg
2	cadmium	mg/kg	2	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	80.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	49	56.9	mg/kg
6	mercury	mg/kg	0.3	0.457	mg/kg
7	nickel	mg/kg	16.9	54.4	mg/kg
8	lead	mg/kg	257	81.3	mg/kg
9	zinc	mg/kg	269	237	mg/kg
10	TOC (total organic carbon)	%	4.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS212-29/09/2022-0.00-0.60m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	8.8	32.3	mg/kg
2	cadmium	mg/kg	2	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	80.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	49	80.4	mg/kg
6	mercury	mg/kg	0.3	0.285	mg/kg
7	nickel	mg/kg	16.9	50.3	mg/kg
8	lead	mg/kg	257	91.4	mg/kg
9	zinc	mg/kg	269	155	mg/kg
10	TOC (total organic carbon)	%	4.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS212-29/09/2022-0.00-0.60m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	8.8	41.5	mg/kg
2	cadmium	mg/kg	2	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	80.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	49	77.6	mg/kg
6	mercury	mg/kg	0.3	0.302	mg/kg
7	nickel	mg/kg	16.9	65.7	mg/kg
8	lead	mg/kg	257	109	mg/kg
9	zinc	mg/kg	269	224	mg/kg
10	TOC (total organic carbon)	%	4.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS212-29/09/2022-0.00-0.60m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	8.8	85.8	mg/kg
2	cadmium	mg/kg	2	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	80.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	49	40	mg/kg
6	mercury	mg/kg	0.3	0.527	mg/kg
7	nickel	mg/kg	16.9	28.2	mg/kg
8	lead	mg/kg	257	108	mg/kg
9	zinc	mg/kg	269	168	mg/kg
10	TOC (total organic carbon)	%	4.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS212-29/09/2022-0.00-0.60m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	8.8	30.9	mg/kg
2	cadmium	mg/kg	2	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	80.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	49	83.1	mg/kg
6	mercury	mg/kg	0.3	0.262	mg/kg
7	nickel	mg/kg	16.9	35.7	mg/kg
8	lead	mg/kg	257	61.1	mg/kg
9	zinc	mg/kg	269	122	mg/kg
10	TOC (total organic carbon)	%	4.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS213-29/09/2022-0.00-0.50m

Sample "WS213-29/09/2022-0.00-0.50m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	1.7	15.6	mg/kg
2	cadmium	mg/kg	0.2	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	5.9	47.8	mg/kg
8	lead	mg/kg	<5	48.3	mg/kg
9	zinc	mg/kg	7	137	mg/kg
10	TOC (total organic carbon)	%	0.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS213-29/09/2022-0.00-0.50m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	1.7	24.9	mg/kg
2	cadmium	mg/kg	0.2	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	5.9	61.9	mg/kg
8	lead	mg/kg	<5	86.1	mg/kg
9	zinc	mg/kg	7	197	mg/kg
10	TOC (total organic carbon)	%	0.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS213-29/09/2022-0.00-0.50m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	1.7	38.1	mg/kg
2	cadmium	mg/kg	0.2	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	5.9	54.4	mg/kg
8	lead	mg/kg	<5	81.3	mg/kg
9	zinc	mg/kg	7	237	mg/kg
10	TOC (total organic carbon)	%	0.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS213-29/09/2022-0.00-0.50m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	1.7	32.3	mg/kg
2	cadmium	mg/kg	0.2	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	5.9	50.3	mg/kg
8	lead	mg/kg	<5	91.4	mg/kg
9	zinc	mg/kg	7	155	mg/kg
10	TOC (total organic carbon)	%	0.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS213-29/09/2022-0.00-0.50m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	1.7	41.5	mg/kg
2	cadmium	mg/kg	0.2	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	5.9	65.7	mg/kg
8	lead	mg/kg	<5	109	mg/kg
9	zinc	mg/kg	7	224	mg/kg
10	TOC (total organic carbon)	%	0.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS213-29/09/2022-0.00-0.50m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	1.7	85.8	mg/kg
2	cadmium	mg/kg	0.2	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	5.9	28.2	mg/kg
8	lead	mg/kg	<5	108	mg/kg
9	zinc	mg/kg	7	168	mg/kg
10	TOC (total organic carbon)	%	0.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS213-29/09/2022-0.00-0.50m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	1.7	30.9	mg/kg
2	cadmium	mg/kg	0.2	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	5.9	35.7	mg/kg
8	lead	mg/kg	<5	61.1	mg/kg
9	zinc	mg/kg	7	122	mg/kg
10	TOC (total organic carbon)	%	0.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS214-29/09/2022-0.00-0.50m

Sample "WS214-29/09/2022-0.00-0.50m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.7	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	55.6	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	9.9	47.8	mg/kg
8	lead	mg/kg	15	48.3	mg/kg
9	zinc	mg/kg	31	137	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS214-29/09/2022-0.00-0.50m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.7	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	55.6	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	9.9	61.9	mg/kg
8	lead	mg/kg	15	86.1	mg/kg
9	zinc	mg/kg	31	197	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS214-29/09/2022-0.00-0.50m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.7	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	55.6	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	9.9	54.4	mg/kg
8	lead	mg/kg	15	81.3	mg/kg
9	zinc	mg/kg	31	237	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS214-29/09/2022-0.00-0.50m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.7	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	55.6	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	9.9	50.3	mg/kg
8	lead	mg/kg	15	91.4	mg/kg
9	zinc	mg/kg	31	155	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS214-29/09/2022-0.00-0.50m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.7	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	55.6	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	9.9	65.7	mg/kg
8	lead	mg/kg	15	109	mg/kg
9	zinc	mg/kg	31	224	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS214-29/09/2022-0.00-0.50m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.7	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	55.6	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	9.9	28.2	mg/kg
8	lead	mg/kg	15	108	mg/kg
9	zinc	mg/kg	31	168	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS214-29/09/2022-0.00-0.50m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.7	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	55.6	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	9.9	35.7	mg/kg
8	lead	mg/kg	15	61.1	mg/kg
9	zinc	mg/kg	31	122	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS215-29/09/2022-0.00-0.50m

⚠ Sample "WS215-29/09/2022-0.00-0.50m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.8	15.6	mg/kg
2	cadmium	mg/kg	0.8	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	7.8	47.8	mg/kg
8	lead	mg/kg	69	48.3	mg/kg
9	zinc	mg/kg	289	137	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.49	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS215-29/09/2022-0.00-0.50m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.8	24.9	mg/kg
2	cadmium	mg/kg	0.8	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	7.8	61.9	mg/kg
8	lead	mg/kg	69	86.1	mg/kg
9	zinc	mg/kg	289	197	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.49	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS215-29/09/2022-0.00-0.50m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.8	38.1	mg/kg
2	cadmium	mg/kg	0.8	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	7.8	54.4	mg/kg
8	lead	mg/kg	69	81.3	mg/kg
9	zinc	mg/kg	289	237	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.49	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS215-29/09/2022-0.00-0.50m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.8	32.3	mg/kg
2	cadmium	mg/kg	0.8	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	7.8	50.3	mg/kg
8	lead	mg/kg	69	91.4	mg/kg
9	zinc	mg/kg	289	155	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.49	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS215-29/09/2022-0.00-0.50m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.8	41.5	mg/kg
2	cadmium	mg/kg	0.8	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	7.8	65.7	mg/kg
8	lead	mg/kg	69	109	mg/kg
9	zinc	mg/kg	289	224	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.49	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS215-29/09/2022-0.00-0.50m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.8	85.8	mg/kg
2	cadmium	mg/kg	0.8	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	7.8	28.2	mg/kg
8	lead	mg/kg	69	108	mg/kg
9	zinc	mg/kg	289	168	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.49	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS215-29/09/2022-0.00-0.50m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.8	30.9	mg/kg
2	cadmium	mg/kg	0.8	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	7.8	35.7	mg/kg
8	lead	mg/kg	69	61.1	mg/kg
9	zinc	mg/kg	289	122	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.49	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-01-12/07/2024-0.00-1.00m

⚠ Sample "TP1-01-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.6	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.6	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	7.2	47.8	mg/kg
8	lead	mg/kg	24	48.3	mg/kg
9	zinc	mg/kg	293	137	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.035	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

✓ Sample "TP1-01-12/07/2024-0.00-1.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.6	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.6	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	7.2	61.9	mg/kg
8	lead	mg/kg	24	86.1	mg/kg
9	zinc	mg/kg	293	197	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.035	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "TP1-01-12/07/2024-0.00-1.00m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.6	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.6	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	7.2	54.4	mg/kg
8	lead	mg/kg	24	81.3	mg/kg
9	zinc	mg/kg	293	237	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.035	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-01-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.6	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.6	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	7.2	50.3	mg/kg
8	lead	mg/kg	24	91.4	mg/kg
9	zinc	mg/kg	293	155	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.035	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "TP1-01-12/07/2024-0.00-1.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.6	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.6	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	7.2	65.7	mg/kg
8	lead	mg/kg	24	109	mg/kg
9	zinc	mg/kg	293	224	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.035	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-01-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.6	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.6	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	7.2	28.2	mg/kg
8	lead	mg/kg	24	108	mg/kg
9	zinc	mg/kg	293	168	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.035	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

⚠ Sample "TP1-01-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.6	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.6	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	7.2	35.7	mg/kg
8	lead	mg/kg	24	61.1	mg/kg
9	zinc	mg/kg	293	122	mg/kg
10	TOC (total organic carbon)	%	0.27	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.035	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-01-12/07/2024-1.00-2.00m

Sample "TP1-01-12/07/2024-1.00-2.00m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	1.4	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	4.4	47.8	mg/kg
8	lead	mg/kg	8	48.3	mg/kg
9	zinc	mg/kg	57	137	mg/kg
10	TOC (total organic carbon)	%	0.13	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-01-12/07/2024-1.00-2.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	1.4	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	4.4	61.9	mg/kg
8	lead	mg/kg	8	86.1	mg/kg
9	zinc	mg/kg	57	197	mg/kg
10	TOC (total organic carbon)	%	0.13	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-01-12/07/2024-1.00-2.00m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	1.4	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	4.4	54.4	mg/kg
8	lead	mg/kg	8	81.3	mg/kg
9	zinc	mg/kg	57	237	mg/kg
10	TOC (total organic carbon)	%	0.13	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-01-12/07/2024-1.00-2.00m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	1.4	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	4.4	50.3	mg/kg
8	lead	mg/kg	8	91.4	mg/kg
9	zinc	mg/kg	57	155	mg/kg
10	TOC (total organic carbon)	%	0.13	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-01-12/07/2024-1.00-2.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	1.4	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	4.4	65.7	mg/kg
8	lead	mg/kg	8	109	mg/kg
9	zinc	mg/kg	57	224	mg/kg
10	TOC (total organic carbon)	%	0.13	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-01-12/07/2024-1.00-2.00m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	1.4	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	4.4	28.2	mg/kg
8	lead	mg/kg	8	108	mg/kg
9	zinc	mg/kg	57	168	mg/kg
10	TOC (total organic carbon)	%	0.13	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-01-12/07/2024-1.00-2.00m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	1.4	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	5	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	4.4	35.7	mg/kg
8	lead	mg/kg	8	61.1	mg/kg
9	zinc	mg/kg	57	122	mg/kg
10	TOC (total organic carbon)	%	0.13	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-01-12/07/2024-2.00-2.50m

Sample "TP1-01-12/07/2024-2.00-2.50m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.1	15.6	mg/kg
2	cadmium	mg/kg	0.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.7	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	7.3	47.8	mg/kg
8	lead	mg/kg	11	48.3	mg/kg
9	zinc	mg/kg	28	137	mg/kg
10	TOC (total organic carbon)	%	0.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-01-12/07/2024-2.00-2.50m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.1	24.9	mg/kg
2	cadmium	mg/kg	0.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.7	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	7.3	61.9	mg/kg
8	lead	mg/kg	11	86.1	mg/kg
9	zinc	mg/kg	28	197	mg/kg
10	TOC (total organic carbon)	%	0.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-01-12/07/2024-2.00-2.50m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.1	38.1	mg/kg
2	cadmium	mg/kg	0.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.7	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	7.3	54.4	mg/kg
8	lead	mg/kg	11	81.3	mg/kg
9	zinc	mg/kg	28	237	mg/kg
10	TOC (total organic carbon)	%	0.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-01-12/07/2024-2.00-2.50m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.1	32.3	mg/kg
2	cadmium	mg/kg	0.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.7	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	7.3	50.3	mg/kg
8	lead	mg/kg	11	91.4	mg/kg
9	zinc	mg/kg	28	155	mg/kg
10	TOC (total organic carbon)	%	0.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-01-12/07/2024-2.00-2.50m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.1	41.5	mg/kg
2	cadmium	mg/kg	0.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.7	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	7.3	65.7	mg/kg
8	lead	mg/kg	11	109	mg/kg
9	zinc	mg/kg	28	224	mg/kg
10	TOC (total organic carbon)	%	0.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-01-12/07/2024-2.00-2.50m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.1	85.8	mg/kg
2	cadmium	mg/kg	0.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.7	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	7.3	28.2	mg/kg
8	lead	mg/kg	11	108	mg/kg
9	zinc	mg/kg	28	168	mg/kg
10	TOC (total organic carbon)	%	0.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-01-12/07/2024-2.00-2.50m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.1	30.9	mg/kg
2	cadmium	mg/kg	0.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.7	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	7.3	35.7	mg/kg
8	lead	mg/kg	11	61.1	mg/kg
9	zinc	mg/kg	28	122	mg/kg
10	TOC (total organic carbon)	%	0.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-02-12/07/2024-0.80-1.00m

Sample "TP1-02-12/07/2024-0.80-1.00m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	4.1	15.6	mg/kg
2	cadmium	mg/kg	0.7	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.5	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	51.2	mg/kg
6	mercury	mg/kg	0.3	0.254	mg/kg
7	nickel	mg/kg	10.8	47.8	mg/kg
8	lead	mg/kg	42	48.3	mg/kg
9	zinc	mg/kg	35	137	mg/kg
10	TOC (total organic carbon)	%	0.2	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-02-12/07/2024-0.80-1.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	4.1	24.9	mg/kg
2	cadmium	mg/kg	0.7	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.5	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	63.5	mg/kg
6	mercury	mg/kg	0.3	0.36	mg/kg
7	nickel	mg/kg	10.8	61.9	mg/kg
8	lead	mg/kg	42	86.1	mg/kg
9	zinc	mg/kg	35	197	mg/kg
10	TOC (total organic carbon)	%	0.2	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "TP1-02-12/07/2024-0.80-1.00m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	4.1	38.1	mg/kg
2	cadmium	mg/kg	0.7	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.5	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	56.9	mg/kg
6	mercury	mg/kg	0.3	0.457	mg/kg
7	nickel	mg/kg	10.8	54.4	mg/kg
8	lead	mg/kg	42	81.3	mg/kg
9	zinc	mg/kg	35	237	mg/kg
10	TOC (total organic carbon)	%	0.2	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-02-12/07/2024-0.80-1.00m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	4.1	32.3	mg/kg
2	cadmium	mg/kg	0.7	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.5	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	80.4	mg/kg
6	mercury	mg/kg	0.3	0.285	mg/kg
7	nickel	mg/kg	10.8	50.3	mg/kg
8	lead	mg/kg	42	91.4	mg/kg
9	zinc	mg/kg	35	155	mg/kg
10	TOC (total organic carbon)	%	0.2	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "TP1-02-12/07/2024-0.80-1.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	4.1	41.5	mg/kg
2	cadmium	mg/kg	0.7	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.5	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	77.6	mg/kg
6	mercury	mg/kg	0.3	0.302	mg/kg
7	nickel	mg/kg	10.8	65.7	mg/kg
8	lead	mg/kg	42	109	mg/kg
9	zinc	mg/kg	35	224	mg/kg
10	TOC (total organic carbon)	%	0.2	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-02-12/07/2024-0.80-1.00m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	4.1	85.8	mg/kg
2	cadmium	mg/kg	0.7	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.5	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	40	mg/kg
6	mercury	mg/kg	0.3	0.527	mg/kg
7	nickel	mg/kg	10.8	28.2	mg/kg
8	lead	mg/kg	42	108	mg/kg
9	zinc	mg/kg	35	168	mg/kg
10	TOC (total organic carbon)	%	0.2	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-02-12/07/2024-0.80-1.00m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	4.1	30.9	mg/kg
2	cadmium	mg/kg	0.7	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.5	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	83.1	mg/kg
6	mercury	mg/kg	0.3	0.262	mg/kg
7	nickel	mg/kg	10.8	35.7	mg/kg
8	lead	mg/kg	42	61.1	mg/kg
9	zinc	mg/kg	35	122	mg/kg
10	TOC (total organic carbon)	%	0.2	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-02-12/07/2024-1.00-2.00m

Sample "TP1-02-12/07/2024-1.00-2.00m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.5	15.6	mg/kg
2	cadmium	mg/kg	0.6	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	8.5	47.8	mg/kg
8	lead	mg/kg	8	48.3	mg/kg
9	zinc	mg/kg	13	137	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-02-12/07/2024-1.00-2.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.5	24.9	mg/kg
2	cadmium	mg/kg	0.6	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	8.5	61.9	mg/kg
8	lead	mg/kg	8	86.1	mg/kg
9	zinc	mg/kg	13	197	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-02-12/07/2024-1.00-2.00m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.5	38.1	mg/kg
2	cadmium	mg/kg	0.6	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	8.5	54.4	mg/kg
8	lead	mg/kg	8	81.3	mg/kg
9	zinc	mg/kg	13	237	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-02-12/07/2024-1.00-2.00m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.5	32.3	mg/kg
2	cadmium	mg/kg	0.6	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	8.5	50.3	mg/kg
8	lead	mg/kg	8	91.4	mg/kg
9	zinc	mg/kg	13	155	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-02-12/07/2024-1.00-2.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.5	41.5	mg/kg
2	cadmium	mg/kg	0.6	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	8.5	65.7	mg/kg
8	lead	mg/kg	8	109	mg/kg
9	zinc	mg/kg	13	224	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-02-12/07/2024-1.00-2.00m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.5	85.8	mg/kg
2	cadmium	mg/kg	0.6	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	8.5	28.2	mg/kg
8	lead	mg/kg	8	108	mg/kg
9	zinc	mg/kg	13	168	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-02-12/07/2024-1.00-2.00m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.5	30.9	mg/kg
2	cadmium	mg/kg	0.6	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	8.5	35.7	mg/kg
8	lead	mg/kg	8	61.1	mg/kg
9	zinc	mg/kg	13	122	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-02-12/07/2024-2.00-2.60m

Sample "TP1-02-12/07/2024-2.00-2.60m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	1.6	15.6	mg/kg
2	cadmium	mg/kg	0.2	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	3.9	47.8	mg/kg
8	lead	mg/kg	<5	48.3	mg/kg
9	zinc	mg/kg	9	137	mg/kg
10	TOC (total organic carbon)	%	0.92	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-02-12/07/2024-2.00-2.60m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	1.6	24.9	mg/kg
2	cadmium	mg/kg	0.2	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	3.9	61.9	mg/kg
8	lead	mg/kg	<5	86.1	mg/kg
9	zinc	mg/kg	9	197	mg/kg
10	TOC (total organic carbon)	%	0.92	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-02-12/07/2024-2.00-2.60m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	1.6	38.1	mg/kg
2	cadmium	mg/kg	0.2	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	3.9	54.4	mg/kg
8	lead	mg/kg	<5	81.3	mg/kg
9	zinc	mg/kg	9	237	mg/kg
10	TOC (total organic carbon)	%	0.92	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-02-12/07/2024-2.00-2.60m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	1.6	32.3	mg/kg
2	cadmium	mg/kg	0.2	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	3.9	50.3	mg/kg
8	lead	mg/kg	<5	91.4	mg/kg
9	zinc	mg/kg	9	155	mg/kg
10	TOC (total organic carbon)	%	0.92	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-02-12/07/2024-2.00-2.60m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	1.6	41.5	mg/kg
2	cadmium	mg/kg	0.2	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	3.9	65.7	mg/kg
8	lead	mg/kg	<5	109	mg/kg
9	zinc	mg/kg	9	224	mg/kg
10	TOC (total organic carbon)	%	0.92	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-02-12/07/2024-2.00-2.60m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	1.6	85.8	mg/kg
2	cadmium	mg/kg	0.2	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	3.9	28.2	mg/kg
8	lead	mg/kg	<5	108	mg/kg
9	zinc	mg/kg	9	168	mg/kg
10	TOC (total organic carbon)	%	0.92	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-02-12/07/2024-2.00-2.60m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	1.6	30.9	mg/kg
2	cadmium	mg/kg	0.2	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	4	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	3.9	35.7	mg/kg
8	lead	mg/kg	<5	61.1	mg/kg
9	zinc	mg/kg	9	122	mg/kg
10	TOC (total organic carbon)	%	0.92	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-03-12/07/2024-0.00-1.00m

Sample "TP1-03-12/07/2024-0.00-1.00m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	4.4	15.6	mg/kg
2	cadmium	mg/kg	0.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.5	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	10	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	13.6	47.8	mg/kg
8	lead	mg/kg	15	48.3	mg/kg
9	zinc	mg/kg	18	137	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	31	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-03-12/07/2024-0.00-1.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	4.4	24.9	mg/kg
2	cadmium	mg/kg	0.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.5	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	10	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	13.6	61.9	mg/kg
8	lead	mg/kg	15	86.1	mg/kg
9	zinc	mg/kg	18	197	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	31	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-03-12/07/2024-0.00-1.00m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	4.4	38.1	mg/kg
2	cadmium	mg/kg	0.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.5	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	10	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	13.6	54.4	mg/kg
8	lead	mg/kg	15	81.3	mg/kg
9	zinc	mg/kg	18	237	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	31	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-03-12/07/2024-0.00-1.00m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	4.4	32.3	mg/kg
2	cadmium	mg/kg	0.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.5	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	10	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	13.6	50.3	mg/kg
8	lead	mg/kg	15	91.4	mg/kg
9	zinc	mg/kg	18	155	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	31	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-03-12/07/2024-0.00-1.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	4.4	41.5	mg/kg
2	cadmium	mg/kg	0.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.5	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	10	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	13.6	65.7	mg/kg
8	lead	mg/kg	15	109	mg/kg
9	zinc	mg/kg	18	224	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	31	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-03-12/07/2024-0.00-1.00m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	4.4	85.8	mg/kg
2	cadmium	mg/kg	0.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.5	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	10	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	13.6	28.2	mg/kg
8	lead	mg/kg	15	108	mg/kg
9	zinc	mg/kg	18	168	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	31	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "TP1-03-12/07/2024-0.00-1.00m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	4.4	30.9	mg/kg
2	cadmium	mg/kg	0.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	17.5	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	10	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	13.6	35.7	mg/kg
8	lead	mg/kg	15	61.1	mg/kg
9	zinc	mg/kg	18	122	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	31	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-03-12/07/2024-1.00-2.00m

⚠ Sample "TP1-03-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	191	15.6	mg/kg
2	cadmium	mg/kg	50.1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	74.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	787	51.2	mg/kg
6	mercury	mg/kg	4	0.254	mg/kg
7	nickel	mg/kg	26	47.8	mg/kg
8	lead	mg/kg	9593	48.3	mg/kg
9	zinc	mg/kg	7757	137	mg/kg
10	TOC (total organic carbon)	%	1.29	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	226	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-03-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	191	24.9	mg/kg
2	cadmium	mg/kg	50.1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	74.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	787	63.5	mg/kg
6	mercury	mg/kg	4	0.36	mg/kg
7	nickel	mg/kg	26	61.9	mg/kg
8	lead	mg/kg	9593	86.1	mg/kg
9	zinc	mg/kg	7757	197	mg/kg
10	TOC (total organic carbon)	%	1.29	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	226	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-03-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	191	38.1	mg/kg
2	cadmium	mg/kg	50.1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	74.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	787	56.9	mg/kg
6	mercury	mg/kg	4	0.457	mg/kg
7	nickel	mg/kg	26	54.4	mg/kg
8	lead	mg/kg	9593	81.3	mg/kg
9	zinc	mg/kg	7757	237	mg/kg
10	TOC (total organic carbon)	%	1.29	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	226	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-03-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	191	32.3	mg/kg
2	cadmium	mg/kg	50.1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	74.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	787	80.4	mg/kg
6	mercury	mg/kg	4	0.285	mg/kg
7	nickel	mg/kg	26	50.3	mg/kg
8	lead	mg/kg	9593	91.4	mg/kg
9	zinc	mg/kg	7757	155	mg/kg
10	TOC (total organic carbon)	%	1.29	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	226	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-03-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	191	41.5	mg/kg
2	cadmium	mg/kg	50.1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	74.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	787	77.6	mg/kg
6	mercury	mg/kg	4	0.302	mg/kg
7	nickel	mg/kg	26	65.7	mg/kg
8	lead	mg/kg	9593	109	mg/kg
9	zinc	mg/kg	7757	224	mg/kg
10	TOC (total organic carbon)	%	1.29	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	226	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-03-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	191	85.8	mg/kg
2	cadmium	mg/kg	50.1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	74.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	787	40	mg/kg
6	mercury	mg/kg	4	0.527	mg/kg
7	nickel	mg/kg	26	28.2	mg/kg
8	lead	mg/kg	9593	108	mg/kg
9	zinc	mg/kg	7757	168	mg/kg
10	TOC (total organic carbon)	%	1.29	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	226	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-03-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	191	30.9	mg/kg
2	cadmium	mg/kg	50.1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	74.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	787	83.1	mg/kg
6	mercury	mg/kg	4	0.262	mg/kg
7	nickel	mg/kg	26	35.7	mg/kg
8	lead	mg/kg	9593	61.1	mg/kg
9	zinc	mg/kg	7757	122	mg/kg
10	TOC (total organic carbon)	%	1.29	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	226	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-03-12/07/2024-2.00-3.00m

⚠ Sample "TP1-03-12/07/2024-2.00-3.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	37.9	15.6	mg/kg
2	cadmium	mg/kg	9.9	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	157	51.2	mg/kg
6	mercury	mg/kg	0.9	0.254	mg/kg
7	nickel	mg/kg	12.9	47.8	mg/kg
8	lead	mg/kg	1609	48.3	mg/kg
9	zinc	mg/kg	1484	137	mg/kg
10	TOC (total organic carbon)	%	0.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-03-12/07/2024-2.00-3.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	37.9	24.9	mg/kg
2	cadmium	mg/kg	9.9	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	157	63.5	mg/kg
6	mercury	mg/kg	0.9	0.36	mg/kg
7	nickel	mg/kg	12.9	61.9	mg/kg
8	lead	mg/kg	1609	86.1	mg/kg
9	zinc	mg/kg	1484	197	mg/kg
10	TOC (total organic carbon)	%	0.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "TP1-03-12/07/2024-2.00-3.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	37.9	38.1	mg/kg
2	cadmium	mg/kg	9.9	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	157	56.9	mg/kg
6	mercury	mg/kg	0.9	0.457	mg/kg
7	nickel	mg/kg	12.9	54.4	mg/kg
8	lead	mg/kg	1609	81.3	mg/kg
9	zinc	mg/kg	1484	237	mg/kg
10	TOC (total organic carbon)	%	0.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-03-12/07/2024-2.00-3.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	37.9	32.3	mg/kg
2	cadmium	mg/kg	9.9	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	157	80.4	mg/kg
6	mercury	mg/kg	0.9	0.285	mg/kg
7	nickel	mg/kg	12.9	50.3	mg/kg
8	lead	mg/kg	1609	91.4	mg/kg
9	zinc	mg/kg	1484	155	mg/kg
10	TOC (total organic carbon)	%	0.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-03-12/07/2024-2.00-3.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	37.9	41.5	mg/kg
2	cadmium	mg/kg	9.9	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	157	77.6	mg/kg
6	mercury	mg/kg	0.9	0.302	mg/kg
7	nickel	mg/kg	12.9	65.7	mg/kg
8	lead	mg/kg	1609	109	mg/kg
9	zinc	mg/kg	1484	224	mg/kg
10	TOC (total organic carbon)	%	0.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-03-12/07/2024-2.00-3.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	37.9	85.8	mg/kg
2	cadmium	mg/kg	9.9	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	157	40	mg/kg
6	mercury	mg/kg	0.9	0.527	mg/kg
7	nickel	mg/kg	12.9	28.2	mg/kg
8	lead	mg/kg	1609	108	mg/kg
9	zinc	mg/kg	1484	168	mg/kg
10	TOC (total organic carbon)	%	0.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-03-12/07/2024-2.00-3.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	37.9	30.9	mg/kg
2	cadmium	mg/kg	9.9	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	157	83.1	mg/kg
6	mercury	mg/kg	0.9	0.262	mg/kg
7	nickel	mg/kg	12.9	35.7	mg/kg
8	lead	mg/kg	1609	61.1	mg/kg
9	zinc	mg/kg	1484	122	mg/kg
10	TOC (total organic carbon)	%	0.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-04-12/07/2024-0.00-1.00m

⚠ Sample "TP1-04-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5.3	15.6	mg/kg
2	cadmium	mg/kg	1.2	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.6	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	17	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	9.6	47.8	mg/kg
8	lead	mg/kg	105	48.3	mg/kg
9	zinc	mg/kg	125	137	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

✓ Sample "TP1-04-12/07/2024-0.00-1.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5.3	24.9	mg/kg
2	cadmium	mg/kg	1.2	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.6	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	17	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	9.6	61.9	mg/kg
8	lead	mg/kg	105	86.1	mg/kg
9	zinc	mg/kg	125	197	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "TP1-04-12/07/2024-0.00-1.00m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5.3	38.1	mg/kg
2	cadmium	mg/kg	1.2	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.6	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	17	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	9.6	54.4	mg/kg
8	lead	mg/kg	105	81.3	mg/kg
9	zinc	mg/kg	125	237	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-04-12/07/2024-0.00-1.00m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5.3	32.3	mg/kg
2	cadmium	mg/kg	1.2	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.6	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	17	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	9.6	50.3	mg/kg
8	lead	mg/kg	105	91.4	mg/kg
9	zinc	mg/kg	125	155	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "TP1-04-12/07/2024-0.00-1.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5.3	41.5	mg/kg
2	cadmium	mg/kg	1.2	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.6	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	17	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	9.6	65.7	mg/kg
8	lead	mg/kg	105	109	mg/kg
9	zinc	mg/kg	125	224	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-04-12/07/2024-0.00-1.00m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5.3	85.8	mg/kg
2	cadmium	mg/kg	1.2	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.6	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	17	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	9.6	28.2	mg/kg
8	lead	mg/kg	105	108	mg/kg
9	zinc	mg/kg	125	168	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

⚠ Sample "TP1-04-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5.3	30.9	mg/kg
2	cadmium	mg/kg	1.2	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16.6	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	17	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	9.6	35.7	mg/kg
8	lead	mg/kg	105	61.1	mg/kg
9	zinc	mg/kg	125	122	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-04-12/07/2024-1.00-2.00m

⚠ Sample "TP1-04-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	48.3	15.6	mg/kg
2	cadmium	mg/kg	9.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	91.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	198	51.2	mg/kg
6	mercury	mg/kg	0.9	0.254	mg/kg
7	nickel	mg/kg	32	47.8	mg/kg
8	lead	mg/kg	2396	48.3	mg/kg
9	zinc	mg/kg	1353	137	mg/kg
10	TOC (total organic carbon)	%	1.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	196	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-04-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	48.3	24.9	mg/kg
2	cadmium	mg/kg	9.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	91.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	198	63.5	mg/kg
6	mercury	mg/kg	0.9	0.36	mg/kg
7	nickel	mg/kg	32	61.9	mg/kg
8	lead	mg/kg	2396	86.1	mg/kg
9	zinc	mg/kg	1353	197	mg/kg
10	TOC (total organic carbon)	%	1.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	196	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-04-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	48.3	38.1	mg/kg
2	cadmium	mg/kg	9.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	91.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	198	56.9	mg/kg
6	mercury	mg/kg	0.9	0.457	mg/kg
7	nickel	mg/kg	32	54.4	mg/kg
8	lead	mg/kg	2396	81.3	mg/kg
9	zinc	mg/kg	1353	237	mg/kg
10	TOC (total organic carbon)	%	1.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	196	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-04-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	48.3	32.3	mg/kg
2	cadmium	mg/kg	9.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	91.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	198	80.4	mg/kg
6	mercury	mg/kg	0.9	0.285	mg/kg
7	nickel	mg/kg	32	50.3	mg/kg
8	lead	mg/kg	2396	91.4	mg/kg
9	zinc	mg/kg	1353	155	mg/kg
10	TOC (total organic carbon)	%	1.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	196	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-04-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	48.3	41.5	mg/kg
2	cadmium	mg/kg	9.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	91.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	198	77.6	mg/kg
6	mercury	mg/kg	0.9	0.302	mg/kg
7	nickel	mg/kg	32	65.7	mg/kg
8	lead	mg/kg	2396	109	mg/kg
9	zinc	mg/kg	1353	224	mg/kg
10	TOC (total organic carbon)	%	1.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	196	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-04-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	48.3	85.8	mg/kg
2	cadmium	mg/kg	9.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	91.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	198	40	mg/kg
6	mercury	mg/kg	0.9	0.527	mg/kg
7	nickel	mg/kg	32	28.2	mg/kg
8	lead	mg/kg	2396	108	mg/kg
9	zinc	mg/kg	1353	168	mg/kg
10	TOC (total organic carbon)	%	1.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	196	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-04-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	48.3	30.9	mg/kg
2	cadmium	mg/kg	9.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	91.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	198	83.1	mg/kg
6	mercury	mg/kg	0.9	0.262	mg/kg
7	nickel	mg/kg	32	35.7	mg/kg
8	lead	mg/kg	2396	61.1	mg/kg
9	zinc	mg/kg	1353	122	mg/kg
10	TOC (total organic carbon)	%	1.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	196	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-04-12/07/2024-2.00-2.90m

⚠ Sample "TP1-04-12/07/2024-2.00-2.90m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	39.8	15.6	mg/kg
2	cadmium	mg/kg	6	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	191	51.2	mg/kg
6	mercury	mg/kg	1.1	0.254	mg/kg
7	nickel	mg/kg	21.5	47.8	mg/kg
8	lead	mg/kg	1696	48.3	mg/kg
9	zinc	mg/kg	1002	137	mg/kg
10	TOC (total organic carbon)	%	2.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	83	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	44.27	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-04-12/07/2024-2.00-2.90m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	39.8	24.9	mg/kg
2	cadmium	mg/kg	6	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	191	63.5	mg/kg
6	mercury	mg/kg	1.1	0.36	mg/kg
7	nickel	mg/kg	21.5	61.9	mg/kg
8	lead	mg/kg	1696	86.1	mg/kg
9	zinc	mg/kg	1002	197	mg/kg
10	TOC (total organic carbon)	%	2.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	83	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	44.27	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-04-12/07/2024-2.00-2.90m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	39.8	38.1	mg/kg
2	cadmium	mg/kg	6	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	191	56.9	mg/kg
6	mercury	mg/kg	1.1	0.457	mg/kg
7	nickel	mg/kg	21.5	54.4	mg/kg
8	lead	mg/kg	1696	81.3	mg/kg
9	zinc	mg/kg	1002	237	mg/kg
10	TOC (total organic carbon)	%	2.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	83	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	44.27	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-04-12/07/2024-2.00-2.90m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	39.8	32.3	mg/kg
2	cadmium	mg/kg	6	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	191	80.4	mg/kg
6	mercury	mg/kg	1.1	0.285	mg/kg
7	nickel	mg/kg	21.5	50.3	mg/kg
8	lead	mg/kg	1696	91.4	mg/kg
9	zinc	mg/kg	1002	155	mg/kg
10	TOC (total organic carbon)	%	2.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	83	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	44.27	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-04-12/07/2024-2.00-2.90m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	39.8	41.5	mg/kg
2	cadmium	mg/kg	6	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	191	77.6	mg/kg
6	mercury	mg/kg	1.1	0.302	mg/kg
7	nickel	mg/kg	21.5	65.7	mg/kg
8	lead	mg/kg	1696	109	mg/kg
9	zinc	mg/kg	1002	224	mg/kg
10	TOC (total organic carbon)	%	2.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	83	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	44.27	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-04-12/07/2024-2.00-2.90m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	39.8	85.8	mg/kg
2	cadmium	mg/kg	6	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	191	40	mg/kg
6	mercury	mg/kg	1.1	0.527	mg/kg
7	nickel	mg/kg	21.5	28.2	mg/kg
8	lead	mg/kg	1696	108	mg/kg
9	zinc	mg/kg	1002	168	mg/kg
10	TOC (total organic carbon)	%	2.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	83	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	44.27	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-04-12/07/2024-2.00-2.90m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	39.8	30.9	mg/kg
2	cadmium	mg/kg	6	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	191	83.1	mg/kg
6	mercury	mg/kg	1.1	0.262	mg/kg
7	nickel	mg/kg	21.5	35.7	mg/kg
8	lead	mg/kg	1696	61.1	mg/kg
9	zinc	mg/kg	1002	122	mg/kg
10	TOC (total organic carbon)	%	2.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	83	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	44.27	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-05-12/07/2024-0.00-1.00m

⚠ Sample "TP1-05-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.9	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	12.3	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	8.2	47.8	mg/kg
8	lead	mg/kg	28	48.3	mg/kg
9	zinc	mg/kg	31	137	mg/kg
10	TOC (total organic carbon)	%	34.06	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	400	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.9	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	12.3	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	8.2	61.9	mg/kg
8	lead	mg/kg	28	86.1	mg/kg
9	zinc	mg/kg	31	197	mg/kg
10	TOC (total organic carbon)	%	34.06	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	400	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.9	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	12.3	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	8.2	54.4	mg/kg
8	lead	mg/kg	28	81.3	mg/kg
9	zinc	mg/kg	31	237	mg/kg
10	TOC (total organic carbon)	%	34.06	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	400	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.9	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	12.3	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	8.2	50.3	mg/kg
8	lead	mg/kg	28	91.4	mg/kg
9	zinc	mg/kg	31	155	mg/kg
10	TOC (total organic carbon)	%	34.06	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	400	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.9	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	12.3	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	8.2	65.7	mg/kg
8	lead	mg/kg	28	109	mg/kg
9	zinc	mg/kg	31	224	mg/kg
10	TOC (total organic carbon)	%	34.06	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	400	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.9	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	12.3	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	8.2	28.2	mg/kg
8	lead	mg/kg	28	108	mg/kg
9	zinc	mg/kg	31	168	mg/kg
10	TOC (total organic carbon)	%	34.06	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	400	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.9	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	12.3	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	8.2	35.7	mg/kg
8	lead	mg/kg	28	61.1	mg/kg
9	zinc	mg/kg	31	122	mg/kg
10	TOC (total organic carbon)	%	34.06	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	400	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-05-12/07/2024-1.00-2.00m

⚠ Sample "TP1-05-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5.1	15.6	mg/kg
2	cadmium	mg/kg	0.8	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	84.5	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	51.2	mg/kg
6	mercury	mg/kg	0.3	0.254	mg/kg
7	nickel	mg/kg	13.5	47.8	mg/kg
8	lead	mg/kg	106	48.3	mg/kg
9	zinc	mg/kg	150	137	mg/kg
10	TOC (total organic carbon)	%	0.9	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	102	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5.1	24.9	mg/kg
2	cadmium	mg/kg	0.8	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	84.5	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	63.5	mg/kg
6	mercury	mg/kg	0.3	0.36	mg/kg
7	nickel	mg/kg	13.5	61.9	mg/kg
8	lead	mg/kg	106	86.1	mg/kg
9	zinc	mg/kg	150	197	mg/kg
10	TOC (total organic carbon)	%	0.9	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	102	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5.1	38.1	mg/kg
2	cadmium	mg/kg	0.8	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	84.5	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	56.9	mg/kg
6	mercury	mg/kg	0.3	0.457	mg/kg
7	nickel	mg/kg	13.5	54.4	mg/kg
8	lead	mg/kg	106	81.3	mg/kg
9	zinc	mg/kg	150	237	mg/kg
10	TOC (total organic carbon)	%	0.9	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	102	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5.1	32.3	mg/kg
2	cadmium	mg/kg	0.8	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	84.5	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	80.4	mg/kg
6	mercury	mg/kg	0.3	0.285	mg/kg
7	nickel	mg/kg	13.5	50.3	mg/kg
8	lead	mg/kg	106	91.4	mg/kg
9	zinc	mg/kg	150	155	mg/kg
10	TOC (total organic carbon)	%	0.9	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	102	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5.1	41.5	mg/kg
2	cadmium	mg/kg	0.8	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	84.5	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	77.6	mg/kg
6	mercury	mg/kg	0.3	0.302	mg/kg
7	nickel	mg/kg	13.5	65.7	mg/kg
8	lead	mg/kg	106	109	mg/kg
9	zinc	mg/kg	150	224	mg/kg
10	TOC (total organic carbon)	%	0.9	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	102	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5.1	85.8	mg/kg
2	cadmium	mg/kg	0.8	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	84.5	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	40	mg/kg
6	mercury	mg/kg	0.3	0.527	mg/kg
7	nickel	mg/kg	13.5	28.2	mg/kg
8	lead	mg/kg	106	108	mg/kg
9	zinc	mg/kg	150	168	mg/kg
10	TOC (total organic carbon)	%	0.9	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	102	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5.1	30.9	mg/kg
2	cadmium	mg/kg	0.8	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	84.5	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	83.1	mg/kg
6	mercury	mg/kg	0.3	0.262	mg/kg
7	nickel	mg/kg	13.5	35.7	mg/kg
8	lead	mg/kg	106	61.1	mg/kg
9	zinc	mg/kg	150	122	mg/kg
10	TOC (total organic carbon)	%	0.9	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	102	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-05-12/07/2024-2.00-3.00m

⚠ Sample "TP1-05-12/07/2024-2.00-3.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	7.6	15.6	mg/kg
2	cadmium	mg/kg	0.6	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.1	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	10.2	47.8	mg/kg
8	lead	mg/kg	94	48.3	mg/kg
9	zinc	mg/kg	117	137	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	56	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.03	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-2.00-3.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	7.6	24.9	mg/kg
2	cadmium	mg/kg	0.6	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.1	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	10.2	61.9	mg/kg
8	lead	mg/kg	94	86.1	mg/kg
9	zinc	mg/kg	117	197	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	56	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.03	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-2.00-3.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	7.6	38.1	mg/kg
2	cadmium	mg/kg	0.6	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.1	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	10.2	54.4	mg/kg
8	lead	mg/kg	94	81.3	mg/kg
9	zinc	mg/kg	117	237	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	56	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.03	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-2.00-3.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	7.6	32.3	mg/kg
2	cadmium	mg/kg	0.6	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.1	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	10.2	50.3	mg/kg
8	lead	mg/kg	94	91.4	mg/kg
9	zinc	mg/kg	117	155	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	56	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.03	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-2.00-3.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	7.6	41.5	mg/kg
2	cadmium	mg/kg	0.6	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.1	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	10.2	65.7	mg/kg
8	lead	mg/kg	94	109	mg/kg
9	zinc	mg/kg	117	224	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	56	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.03	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-2.00-3.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	7.6	85.8	mg/kg
2	cadmium	mg/kg	0.6	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.1	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	10.2	28.2	mg/kg
8	lead	mg/kg	94	108	mg/kg
9	zinc	mg/kg	117	168	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	56	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.03	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-2.00-3.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	7.6	30.9	mg/kg
2	cadmium	mg/kg	0.6	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.1	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	10.2	35.7	mg/kg
8	lead	mg/kg	94	61.1	mg/kg
9	zinc	mg/kg	117	122	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	56	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.03	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-05-12/07/2024-3.00-3.70m

⚠ Sample "TP1-05-12/07/2024-3.00-3.70m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5.6	15.6	mg/kg
2	cadmium	mg/kg	0.8	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	83.6	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	35	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	10.3	47.8	mg/kg
8	lead	mg/kg	168	48.3	mg/kg
9	zinc	mg/kg	164	137	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-3.00-3.70m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5.6	24.9	mg/kg
2	cadmium	mg/kg	0.8	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	83.6	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	35	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	10.3	61.9	mg/kg
8	lead	mg/kg	168	86.1	mg/kg
9	zinc	mg/kg	164	197	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-3.00-3.70m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5.6	38.1	mg/kg
2	cadmium	mg/kg	0.8	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	83.6	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	35	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	10.3	54.4	mg/kg
8	lead	mg/kg	168	81.3	mg/kg
9	zinc	mg/kg	164	237	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-3.00-3.70m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5.6	32.3	mg/kg
2	cadmium	mg/kg	0.8	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	83.6	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	35	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	10.3	50.3	mg/kg
8	lead	mg/kg	168	91.4	mg/kg
9	zinc	mg/kg	164	155	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-3.00-3.70m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5.6	41.5	mg/kg
2	cadmium	mg/kg	0.8	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	83.6	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	35	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	10.3	65.7	mg/kg
8	lead	mg/kg	168	109	mg/kg
9	zinc	mg/kg	164	224	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-05-12/07/2024-3.00-3.70m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5.6	85.8	mg/kg
2	cadmium	mg/kg	0.8	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	83.6	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	35	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	10.3	28.2	mg/kg
8	lead	mg/kg	168	108	mg/kg
9	zinc	mg/kg	164	168	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-05-12/07/2024-3.00-3.70m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5.6	30.9	mg/kg
2	cadmium	mg/kg	0.8	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	83.6	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	35	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	10.3	35.7	mg/kg
8	lead	mg/kg	168	61.1	mg/kg
9	zinc	mg/kg	164	122	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-06-12/07/2024-0.00-1.00m

⚠ Sample "TP1-06-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5.1	15.6	mg/kg
2	cadmium	mg/kg	1.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	51.2	mg/kg
6	mercury	mg/kg	0.2	0.254	mg/kg
7	nickel	mg/kg	8.2	47.8	mg/kg
8	lead	mg/kg	149	48.3	mg/kg
9	zinc	mg/kg	182	137	mg/kg
10	TOC (total organic carbon)	%	0.74	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	209	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-06-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5.1	24.9	mg/kg
2	cadmium	mg/kg	1.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	63.5	mg/kg
6	mercury	mg/kg	0.2	0.36	mg/kg
7	nickel	mg/kg	8.2	61.9	mg/kg
8	lead	mg/kg	149	86.1	mg/kg
9	zinc	mg/kg	182	197	mg/kg
10	TOC (total organic carbon)	%	0.74	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	209	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-06-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5.1	38.1	mg/kg
2	cadmium	mg/kg	1.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	56.9	mg/kg
6	mercury	mg/kg	0.2	0.457	mg/kg
7	nickel	mg/kg	8.2	54.4	mg/kg
8	lead	mg/kg	149	81.3	mg/kg
9	zinc	mg/kg	182	237	mg/kg
10	TOC (total organic carbon)	%	0.74	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	209	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-06-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5.1	32.3	mg/kg
2	cadmium	mg/kg	1.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	80.4	mg/kg
6	mercury	mg/kg	0.2	0.285	mg/kg
7	nickel	mg/kg	8.2	50.3	mg/kg
8	lead	mg/kg	149	91.4	mg/kg
9	zinc	mg/kg	182	155	mg/kg
10	TOC (total organic carbon)	%	0.74	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	209	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-06-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5.1	41.5	mg/kg
2	cadmium	mg/kg	1.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	77.6	mg/kg
6	mercury	mg/kg	0.2	0.302	mg/kg
7	nickel	mg/kg	8.2	65.7	mg/kg
8	lead	mg/kg	149	109	mg/kg
9	zinc	mg/kg	182	224	mg/kg
10	TOC (total organic carbon)	%	0.74	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	209	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-06-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5.1	85.8	mg/kg
2	cadmium	mg/kg	1.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	40	mg/kg
6	mercury	mg/kg	0.2	0.527	mg/kg
7	nickel	mg/kg	8.2	28.2	mg/kg
8	lead	mg/kg	149	108	mg/kg
9	zinc	mg/kg	182	168	mg/kg
10	TOC (total organic carbon)	%	0.74	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	209	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-06-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5.1	30.9	mg/kg
2	cadmium	mg/kg	1.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	83.1	mg/kg
6	mercury	mg/kg	0.2	0.262	mg/kg
7	nickel	mg/kg	8.2	35.7	mg/kg
8	lead	mg/kg	149	61.1	mg/kg
9	zinc	mg/kg	182	122	mg/kg
10	TOC (total organic carbon)	%	0.74	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	209	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	8.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-06-12/07/2024-1.00-2.00m

Sample "TP1-06-12/07/2024-1.00-2.00m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	1.1	15.6	mg/kg
2	cadmium	mg/kg	0.1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	6.4	47.8	mg/kg
8	lead	mg/kg	11	48.3	mg/kg
9	zinc	mg/kg	42	137	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-06-12/07/2024-1.00-2.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	1.1	24.9	mg/kg
2	cadmium	mg/kg	0.1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	6.4	61.9	mg/kg
8	lead	mg/kg	11	86.1	mg/kg
9	zinc	mg/kg	42	197	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "TP1-06-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	1.1	38.1	mg/kg
2	cadmium	mg/kg	0.1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	6.4	54.4	mg/kg
8	lead	mg/kg	11	81.3	mg/kg
9	zinc	mg/kg	42	237	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-06-12/07/2024-1.00-2.00m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	1.1	32.3	mg/kg
2	cadmium	mg/kg	0.1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	6.4	50.3	mg/kg
8	lead	mg/kg	11	91.4	mg/kg
9	zinc	mg/kg	42	155	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "TP1-06-12/07/2024-1.00-2.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	1.1	41.5	mg/kg
2	cadmium	mg/kg	0.1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	6.4	65.7	mg/kg
8	lead	mg/kg	11	109	mg/kg
9	zinc	mg/kg	42	224	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-06-12/07/2024-1.00-2.00m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	1.1	85.8	mg/kg
2	cadmium	mg/kg	0.1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	6.4	28.2	mg/kg
8	lead	mg/kg	11	108	mg/kg
9	zinc	mg/kg	42	168	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "TP1-06-12/07/2024-1.00-2.00m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	1.1	30.9	mg/kg
2	cadmium	mg/kg	0.1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	6.4	35.7	mg/kg
8	lead	mg/kg	11	61.1	mg/kg
9	zinc	mg/kg	42	122	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-06-12/07/2024-2.00-3.00m

⚠ Sample "TP1-06-12/07/2024-2.00-3.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.5	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	59.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	6.6	47.8	mg/kg
8	lead	mg/kg	52	48.3	mg/kg
9	zinc	mg/kg	81	137	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-06-12/07/2024-2.00-3.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.5	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	59.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	6.6	61.9	mg/kg
8	lead	mg/kg	52	86.1	mg/kg
9	zinc	mg/kg	81	197	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-06-12/07/2024-2.00-3.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.5	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	59.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	6.6	54.4	mg/kg
8	lead	mg/kg	52	81.3	mg/kg
9	zinc	mg/kg	81	237	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-06-12/07/2024-2.00-3.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.5	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	59.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	6.6	50.3	mg/kg
8	lead	mg/kg	52	91.4	mg/kg
9	zinc	mg/kg	81	155	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-06-12/07/2024-2.00-3.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.5	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	59.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	6.6	65.7	mg/kg
8	lead	mg/kg	52	109	mg/kg
9	zinc	mg/kg	81	224	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-06-12/07/2024-2.00-3.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.5	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	59.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	6.6	28.2	mg/kg
8	lead	mg/kg	52	108	mg/kg
9	zinc	mg/kg	81	168	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-06-12/07/2024-2.00-3.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.5	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	59.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	6.6	35.7	mg/kg
8	lead	mg/kg	52	61.1	mg/kg
9	zinc	mg/kg	81	122	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	11.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-07-12/07/2024-0.00-1.00m

⚠ Sample "TP1-07-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.7	15.6	mg/kg
2	cadmium	mg/kg	1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	9.8	47.8	mg/kg
8	lead	mg/kg	32	48.3	mg/kg
9	zinc	mg/kg	2049	137	mg/kg
10	TOC (total organic carbon)	%	0.93	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.156	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	590	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.37	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-07-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.7	24.9	mg/kg
2	cadmium	mg/kg	1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	9.8	61.9	mg/kg
8	lead	mg/kg	32	86.1	mg/kg
9	zinc	mg/kg	2049	197	mg/kg
10	TOC (total organic carbon)	%	0.93	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.156	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	590	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.37	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-07-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.7	38.1	mg/kg
2	cadmium	mg/kg	1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	9.8	54.4	mg/kg
8	lead	mg/kg	32	81.3	mg/kg
9	zinc	mg/kg	2049	237	mg/kg
10	TOC (total organic carbon)	%	0.93	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.156	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	590	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.37	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-07-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.7	32.3	mg/kg
2	cadmium	mg/kg	1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	9.8	50.3	mg/kg
8	lead	mg/kg	32	91.4	mg/kg
9	zinc	mg/kg	2049	155	mg/kg
10	TOC (total organic carbon)	%	0.93	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.156	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	590	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.37	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-07-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.7	41.5	mg/kg
2	cadmium	mg/kg	1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	9.8	65.7	mg/kg
8	lead	mg/kg	32	109	mg/kg
9	zinc	mg/kg	2049	224	mg/kg
10	TOC (total organic carbon)	%	0.93	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.156	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	590	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.37	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-07-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.7	85.8	mg/kg
2	cadmium	mg/kg	1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	9.8	28.2	mg/kg
8	lead	mg/kg	32	108	mg/kg
9	zinc	mg/kg	2049	168	mg/kg
10	TOC (total organic carbon)	%	0.93	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.156	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	590	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.37	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-07-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.7	30.9	mg/kg
2	cadmium	mg/kg	1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	29.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	9.8	35.7	mg/kg
8	lead	mg/kg	32	61.1	mg/kg
9	zinc	mg/kg	2049	122	mg/kg
10	TOC (total organic carbon)	%	0.93	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.156	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	590	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.37	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-07-12/07/2024-1.00-2.00m

⚠ Sample "TP1-07-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.8	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	8.5	47.8	mg/kg
8	lead	mg/kg	5	48.3	mg/kg
9	zinc	mg/kg	156	137	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.066	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	37	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-07-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.8	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	8.5	61.9	mg/kg
8	lead	mg/kg	5	86.1	mg/kg
9	zinc	mg/kg	156	197	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.066	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	37	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-07-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.8	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	8.5	54.4	mg/kg
8	lead	mg/kg	5	81.3	mg/kg
9	zinc	mg/kg	156	237	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.066	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	37	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-07-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.8	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	8.5	50.3	mg/kg
8	lead	mg/kg	5	91.4	mg/kg
9	zinc	mg/kg	156	155	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.066	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	37	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-07-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.8	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	8.5	65.7	mg/kg
8	lead	mg/kg	5	109	mg/kg
9	zinc	mg/kg	156	224	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.066	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	37	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-07-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.8	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	8.5	28.2	mg/kg
8	lead	mg/kg	5	108	mg/kg
9	zinc	mg/kg	156	168	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.066	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	37	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-07-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.8	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	14.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	8.5	35.7	mg/kg
8	lead	mg/kg	5	61.1	mg/kg
9	zinc	mg/kg	156	122	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.066	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	37	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-07-12/07/2024-2.00-2.70m

⚠ Sample "TP1-07-12/07/2024-2.00-2.70m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.9	15.6	mg/kg
2	cadmium	mg/kg	2.8	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	51.2	mg/kg
6	mercury	mg/kg	0.4	0.254	mg/kg
7	nickel	mg/kg	9.9	47.8	mg/kg
8	lead	mg/kg	29	48.3	mg/kg
9	zinc	mg/kg	55	137	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

✓ Sample "TP1-07-12/07/2024-2.00-2.70m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.9	24.9	mg/kg
2	cadmium	mg/kg	2.8	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	63.5	mg/kg
6	mercury	mg/kg	0.4	0.36	mg/kg
7	nickel	mg/kg	9.9	61.9	mg/kg
8	lead	mg/kg	29	86.1	mg/kg
9	zinc	mg/kg	55	197	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

⚠ Sample "TP1-07-12/07/2024-2.00-2.70m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.9	38.1	mg/kg
2	cadmium	mg/kg	2.8	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	56.9	mg/kg
6	mercury	mg/kg	0.4	0.457	mg/kg
7	nickel	mg/kg	9.9	54.4	mg/kg
8	lead	mg/kg	29	81.3	mg/kg
9	zinc	mg/kg	55	237	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-07-12/07/2024-2.00-2.70m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.9	32.3	mg/kg
2	cadmium	mg/kg	2.8	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	80.4	mg/kg
6	mercury	mg/kg	0.4	0.285	mg/kg
7	nickel	mg/kg	9.9	50.3	mg/kg
8	lead	mg/kg	29	91.4	mg/kg
9	zinc	mg/kg	55	155	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "TP1-07-12/07/2024-2.00-2.70m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.9	41.5	mg/kg
2	cadmium	mg/kg	2.8	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	77.6	mg/kg
6	mercury	mg/kg	0.4	0.302	mg/kg
7	nickel	mg/kg	9.9	65.7	mg/kg
8	lead	mg/kg	29	109	mg/kg
9	zinc	mg/kg	55	224	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-07-12/07/2024-2.00-2.70m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.9	85.8	mg/kg
2	cadmium	mg/kg	2.8	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	40	mg/kg
6	mercury	mg/kg	0.4	0.527	mg/kg
7	nickel	mg/kg	9.9	28.2	mg/kg
8	lead	mg/kg	29	108	mg/kg
9	zinc	mg/kg	55	168	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

⚠ Sample "TP1-07-12/07/2024-2.00-2.70m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.9	30.9	mg/kg
2	cadmium	mg/kg	2.8	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	83.1	mg/kg
6	mercury	mg/kg	0.4	0.262	mg/kg
7	nickel	mg/kg	9.9	35.7	mg/kg
8	lead	mg/kg	29	61.1	mg/kg
9	zinc	mg/kg	55	122	mg/kg
10	TOC (total organic carbon)	%	0.25	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-08-12/07/2024-0.00-1.00m

⚠ Sample "TP1-08-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.6	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.7	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	13.3	47.8	mg/kg
8	lead	mg/kg	19	48.3	mg/kg
9	zinc	mg/kg	41	137	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.26	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.6	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.7	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	13.3	61.9	mg/kg
8	lead	mg/kg	19	86.1	mg/kg
9	zinc	mg/kg	41	197	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.26	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.6	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.7	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	13.3	54.4	mg/kg
8	lead	mg/kg	19	81.3	mg/kg
9	zinc	mg/kg	41	237	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.26	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.6	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.7	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	13.3	50.3	mg/kg
8	lead	mg/kg	19	91.4	mg/kg
9	zinc	mg/kg	41	155	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.26	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.6	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.7	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	13.3	65.7	mg/kg
8	lead	mg/kg	19	109	mg/kg
9	zinc	mg/kg	41	224	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.26	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.6	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.7	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	13.3	28.2	mg/kg
8	lead	mg/kg	19	108	mg/kg
9	zinc	mg/kg	41	168	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.26	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.6	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.7	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	13.3	35.7	mg/kg
8	lead	mg/kg	19	61.1	mg/kg
9	zinc	mg/kg	41	122	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.26	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-08-12/07/2024-1.00-2.00m

⚠ Sample "TP1-08-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	1.7	15.6	mg/kg
2	cadmium	mg/kg	<0.1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	202.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	44.9	47.8	mg/kg
8	lead	mg/kg	24	48.3	mg/kg
9	zinc	mg/kg	87	137	mg/kg
10	TOC (total organic carbon)	%	0.12	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.96	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	1.7	24.9	mg/kg
2	cadmium	mg/kg	<0.1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	202.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	44.9	61.9	mg/kg
8	lead	mg/kg	24	86.1	mg/kg
9	zinc	mg/kg	87	197	mg/kg
10	TOC (total organic carbon)	%	0.12	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.96	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	1.7	38.1	mg/kg
2	cadmium	mg/kg	<0.1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	202.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	44.9	54.4	mg/kg
8	lead	mg/kg	24	81.3	mg/kg
9	zinc	mg/kg	87	237	mg/kg
10	TOC (total organic carbon)	%	0.12	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.96	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	1.7	32.3	mg/kg
2	cadmium	mg/kg	<0.1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	202.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	44.9	50.3	mg/kg
8	lead	mg/kg	24	91.4	mg/kg
9	zinc	mg/kg	87	155	mg/kg
10	TOC (total organic carbon)	%	0.12	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.96	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	1.7	41.5	mg/kg
2	cadmium	mg/kg	<0.1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	202.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	44.9	65.7	mg/kg
8	lead	mg/kg	24	109	mg/kg
9	zinc	mg/kg	87	224	mg/kg
10	TOC (total organic carbon)	%	0.12	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.96	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	1.7	85.8	mg/kg
2	cadmium	mg/kg	<0.1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	202.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	44.9	28.2	mg/kg
8	lead	mg/kg	24	108	mg/kg
9	zinc	mg/kg	87	168	mg/kg
10	TOC (total organic carbon)	%	0.12	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.96	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	1.7	30.9	mg/kg
2	cadmium	mg/kg	<0.1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	202.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	44.9	35.7	mg/kg
8	lead	mg/kg	24	61.1	mg/kg
9	zinc	mg/kg	87	122	mg/kg
10	TOC (total organic carbon)	%	0.12	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.96	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-08-12/07/2024-2.00-3.00m

⚠ Sample "TP1-08-12/07/2024-2.00-3.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.7	15.6	mg/kg
2	cadmium	mg/kg	<0.1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	103.1	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	13	47.8	mg/kg
8	lead	mg/kg	35	48.3	mg/kg
9	zinc	mg/kg	50	137	mg/kg
10	TOC (total organic carbon)	%	1.05	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-2.00-3.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.7	24.9	mg/kg
2	cadmium	mg/kg	<0.1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	103.1	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	13	61.9	mg/kg
8	lead	mg/kg	35	86.1	mg/kg
9	zinc	mg/kg	50	197	mg/kg
10	TOC (total organic carbon)	%	1.05	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-2.00-3.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.7	38.1	mg/kg
2	cadmium	mg/kg	<0.1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	103.1	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	13	54.4	mg/kg
8	lead	mg/kg	35	81.3	mg/kg
9	zinc	mg/kg	50	237	mg/kg
10	TOC (total organic carbon)	%	1.05	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-2.00-3.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.7	32.3	mg/kg
2	cadmium	mg/kg	<0.1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	103.1	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	13	50.3	mg/kg
8	lead	mg/kg	35	91.4	mg/kg
9	zinc	mg/kg	50	155	mg/kg
10	TOC (total organic carbon)	%	1.05	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "TP1-08-12/07/2024-2.00-3.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.7	41.5	mg/kg
2	cadmium	mg/kg	<0.1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	103.1	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	13	65.7	mg/kg
8	lead	mg/kg	35	109	mg/kg
9	zinc	mg/kg	50	224	mg/kg
10	TOC (total organic carbon)	%	1.05	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-08-12/07/2024-2.00-3.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.7	85.8	mg/kg
2	cadmium	mg/kg	<0.1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	103.1	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	13	28.2	mg/kg
8	lead	mg/kg	35	108	mg/kg
9	zinc	mg/kg	50	168	mg/kg
10	TOC (total organic carbon)	%	1.05	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-2.00-3.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.7	30.9	mg/kg
2	cadmium	mg/kg	<0.1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	103.1	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	13	35.7	mg/kg
8	lead	mg/kg	35	61.1	mg/kg
9	zinc	mg/kg	50	122	mg/kg
10	TOC (total organic carbon)	%	1.05	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-08-12/07/2024-3.00-3.60m

⚠ Sample "TP1-08-12/07/2024-3.00-3.60m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.1	15.6	mg/kg
2	cadmium	mg/kg	<0.1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	128	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	38.6	47.8	mg/kg
8	lead	mg/kg	33	48.3	mg/kg
9	zinc	mg/kg	72	137	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-3.00-3.60m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.1	24.9	mg/kg
2	cadmium	mg/kg	<0.1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	128	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	38.6	61.9	mg/kg
8	lead	mg/kg	33	86.1	mg/kg
9	zinc	mg/kg	72	197	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-3.00-3.60m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.1	38.1	mg/kg
2	cadmium	mg/kg	<0.1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	128	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	38.6	54.4	mg/kg
8	lead	mg/kg	33	81.3	mg/kg
9	zinc	mg/kg	72	237	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-3.00-3.60m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.1	32.3	mg/kg
2	cadmium	mg/kg	<0.1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	128	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	38.6	50.3	mg/kg
8	lead	mg/kg	33	91.4	mg/kg
9	zinc	mg/kg	72	155	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-3.00-3.60m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.1	41.5	mg/kg
2	cadmium	mg/kg	<0.1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	128	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	38.6	65.7	mg/kg
8	lead	mg/kg	33	109	mg/kg
9	zinc	mg/kg	72	224	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-08-12/07/2024-3.00-3.60m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.1	85.8	mg/kg
2	cadmium	mg/kg	<0.1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	128	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	38.6	28.2	mg/kg
8	lead	mg/kg	33	108	mg/kg
9	zinc	mg/kg	72	168	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-08-12/07/2024-3.00-3.60m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.1	30.9	mg/kg
2	cadmium	mg/kg	<0.1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	128	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	38.6	35.7	mg/kg
8	lead	mg/kg	33	61.1	mg/kg
9	zinc	mg/kg	72	122	mg/kg
10	TOC (total organic carbon)	%	0.33	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-09-12/07/2024-0.00-1.00m

⚠ Sample "TP1-09-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	11.7	15.6	mg/kg
2	cadmium	mg/kg	2.7	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	46	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	63	51.2	mg/kg
6	mercury	mg/kg	0.3	0.254	mg/kg
7	nickel	mg/kg	8.2	47.8	mg/kg
8	lead	mg/kg	440	48.3	mg/kg
9	zinc	mg/kg	465	137	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	86	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-09-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	11.7	24.9	mg/kg
2	cadmium	mg/kg	2.7	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	46	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	63	63.5	mg/kg
6	mercury	mg/kg	0.3	0.36	mg/kg
7	nickel	mg/kg	8.2	61.9	mg/kg
8	lead	mg/kg	440	86.1	mg/kg
9	zinc	mg/kg	465	197	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	86	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-09-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	11.7	38.1	mg/kg
2	cadmium	mg/kg	2.7	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	46	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	63	56.9	mg/kg
6	mercury	mg/kg	0.3	0.457	mg/kg
7	nickel	mg/kg	8.2	54.4	mg/kg
8	lead	mg/kg	440	81.3	mg/kg
9	zinc	mg/kg	465	237	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	86	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-09-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	11.7	32.3	mg/kg
2	cadmium	mg/kg	2.7	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	46	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	63	80.4	mg/kg
6	mercury	mg/kg	0.3	0.285	mg/kg
7	nickel	mg/kg	8.2	50.3	mg/kg
8	lead	mg/kg	440	91.4	mg/kg
9	zinc	mg/kg	465	155	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	86	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-09-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	11.7	41.5	mg/kg
2	cadmium	mg/kg	2.7	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	46	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	63	77.6	mg/kg
6	mercury	mg/kg	0.3	0.302	mg/kg
7	nickel	mg/kg	8.2	65.7	mg/kg
8	lead	mg/kg	440	109	mg/kg
9	zinc	mg/kg	465	224	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	86	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-09-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	11.7	85.8	mg/kg
2	cadmium	mg/kg	2.7	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	46	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	63	40	mg/kg
6	mercury	mg/kg	0.3	0.527	mg/kg
7	nickel	mg/kg	8.2	28.2	mg/kg
8	lead	mg/kg	440	108	mg/kg
9	zinc	mg/kg	465	168	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	86	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-09-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	11.7	30.9	mg/kg
2	cadmium	mg/kg	2.7	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	46	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	63	83.1	mg/kg
6	mercury	mg/kg	0.3	0.262	mg/kg
7	nickel	mg/kg	8.2	35.7	mg/kg
8	lead	mg/kg	440	61.1	mg/kg
9	zinc	mg/kg	465	122	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	86	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.79	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-09-12/07/2024-1.00-2.00m

⚠ Sample "TP1-09-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	17.7	15.6	mg/kg
2	cadmium	mg/kg	0.7	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	123.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	43	51.2	mg/kg
6	mercury	mg/kg	0.4	0.254	mg/kg
7	nickel	mg/kg	25.9	47.8	mg/kg
8	lead	mg/kg	173	48.3	mg/kg
9	zinc	mg/kg	203	137	mg/kg
10	TOC (total organic carbon)	%	0.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	70	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	17.72	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-09-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	17.7	24.9	mg/kg
2	cadmium	mg/kg	0.7	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	123.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	43	63.5	mg/kg
6	mercury	mg/kg	0.4	0.36	mg/kg
7	nickel	mg/kg	25.9	61.9	mg/kg
8	lead	mg/kg	173	86.1	mg/kg
9	zinc	mg/kg	203	197	mg/kg
10	TOC (total organic carbon)	%	0.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	70	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	17.72	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-09-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	17.7	38.1	mg/kg
2	cadmium	mg/kg	0.7	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	123.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	43	56.9	mg/kg
6	mercury	mg/kg	0.4	0.457	mg/kg
7	nickel	mg/kg	25.9	54.4	mg/kg
8	lead	mg/kg	173	81.3	mg/kg
9	zinc	mg/kg	203	237	mg/kg
10	TOC (total organic carbon)	%	0.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	70	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	17.72	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-09-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	17.7	32.3	mg/kg
2	cadmium	mg/kg	0.7	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	123.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	43	80.4	mg/kg
6	mercury	mg/kg	0.4	0.285	mg/kg
7	nickel	mg/kg	25.9	50.3	mg/kg
8	lead	mg/kg	173	91.4	mg/kg
9	zinc	mg/kg	203	155	mg/kg
10	TOC (total organic carbon)	%	0.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	70	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	17.72	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-09-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	17.7	41.5	mg/kg
2	cadmium	mg/kg	0.7	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	123.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	43	77.6	mg/kg
6	mercury	mg/kg	0.4	0.302	mg/kg
7	nickel	mg/kg	25.9	65.7	mg/kg
8	lead	mg/kg	173	109	mg/kg
9	zinc	mg/kg	203	224	mg/kg
10	TOC (total organic carbon)	%	0.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	70	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	17.72	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-09-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	17.7	85.8	mg/kg
2	cadmium	mg/kg	0.7	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	123.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	43	40	mg/kg
6	mercury	mg/kg	0.4	0.527	mg/kg
7	nickel	mg/kg	25.9	28.2	mg/kg
8	lead	mg/kg	173	108	mg/kg
9	zinc	mg/kg	203	168	mg/kg
10	TOC (total organic carbon)	%	0.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	70	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	17.72	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-09-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	17.7	30.9	mg/kg
2	cadmium	mg/kg	0.7	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	123.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	43	83.1	mg/kg
6	mercury	mg/kg	0.4	0.262	mg/kg
7	nickel	mg/kg	25.9	35.7	mg/kg
8	lead	mg/kg	173	61.1	mg/kg
9	zinc	mg/kg	203	122	mg/kg
10	TOC (total organic carbon)	%	0.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	70	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	17.72	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-09-12/07/2024-2.00-3.00m

⚠ Sample "TP1-09-12/07/2024-2.00-3.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.9	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	105.7	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	51.2	mg/kg
6	mercury	mg/kg	0.1	0.254	mg/kg
7	nickel	mg/kg	20.3	47.8	mg/kg
8	lead	mg/kg	57	48.3	mg/kg
9	zinc	mg/kg	107	137	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-09-12/07/2024-2.00-3.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.9	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	105.7	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	63.5	mg/kg
6	mercury	mg/kg	0.1	0.36	mg/kg
7	nickel	mg/kg	20.3	61.9	mg/kg
8	lead	mg/kg	57	86.1	mg/kg
9	zinc	mg/kg	107	197	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-09-12/07/2024-2.00-3.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.9	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	105.7	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	56.9	mg/kg
6	mercury	mg/kg	0.1	0.457	mg/kg
7	nickel	mg/kg	20.3	54.4	mg/kg
8	lead	mg/kg	57	81.3	mg/kg
9	zinc	mg/kg	107	237	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-09-12/07/2024-2.00-3.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.9	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	105.7	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	80.4	mg/kg
6	mercury	mg/kg	0.1	0.285	mg/kg
7	nickel	mg/kg	20.3	50.3	mg/kg
8	lead	mg/kg	57	91.4	mg/kg
9	zinc	mg/kg	107	155	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-09-12/07/2024-2.00-3.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.9	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	105.7	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	77.6	mg/kg
6	mercury	mg/kg	0.1	0.302	mg/kg
7	nickel	mg/kg	20.3	65.7	mg/kg
8	lead	mg/kg	57	109	mg/kg
9	zinc	mg/kg	107	224	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-09-12/07/2024-2.00-3.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.9	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	105.7	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	40	mg/kg
6	mercury	mg/kg	0.1	0.527	mg/kg
7	nickel	mg/kg	20.3	28.2	mg/kg
8	lead	mg/kg	57	108	mg/kg
9	zinc	mg/kg	107	168	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-09-12/07/2024-2.00-3.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.9	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	105.7	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	30	83.1	mg/kg
6	mercury	mg/kg	0.1	0.262	mg/kg
7	nickel	mg/kg	20.3	35.7	mg/kg
8	lead	mg/kg	57	61.1	mg/kg
9	zinc	mg/kg	107	122	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.69	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-10-12/07/2024-0.00-1.00m

⚠ Sample "TP1-10-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	35	15.6	mg/kg
2	cadmium	mg/kg	13.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	61	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	307	51.2	mg/kg
6	mercury	mg/kg	0.9	0.254	mg/kg
7	nickel	mg/kg	15.3	47.8	mg/kg
8	lead	mg/kg	2205	48.3	mg/kg
9	zinc	mg/kg	1627	137	mg/kg
10	TOC (total organic carbon)	%	9.58	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	523	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.66	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	35	24.9	mg/kg
2	cadmium	mg/kg	13.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	61	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	307	63.5	mg/kg
6	mercury	mg/kg	0.9	0.36	mg/kg
7	nickel	mg/kg	15.3	61.9	mg/kg
8	lead	mg/kg	2205	86.1	mg/kg
9	zinc	mg/kg	1627	197	mg/kg
10	TOC (total organic carbon)	%	9.58	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	523	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.66	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "TP1-10-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	35	38.1	mg/kg
2	cadmium	mg/kg	13.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	61	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	307	56.9	mg/kg
6	mercury	mg/kg	0.9	0.457	mg/kg
7	nickel	mg/kg	15.3	54.4	mg/kg
8	lead	mg/kg	2205	81.3	mg/kg
9	zinc	mg/kg	1627	237	mg/kg
10	TOC (total organic carbon)	%	9.58	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	523	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.66	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-10-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	35	32.3	mg/kg
2	cadmium	mg/kg	13.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	61	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	307	80.4	mg/kg
6	mercury	mg/kg	0.9	0.285	mg/kg
7	nickel	mg/kg	15.3	50.3	mg/kg
8	lead	mg/kg	2205	91.4	mg/kg
9	zinc	mg/kg	1627	155	mg/kg
10	TOC (total organic carbon)	%	9.58	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	523	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.66	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	35	41.5	mg/kg
2	cadmium	mg/kg	13.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	61	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	307	77.6	mg/kg
6	mercury	mg/kg	0.9	0.302	mg/kg
7	nickel	mg/kg	15.3	65.7	mg/kg
8	lead	mg/kg	2205	109	mg/kg
9	zinc	mg/kg	1627	224	mg/kg
10	TOC (total organic carbon)	%	9.58	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	523	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.66	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	35	85.8	mg/kg
2	cadmium	mg/kg	13.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	61	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	307	40	mg/kg
6	mercury	mg/kg	0.9	0.527	mg/kg
7	nickel	mg/kg	15.3	28.2	mg/kg
8	lead	mg/kg	2205	108	mg/kg
9	zinc	mg/kg	1627	168	mg/kg
10	TOC (total organic carbon)	%	9.58	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	523	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.66	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	35	30.9	mg/kg
2	cadmium	mg/kg	13.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	61	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	307	83.1	mg/kg
6	mercury	mg/kg	0.9	0.262	mg/kg
7	nickel	mg/kg	15.3	35.7	mg/kg
8	lead	mg/kg	2205	61.1	mg/kg
9	zinc	mg/kg	1627	122	mg/kg
10	TOC (total organic carbon)	%	9.58	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	523	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	14.66	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-10-12/07/2024-1.00-2.00m

⚠ Sample "TP1-10-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	11.4	15.6	mg/kg
2	cadmium	mg/kg	0.9	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	43.4	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	84	51.2	mg/kg
6	mercury	mg/kg	0.3	0.254	mg/kg
7	nickel	mg/kg	10.9	47.8	mg/kg
8	lead	mg/kg	429	48.3	mg/kg
9	zinc	mg/kg	259	137	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	135	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	22.65	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	11.4	24.9	mg/kg
2	cadmium	mg/kg	0.9	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	43.4	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	84	63.5	mg/kg
6	mercury	mg/kg	0.3	0.36	mg/kg
7	nickel	mg/kg	10.9	61.9	mg/kg
8	lead	mg/kg	429	86.1	mg/kg
9	zinc	mg/kg	259	197	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	135	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	22.65	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	11.4	38.1	mg/kg
2	cadmium	mg/kg	0.9	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	43.4	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	84	56.9	mg/kg
6	mercury	mg/kg	0.3	0.457	mg/kg
7	nickel	mg/kg	10.9	54.4	mg/kg
8	lead	mg/kg	429	81.3	mg/kg
9	zinc	mg/kg	259	237	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	135	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	22.65	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	11.4	32.3	mg/kg
2	cadmium	mg/kg	0.9	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	43.4	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	84	80.4	mg/kg
6	mercury	mg/kg	0.3	0.285	mg/kg
7	nickel	mg/kg	10.9	50.3	mg/kg
8	lead	mg/kg	429	91.4	mg/kg
9	zinc	mg/kg	259	155	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	135	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	22.65	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	11.4	41.5	mg/kg
2	cadmium	mg/kg	0.9	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	43.4	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	84	77.6	mg/kg
6	mercury	mg/kg	0.3	0.302	mg/kg
7	nickel	mg/kg	10.9	65.7	mg/kg
8	lead	mg/kg	429	109	mg/kg
9	zinc	mg/kg	259	224	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	135	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	22.65	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	11.4	85.8	mg/kg
2	cadmium	mg/kg	0.9	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	43.4	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	84	40	mg/kg
6	mercury	mg/kg	0.3	0.527	mg/kg
7	nickel	mg/kg	10.9	28.2	mg/kg
8	lead	mg/kg	429	108	mg/kg
9	zinc	mg/kg	259	168	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	135	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	22.65	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	11.4	30.9	mg/kg
2	cadmium	mg/kg	0.9	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	43.4	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	84	83.1	mg/kg
6	mercury	mg/kg	0.3	0.262	mg/kg
7	nickel	mg/kg	10.9	35.7	mg/kg
8	lead	mg/kg	429	61.1	mg/kg
9	zinc	mg/kg	259	122	mg/kg
10	TOC (total organic carbon)	%	0.6	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	135	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	22.65	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-10-12/07/2024-2.00-3.00m

⚠ Sample "TP1-10-12/07/2024-2.00-3.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	28.9	15.6	mg/kg
2	cadmium	mg/kg	1.1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.5	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	81	51.2	mg/kg
6	mercury	mg/kg	0.4	0.254	mg/kg
7	nickel	mg/kg	13.6	47.8	mg/kg
8	lead	mg/kg	253	48.3	mg/kg
9	zinc	mg/kg	218	137	mg/kg
10	TOC (total organic carbon)	%	6.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.026	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	137	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	51.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-2.00-3.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	28.9	24.9	mg/kg
2	cadmium	mg/kg	1.1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.5	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	81	63.5	mg/kg
6	mercury	mg/kg	0.4	0.36	mg/kg
7	nickel	mg/kg	13.6	61.9	mg/kg
8	lead	mg/kg	253	86.1	mg/kg
9	zinc	mg/kg	218	197	mg/kg
10	TOC (total organic carbon)	%	6.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.026	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	137	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	51.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-2.00-3.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	28.9	38.1	mg/kg
2	cadmium	mg/kg	1.1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.5	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	81	56.9	mg/kg
6	mercury	mg/kg	0.4	0.457	mg/kg
7	nickel	mg/kg	13.6	54.4	mg/kg
8	lead	mg/kg	253	81.3	mg/kg
9	zinc	mg/kg	218	237	mg/kg
10	TOC (total organic carbon)	%	6.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.026	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	137	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	51.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-2.00-3.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	28.9	32.3	mg/kg
2	cadmium	mg/kg	1.1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.5	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	81	80.4	mg/kg
6	mercury	mg/kg	0.4	0.285	mg/kg
7	nickel	mg/kg	13.6	50.3	mg/kg
8	lead	mg/kg	253	91.4	mg/kg
9	zinc	mg/kg	218	155	mg/kg
10	TOC (total organic carbon)	%	6.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.026	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	137	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	51.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-2.00-3.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	28.9	41.5	mg/kg
2	cadmium	mg/kg	1.1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.5	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	81	77.6	mg/kg
6	mercury	mg/kg	0.4	0.302	mg/kg
7	nickel	mg/kg	13.6	65.7	mg/kg
8	lead	mg/kg	253	109	mg/kg
9	zinc	mg/kg	218	224	mg/kg
10	TOC (total organic carbon)	%	6.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.026	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	137	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	51.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-2.00-3.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	28.9	85.8	mg/kg
2	cadmium	mg/kg	1.1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.5	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	81	40	mg/kg
6	mercury	mg/kg	0.4	0.527	mg/kg
7	nickel	mg/kg	13.6	28.2	mg/kg
8	lead	mg/kg	253	108	mg/kg
9	zinc	mg/kg	218	168	mg/kg
10	TOC (total organic carbon)	%	6.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.026	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	137	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	51.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-2.00-3.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	28.9	30.9	mg/kg
2	cadmium	mg/kg	1.1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.5	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	81	83.1	mg/kg
6	mercury	mg/kg	0.4	0.262	mg/kg
7	nickel	mg/kg	13.6	35.7	mg/kg
8	lead	mg/kg	253	61.1	mg/kg
9	zinc	mg/kg	218	122	mg/kg
10	TOC (total organic carbon)	%	6.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	0.026	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	137	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	51.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-10-12/07/2024-3.00-4.00m

⚠ Sample "TP1-10-12/07/2024-3.00-4.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	9.2	15.6	mg/kg
2	cadmium	mg/kg	0.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.3	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	100	51.2	mg/kg
6	mercury	mg/kg	0.1	0.254	mg/kg
7	nickel	mg/kg	43.7	47.8	mg/kg
8	lead	mg/kg	192	48.3	mg/kg
9	zinc	mg/kg	157	137	mg/kg
10	TOC (total organic carbon)	%	3.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	136	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	115.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-3.00-4.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	9.2	24.9	mg/kg
2	cadmium	mg/kg	0.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.3	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	100	63.5	mg/kg
6	mercury	mg/kg	0.1	0.36	mg/kg
7	nickel	mg/kg	43.7	61.9	mg/kg
8	lead	mg/kg	192	86.1	mg/kg
9	zinc	mg/kg	157	197	mg/kg
10	TOC (total organic carbon)	%	3.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	136	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	115.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-3.00-4.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	9.2	38.1	mg/kg
2	cadmium	mg/kg	0.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.3	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	100	56.9	mg/kg
6	mercury	mg/kg	0.1	0.457	mg/kg
7	nickel	mg/kg	43.7	54.4	mg/kg
8	lead	mg/kg	192	81.3	mg/kg
9	zinc	mg/kg	157	237	mg/kg
10	TOC (total organic carbon)	%	3.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	136	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	115.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-3.00-4.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	9.2	32.3	mg/kg
2	cadmium	mg/kg	0.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.3	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	100	80.4	mg/kg
6	mercury	mg/kg	0.1	0.285	mg/kg
7	nickel	mg/kg	43.7	50.3	mg/kg
8	lead	mg/kg	192	91.4	mg/kg
9	zinc	mg/kg	157	155	mg/kg
10	TOC (total organic carbon)	%	3.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	136	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	115.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-3.00-4.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	9.2	41.5	mg/kg
2	cadmium	mg/kg	0.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.3	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	100	77.6	mg/kg
6	mercury	mg/kg	0.1	0.302	mg/kg
7	nickel	mg/kg	43.7	65.7	mg/kg
8	lead	mg/kg	192	109	mg/kg
9	zinc	mg/kg	157	224	mg/kg
10	TOC (total organic carbon)	%	3.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	136	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	115.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-10-12/07/2024-3.00-4.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	9.2	85.8	mg/kg
2	cadmium	mg/kg	0.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.3	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	100	40	mg/kg
6	mercury	mg/kg	0.1	0.527	mg/kg
7	nickel	mg/kg	43.7	28.2	mg/kg
8	lead	mg/kg	192	108	mg/kg
9	zinc	mg/kg	157	168	mg/kg
10	TOC (total organic carbon)	%	3.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	136	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	115.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-10-12/07/2024-3.00-4.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	9.2	30.9	mg/kg
2	cadmium	mg/kg	0.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.3	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	100	83.1	mg/kg
6	mercury	mg/kg	0.1	0.262	mg/kg
7	nickel	mg/kg	43.7	35.7	mg/kg
8	lead	mg/kg	192	61.1	mg/kg
9	zinc	mg/kg	157	122	mg/kg
10	TOC (total organic carbon)	%	3.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	136	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	115.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-11-12/07/2024-0.00-1.00m

⚠ Sample "TP1-11-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.7	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	9.6	47.8	mg/kg
8	lead	mg/kg	6	48.3	mg/kg
9	zinc	mg/kg	11	137	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	246	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-11-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.7	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	9.6	61.9	mg/kg
8	lead	mg/kg	6	86.1	mg/kg
9	zinc	mg/kg	11	197	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	246	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "TP1-11-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.7	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	9.6	54.4	mg/kg
8	lead	mg/kg	6	81.3	mg/kg
9	zinc	mg/kg	11	237	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	246	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "TP1-11-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.7	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	9.6	50.3	mg/kg
8	lead	mg/kg	6	91.4	mg/kg
9	zinc	mg/kg	11	155	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	246	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-11-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.7	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	9.6	65.7	mg/kg
8	lead	mg/kg	6	109	mg/kg
9	zinc	mg/kg	11	224	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	246	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-11-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.7	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	9.6	28.2	mg/kg
8	lead	mg/kg	6	108	mg/kg
9	zinc	mg/kg	11	168	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	246	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-11-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.7	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	15.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	7	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	9.6	35.7	mg/kg
8	lead	mg/kg	6	61.1	mg/kg
9	zinc	mg/kg	11	122	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	246	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.35	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-11-12/07/2024-1.00-1.70m

⚠ Sample "TP1-11-12/07/2024-1.00-1.70m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	4	15.6	mg/kg
2	cadmium	mg/kg	0.2	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	97.4	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	23	47.8	mg/kg
8	lead	mg/kg	53	48.3	mg/kg
9	zinc	mg/kg	96	137	mg/kg
10	TOC (total organic carbon)	%	0.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	40	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-11-12/07/2024-1.00-1.70m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	4	24.9	mg/kg
2	cadmium	mg/kg	0.2	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	97.4	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	23	61.9	mg/kg
8	lead	mg/kg	53	86.1	mg/kg
9	zinc	mg/kg	96	197	mg/kg
10	TOC (total organic carbon)	%	0.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	40	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-11-12/07/2024-1.00-1.70m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	4	38.1	mg/kg
2	cadmium	mg/kg	0.2	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	97.4	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	23	54.4	mg/kg
8	lead	mg/kg	53	81.3	mg/kg
9	zinc	mg/kg	96	237	mg/kg
10	TOC (total organic carbon)	%	0.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	40	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-11-12/07/2024-1.00-1.70m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	4	32.3	mg/kg
2	cadmium	mg/kg	0.2	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	97.4	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	23	50.3	mg/kg
8	lead	mg/kg	53	91.4	mg/kg
9	zinc	mg/kg	96	155	mg/kg
10	TOC (total organic carbon)	%	0.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	40	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-11-12/07/2024-1.00-1.70m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	4	41.5	mg/kg
2	cadmium	mg/kg	0.2	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	97.4	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	23	65.7	mg/kg
8	lead	mg/kg	53	109	mg/kg
9	zinc	mg/kg	96	224	mg/kg
10	TOC (total organic carbon)	%	0.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	40	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-11-12/07/2024-1.00-1.70m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	4	85.8	mg/kg
2	cadmium	mg/kg	0.2	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	97.4	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	23	28.2	mg/kg
8	lead	mg/kg	53	108	mg/kg
9	zinc	mg/kg	96	168	mg/kg
10	TOC (total organic carbon)	%	0.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	40	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-11-12/07/2024-1.00-1.70m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	4	30.9	mg/kg
2	cadmium	mg/kg	0.2	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	97.4	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	23	35.7	mg/kg
8	lead	mg/kg	53	61.1	mg/kg
9	zinc	mg/kg	96	122	mg/kg
10	TOC (total organic carbon)	%	0.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	40	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-12-12/07/2024-0.00-1.00m

⚠ Sample "TP1-12-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5.4	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	101.4	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	51.2	mg/kg
6	mercury	mg/kg	0.4	0.254	mg/kg
7	nickel	mg/kg	22	47.8	mg/kg
8	lead	mg/kg	128	48.3	mg/kg
9	zinc	mg/kg	136	137	mg/kg
10	TOC (total organic carbon)	%	1.59	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	98	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	32.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5.4	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	101.4	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	63.5	mg/kg
6	mercury	mg/kg	0.4	0.36	mg/kg
7	nickel	mg/kg	22	61.9	mg/kg
8	lead	mg/kg	128	86.1	mg/kg
9	zinc	mg/kg	136	197	mg/kg
10	TOC (total organic carbon)	%	1.59	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	98	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	32.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5.4	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	101.4	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	56.9	mg/kg
6	mercury	mg/kg	0.4	0.457	mg/kg
7	nickel	mg/kg	22	54.4	mg/kg
8	lead	mg/kg	128	81.3	mg/kg
9	zinc	mg/kg	136	237	mg/kg
10	TOC (total organic carbon)	%	1.59	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	98	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	32.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5.4	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	101.4	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	80.4	mg/kg
6	mercury	mg/kg	0.4	0.285	mg/kg
7	nickel	mg/kg	22	50.3	mg/kg
8	lead	mg/kg	128	91.4	mg/kg
9	zinc	mg/kg	136	155	mg/kg
10	TOC (total organic carbon)	%	1.59	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	98	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	32.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5.4	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	101.4	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	77.6	mg/kg
6	mercury	mg/kg	0.4	0.302	mg/kg
7	nickel	mg/kg	22	65.7	mg/kg
8	lead	mg/kg	128	109	mg/kg
9	zinc	mg/kg	136	224	mg/kg
10	TOC (total organic carbon)	%	1.59	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	98	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	32.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5.4	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	101.4	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	40	mg/kg
6	mercury	mg/kg	0.4	0.527	mg/kg
7	nickel	mg/kg	22	28.2	mg/kg
8	lead	mg/kg	128	108	mg/kg
9	zinc	mg/kg	136	168	mg/kg
10	TOC (total organic carbon)	%	1.59	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	98	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	32.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5.4	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	101.4	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	83.1	mg/kg
6	mercury	mg/kg	0.4	0.262	mg/kg
7	nickel	mg/kg	22	35.7	mg/kg
8	lead	mg/kg	128	61.1	mg/kg
9	zinc	mg/kg	136	122	mg/kg
10	TOC (total organic carbon)	%	1.59	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	98	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	32.06	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-12-12/07/2024-1.00-2.00m

⚠ Sample "TP1-12-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	6.6	15.6	mg/kg
2	cadmium	mg/kg	0.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	127.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	89	51.2	mg/kg
6	mercury	mg/kg	1.1	0.254	mg/kg
7	nickel	mg/kg	33.3	47.8	mg/kg
8	lead	mg/kg	217	48.3	mg/kg
9	zinc	mg/kg	183	137	mg/kg
10	TOC (total organic carbon)	%	2.18	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	75	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	37.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	6.6	24.9	mg/kg
2	cadmium	mg/kg	0.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	127.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	89	63.5	mg/kg
6	mercury	mg/kg	1.1	0.36	mg/kg
7	nickel	mg/kg	33.3	61.9	mg/kg
8	lead	mg/kg	217	86.1	mg/kg
9	zinc	mg/kg	183	197	mg/kg
10	TOC (total organic carbon)	%	2.18	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	75	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	37.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	6.6	38.1	mg/kg
2	cadmium	mg/kg	0.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	127.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	89	56.9	mg/kg
6	mercury	mg/kg	1.1	0.457	mg/kg
7	nickel	mg/kg	33.3	54.4	mg/kg
8	lead	mg/kg	217	81.3	mg/kg
9	zinc	mg/kg	183	237	mg/kg
10	TOC (total organic carbon)	%	2.18	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	75	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	37.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	6.6	32.3	mg/kg
2	cadmium	mg/kg	0.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	127.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	89	80.4	mg/kg
6	mercury	mg/kg	1.1	0.285	mg/kg
7	nickel	mg/kg	33.3	50.3	mg/kg
8	lead	mg/kg	217	91.4	mg/kg
9	zinc	mg/kg	183	155	mg/kg
10	TOC (total organic carbon)	%	2.18	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	75	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	37.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	6.6	41.5	mg/kg
2	cadmium	mg/kg	0.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	127.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	89	77.6	mg/kg
6	mercury	mg/kg	1.1	0.302	mg/kg
7	nickel	mg/kg	33.3	65.7	mg/kg
8	lead	mg/kg	217	109	mg/kg
9	zinc	mg/kg	183	224	mg/kg
10	TOC (total organic carbon)	%	2.18	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	75	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	37.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	6.6	85.8	mg/kg
2	cadmium	mg/kg	0.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	127.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	89	40	mg/kg
6	mercury	mg/kg	1.1	0.527	mg/kg
7	nickel	mg/kg	33.3	28.2	mg/kg
8	lead	mg/kg	217	108	mg/kg
9	zinc	mg/kg	183	168	mg/kg
10	TOC (total organic carbon)	%	2.18	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	75	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	37.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	6.6	30.9	mg/kg
2	cadmium	mg/kg	0.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	127.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	89	83.1	mg/kg
6	mercury	mg/kg	1.1	0.262	mg/kg
7	nickel	mg/kg	33.3	35.7	mg/kg
8	lead	mg/kg	217	61.1	mg/kg
9	zinc	mg/kg	183	122	mg/kg
10	TOC (total organic carbon)	%	2.18	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	75	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	37.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-12-12/07/2024-2.00-3.00m

⚠ Sample "TP1-12-12/07/2024-2.00-3.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	8.9	15.6	mg/kg
2	cadmium	mg/kg	0.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	89.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	98	51.2	mg/kg
6	mercury	mg/kg	1.2	0.254	mg/kg
7	nickel	mg/kg	18.5	47.8	mg/kg
8	lead	mg/kg	293	48.3	mg/kg
9	zinc	mg/kg	223	137	mg/kg
10	TOC (total organic carbon)	%	2.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	217	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	76.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-2.00-3.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	8.9	24.9	mg/kg
2	cadmium	mg/kg	0.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	89.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	98	63.5	mg/kg
6	mercury	mg/kg	1.2	0.36	mg/kg
7	nickel	mg/kg	18.5	61.9	mg/kg
8	lead	mg/kg	293	86.1	mg/kg
9	zinc	mg/kg	223	197	mg/kg
10	TOC (total organic carbon)	%	2.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	217	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	76.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-2.00-3.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	8.9	38.1	mg/kg
2	cadmium	mg/kg	0.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	89.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	98	56.9	mg/kg
6	mercury	mg/kg	1.2	0.457	mg/kg
7	nickel	mg/kg	18.5	54.4	mg/kg
8	lead	mg/kg	293	81.3	mg/kg
9	zinc	mg/kg	223	237	mg/kg
10	TOC (total organic carbon)	%	2.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	217	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	76.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-2.00-3.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	8.9	32.3	mg/kg
2	cadmium	mg/kg	0.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	89.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	98	80.4	mg/kg
6	mercury	mg/kg	1.2	0.285	mg/kg
7	nickel	mg/kg	18.5	50.3	mg/kg
8	lead	mg/kg	293	91.4	mg/kg
9	zinc	mg/kg	223	155	mg/kg
10	TOC (total organic carbon)	%	2.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	217	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	76.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-2.00-3.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	8.9	41.5	mg/kg
2	cadmium	mg/kg	0.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	89.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	98	77.6	mg/kg
6	mercury	mg/kg	1.2	0.302	mg/kg
7	nickel	mg/kg	18.5	65.7	mg/kg
8	lead	mg/kg	293	109	mg/kg
9	zinc	mg/kg	223	224	mg/kg
10	TOC (total organic carbon)	%	2.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	217	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	76.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-2.00-3.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	8.9	85.8	mg/kg
2	cadmium	mg/kg	0.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	89.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	98	40	mg/kg
6	mercury	mg/kg	1.2	0.527	mg/kg
7	nickel	mg/kg	18.5	28.2	mg/kg
8	lead	mg/kg	293	108	mg/kg
9	zinc	mg/kg	223	168	mg/kg
10	TOC (total organic carbon)	%	2.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	217	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	76.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-2.00-3.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	8.9	30.9	mg/kg
2	cadmium	mg/kg	0.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	89.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	98	83.1	mg/kg
6	mercury	mg/kg	1.2	0.262	mg/kg
7	nickel	mg/kg	18.5	35.7	mg/kg
8	lead	mg/kg	293	61.1	mg/kg
9	zinc	mg/kg	223	122	mg/kg
10	TOC (total organic carbon)	%	2.53	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	217	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	76.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-12-12/07/2024-3.00-3.60m

⚠ Sample "TP1-12-12/07/2024-3.00-3.60m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	10.1	15.6	mg/kg
2	cadmium	mg/kg	0.6	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	76.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	117	51.2	mg/kg
6	mercury	mg/kg	1.7	0.254	mg/kg
7	nickel	mg/kg	19.8	47.8	mg/kg
8	lead	mg/kg	308	48.3	mg/kg
9	zinc	mg/kg	243	137	mg/kg
10	TOC (total organic carbon)	%	2.57	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	287	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	52.02	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-3.00-3.60m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	10.1	24.9	mg/kg
2	cadmium	mg/kg	0.6	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	76.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	117	63.5	mg/kg
6	mercury	mg/kg	1.7	0.36	mg/kg
7	nickel	mg/kg	19.8	61.9	mg/kg
8	lead	mg/kg	308	86.1	mg/kg
9	zinc	mg/kg	243	197	mg/kg
10	TOC (total organic carbon)	%	2.57	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	287	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	52.02	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-3.00-3.60m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	10.1	38.1	mg/kg
2	cadmium	mg/kg	0.6	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	76.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	117	56.9	mg/kg
6	mercury	mg/kg	1.7	0.457	mg/kg
7	nickel	mg/kg	19.8	54.4	mg/kg
8	lead	mg/kg	308	81.3	mg/kg
9	zinc	mg/kg	243	237	mg/kg
10	TOC (total organic carbon)	%	2.57	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	287	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	52.02	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-3.00-3.60m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	10.1	32.3	mg/kg
2	cadmium	mg/kg	0.6	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	76.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	117	80.4	mg/kg
6	mercury	mg/kg	1.7	0.285	mg/kg
7	nickel	mg/kg	19.8	50.3	mg/kg
8	lead	mg/kg	308	91.4	mg/kg
9	zinc	mg/kg	243	155	mg/kg
10	TOC (total organic carbon)	%	2.57	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	287	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	52.02	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-3.00-3.60m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	10.1	41.5	mg/kg
2	cadmium	mg/kg	0.6	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	76.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	117	77.6	mg/kg
6	mercury	mg/kg	1.7	0.302	mg/kg
7	nickel	mg/kg	19.8	65.7	mg/kg
8	lead	mg/kg	308	109	mg/kg
9	zinc	mg/kg	243	224	mg/kg
10	TOC (total organic carbon)	%	2.57	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	287	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	52.02	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-12-12/07/2024-3.00-3.60m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	10.1	85.8	mg/kg
2	cadmium	mg/kg	0.6	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	76.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	117	40	mg/kg
6	mercury	mg/kg	1.7	0.527	mg/kg
7	nickel	mg/kg	19.8	28.2	mg/kg
8	lead	mg/kg	308	108	mg/kg
9	zinc	mg/kg	243	168	mg/kg
10	TOC (total organic carbon)	%	2.57	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	287	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	52.02	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-12-12/07/2024-3.00-3.60m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	10.1	30.9	mg/kg
2	cadmium	mg/kg	0.6	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	76.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	117	83.1	mg/kg
6	mercury	mg/kg	1.7	0.262	mg/kg
7	nickel	mg/kg	19.8	35.7	mg/kg
8	lead	mg/kg	308	61.1	mg/kg
9	zinc	mg/kg	243	122	mg/kg
10	TOC (total organic carbon)	%	2.57	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	287	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	52.02	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-13-12/07/2024-0.00-1.00m

⚠ Sample "TP1-13-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	4.8	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	107.4	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	51.2	mg/kg
6	mercury	mg/kg	0.1	0.254	mg/kg
7	nickel	mg/kg	32	47.8	mg/kg
8	lead	mg/kg	60	48.3	mg/kg
9	zinc	mg/kg	68	137	mg/kg
10	TOC (total organic carbon)	%	0.64	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-13-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	4.8	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	107.4	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	63.5	mg/kg
6	mercury	mg/kg	0.1	0.36	mg/kg
7	nickel	mg/kg	32	61.9	mg/kg
8	lead	mg/kg	60	86.1	mg/kg
9	zinc	mg/kg	68	197	mg/kg
10	TOC (total organic carbon)	%	0.64	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-13-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	4.8	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	107.4	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	56.9	mg/kg
6	mercury	mg/kg	0.1	0.457	mg/kg
7	nickel	mg/kg	32	54.4	mg/kg
8	lead	mg/kg	60	81.3	mg/kg
9	zinc	mg/kg	68	237	mg/kg
10	TOC (total organic carbon)	%	0.64	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-13-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	4.8	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	107.4	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	80.4	mg/kg
6	mercury	mg/kg	0.1	0.285	mg/kg
7	nickel	mg/kg	32	50.3	mg/kg
8	lead	mg/kg	60	91.4	mg/kg
9	zinc	mg/kg	68	155	mg/kg
10	TOC (total organic carbon)	%	0.64	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-13-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	4.8	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	107.4	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	77.6	mg/kg
6	mercury	mg/kg	0.1	0.302	mg/kg
7	nickel	mg/kg	32	65.7	mg/kg
8	lead	mg/kg	60	109	mg/kg
9	zinc	mg/kg	68	224	mg/kg
10	TOC (total organic carbon)	%	0.64	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-13-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	4.8	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	107.4	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	40	mg/kg
6	mercury	mg/kg	0.1	0.527	mg/kg
7	nickel	mg/kg	32	28.2	mg/kg
8	lead	mg/kg	60	108	mg/kg
9	zinc	mg/kg	68	168	mg/kg
10	TOC (total organic carbon)	%	0.64	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-13-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	4.8	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	107.4	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	83.1	mg/kg
6	mercury	mg/kg	0.1	0.262	mg/kg
7	nickel	mg/kg	32	35.7	mg/kg
8	lead	mg/kg	60	61.1	mg/kg
9	zinc	mg/kg	68	122	mg/kg
10	TOC (total organic carbon)	%	0.64	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.24	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-13-12/07/2024-1.00-2.00m

⚠ Sample "TP1-13-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5	15.6	mg/kg
2	cadmium	mg/kg	0.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	94.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	27	51.2	mg/kg
6	mercury	mg/kg	0.2	0.254	mg/kg
7	nickel	mg/kg	25.1	47.8	mg/kg
8	lead	mg/kg	111	48.3	mg/kg
9	zinc	mg/kg	75	137	mg/kg
10	TOC (total organic carbon)	%	0.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.63	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-13-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5	24.9	mg/kg
2	cadmium	mg/kg	0.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	94.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	27	63.5	mg/kg
6	mercury	mg/kg	0.2	0.36	mg/kg
7	nickel	mg/kg	25.1	61.9	mg/kg
8	lead	mg/kg	111	86.1	mg/kg
9	zinc	mg/kg	75	197	mg/kg
10	TOC (total organic carbon)	%	0.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.63	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-13-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5	38.1	mg/kg
2	cadmium	mg/kg	0.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	94.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	27	56.9	mg/kg
6	mercury	mg/kg	0.2	0.457	mg/kg
7	nickel	mg/kg	25.1	54.4	mg/kg
8	lead	mg/kg	111	81.3	mg/kg
9	zinc	mg/kg	75	237	mg/kg
10	TOC (total organic carbon)	%	0.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.63	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-13-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5	32.3	mg/kg
2	cadmium	mg/kg	0.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	94.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	27	80.4	mg/kg
6	mercury	mg/kg	0.2	0.285	mg/kg
7	nickel	mg/kg	25.1	50.3	mg/kg
8	lead	mg/kg	111	91.4	mg/kg
9	zinc	mg/kg	75	155	mg/kg
10	TOC (total organic carbon)	%	0.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.63	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-13-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5	41.5	mg/kg
2	cadmium	mg/kg	0.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	94.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	27	77.6	mg/kg
6	mercury	mg/kg	0.2	0.302	mg/kg
7	nickel	mg/kg	25.1	65.7	mg/kg
8	lead	mg/kg	111	109	mg/kg
9	zinc	mg/kg	75	224	mg/kg
10	TOC (total organic carbon)	%	0.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.63	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-13-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5	85.8	mg/kg
2	cadmium	mg/kg	0.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	94.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	27	40	mg/kg
6	mercury	mg/kg	0.2	0.527	mg/kg
7	nickel	mg/kg	25.1	28.2	mg/kg
8	lead	mg/kg	111	108	mg/kg
9	zinc	mg/kg	75	168	mg/kg
10	TOC (total organic carbon)	%	0.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.63	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-13-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5	30.9	mg/kg
2	cadmium	mg/kg	0.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	94.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	27	83.1	mg/kg
6	mercury	mg/kg	0.2	0.262	mg/kg
7	nickel	mg/kg	25.1	35.7	mg/kg
8	lead	mg/kg	111	61.1	mg/kg
9	zinc	mg/kg	75	122	mg/kg
10	TOC (total organic carbon)	%	0.81	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.63	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-13-12/07/2024-2.00-2.80m

⚠ Sample "TP1-13-12/07/2024-2.00-2.80m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	4.6	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	143.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	51.2	mg/kg
6	mercury	mg/kg	0.3	0.254	mg/kg
7	nickel	mg/kg	52.5	47.8	mg/kg
8	lead	mg/kg	49	48.3	mg/kg
9	zinc	mg/kg	62	137	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-13-12/07/2024-2.00-2.80m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	4.6	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	143.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	63.5	mg/kg
6	mercury	mg/kg	0.3	0.36	mg/kg
7	nickel	mg/kg	52.5	61.9	mg/kg
8	lead	mg/kg	49	86.1	mg/kg
9	zinc	mg/kg	62	197	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-13-12/07/2024-2.00-2.80m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	4.6	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	143.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	56.9	mg/kg
6	mercury	mg/kg	0.3	0.457	mg/kg
7	nickel	mg/kg	52.5	54.4	mg/kg
8	lead	mg/kg	49	81.3	mg/kg
9	zinc	mg/kg	62	237	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-13-12/07/2024-2.00-2.80m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	4.6	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	143.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	80.4	mg/kg
6	mercury	mg/kg	0.3	0.285	mg/kg
7	nickel	mg/kg	52.5	50.3	mg/kg
8	lead	mg/kg	49	91.4	mg/kg
9	zinc	mg/kg	62	155	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-13-12/07/2024-2.00-2.80m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	4.6	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	143.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	77.6	mg/kg
6	mercury	mg/kg	0.3	0.302	mg/kg
7	nickel	mg/kg	52.5	65.7	mg/kg
8	lead	mg/kg	49	109	mg/kg
9	zinc	mg/kg	62	224	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-13-12/07/2024-2.00-2.80m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	4.6	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	143.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	40	mg/kg
6	mercury	mg/kg	0.3	0.527	mg/kg
7	nickel	mg/kg	52.5	28.2	mg/kg
8	lead	mg/kg	49	108	mg/kg
9	zinc	mg/kg	62	168	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-13-12/07/2024-2.00-2.80m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	4.6	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	143.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	31	83.1	mg/kg
6	mercury	mg/kg	0.3	0.262	mg/kg
7	nickel	mg/kg	52.5	35.7	mg/kg
8	lead	mg/kg	49	61.1	mg/kg
9	zinc	mg/kg	62	122	mg/kg
10	TOC (total organic carbon)	%	0.5	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-14-12/07/2024-1.00-2.00m

⚠ Sample "TP1-14-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.6	15.6	mg/kg
2	cadmium	mg/kg	0.1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	70.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	33	51.2	mg/kg
6	mercury	mg/kg	0.1	0.254	mg/kg
7	nickel	mg/kg	12.3	47.8	mg/kg
8	lead	mg/kg	42	48.3	mg/kg
9	zinc	mg/kg	80	137	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-14-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.6	24.9	mg/kg
2	cadmium	mg/kg	0.1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	70.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	33	63.5	mg/kg
6	mercury	mg/kg	0.1	0.36	mg/kg
7	nickel	mg/kg	12.3	61.9	mg/kg
8	lead	mg/kg	42	86.1	mg/kg
9	zinc	mg/kg	80	197	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-14-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.6	38.1	mg/kg
2	cadmium	mg/kg	0.1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	70.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	33	56.9	mg/kg
6	mercury	mg/kg	0.1	0.457	mg/kg
7	nickel	mg/kg	12.3	54.4	mg/kg
8	lead	mg/kg	42	81.3	mg/kg
9	zinc	mg/kg	80	237	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-14-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.6	32.3	mg/kg
2	cadmium	mg/kg	0.1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	70.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	33	80.4	mg/kg
6	mercury	mg/kg	0.1	0.285	mg/kg
7	nickel	mg/kg	12.3	50.3	mg/kg
8	lead	mg/kg	42	91.4	mg/kg
9	zinc	mg/kg	80	155	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-14-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.6	41.5	mg/kg
2	cadmium	mg/kg	0.1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	70.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	33	77.6	mg/kg
6	mercury	mg/kg	0.1	0.302	mg/kg
7	nickel	mg/kg	12.3	65.7	mg/kg
8	lead	mg/kg	42	109	mg/kg
9	zinc	mg/kg	80	224	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-14-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.6	85.8	mg/kg
2	cadmium	mg/kg	0.1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	70.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	33	40	mg/kg
6	mercury	mg/kg	0.1	0.527	mg/kg
7	nickel	mg/kg	12.3	28.2	mg/kg
8	lead	mg/kg	42	108	mg/kg
9	zinc	mg/kg	80	168	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-14-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.6	30.9	mg/kg
2	cadmium	mg/kg	0.1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	70.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	33	83.1	mg/kg
6	mercury	mg/kg	0.1	0.262	mg/kg
7	nickel	mg/kg	12.3	35.7	mg/kg
8	lead	mg/kg	42	61.1	mg/kg
9	zinc	mg/kg	80	122	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.81	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-14-12/07/2024-2.00-3.00m

⚠ Sample "TP1-14-12/07/2024-2.00-3.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.7	15.6	mg/kg
2	cadmium	mg/kg	0.1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	78.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	14.4	47.8	mg/kg
8	lead	mg/kg	53	48.3	mg/kg
9	zinc	mg/kg	100	137	mg/kg
10	TOC (total organic carbon)	%	0.63	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.98	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-14-12/07/2024-2.00-3.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.7	24.9	mg/kg
2	cadmium	mg/kg	0.1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	78.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	14.4	61.9	mg/kg
8	lead	mg/kg	53	86.1	mg/kg
9	zinc	mg/kg	100	197	mg/kg
10	TOC (total organic carbon)	%	0.63	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.98	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-14-12/07/2024-2.00-3.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.7	38.1	mg/kg
2	cadmium	mg/kg	0.1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	78.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	14.4	54.4	mg/kg
8	lead	mg/kg	53	81.3	mg/kg
9	zinc	mg/kg	100	237	mg/kg
10	TOC (total organic carbon)	%	0.63	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.98	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-14-12/07/2024-2.00-3.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.7	32.3	mg/kg
2	cadmium	mg/kg	0.1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	78.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	14.4	50.3	mg/kg
8	lead	mg/kg	53	91.4	mg/kg
9	zinc	mg/kg	100	155	mg/kg
10	TOC (total organic carbon)	%	0.63	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.98	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-14-12/07/2024-2.00-3.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.7	41.5	mg/kg
2	cadmium	mg/kg	0.1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	78.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	14.4	65.7	mg/kg
8	lead	mg/kg	53	109	mg/kg
9	zinc	mg/kg	100	224	mg/kg
10	TOC (total organic carbon)	%	0.63	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.98	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-14-12/07/2024-2.00-3.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.7	85.8	mg/kg
2	cadmium	mg/kg	0.1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	78.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	14.4	28.2	mg/kg
8	lead	mg/kg	53	108	mg/kg
9	zinc	mg/kg	100	168	mg/kg
10	TOC (total organic carbon)	%	0.63	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.98	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-14-12/07/2024-2.00-3.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.7	30.9	mg/kg
2	cadmium	mg/kg	0.1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	78.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	50	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	14.4	35.7	mg/kg
8	lead	mg/kg	53	61.1	mg/kg
9	zinc	mg/kg	100	122	mg/kg
10	TOC (total organic carbon)	%	0.63	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.98	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-14-12/07/2024-0.00-1.00m

⚠ Sample "TP1-14-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	6.8	15.6	mg/kg
2	cadmium	mg/kg	0.8	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.1	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	14.4	47.8	mg/kg
8	lead	mg/kg	94	48.3	mg/kg
9	zinc	mg/kg	129	137	mg/kg
10	TOC (total organic carbon)	%	0.8	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	12.8	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-14-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	6.8	24.9	mg/kg
2	cadmium	mg/kg	0.8	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.1	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	14.4	61.9	mg/kg
8	lead	mg/kg	94	86.1	mg/kg
9	zinc	mg/kg	129	197	mg/kg
10	TOC (total organic carbon)	%	0.8	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	12.8	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-14-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	6.8	38.1	mg/kg
2	cadmium	mg/kg	0.8	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.1	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	14.4	54.4	mg/kg
8	lead	mg/kg	94	81.3	mg/kg
9	zinc	mg/kg	129	237	mg/kg
10	TOC (total organic carbon)	%	0.8	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	12.8	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-14-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	6.8	32.3	mg/kg
2	cadmium	mg/kg	0.8	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.1	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	14.4	50.3	mg/kg
8	lead	mg/kg	94	91.4	mg/kg
9	zinc	mg/kg	129	155	mg/kg
10	TOC (total organic carbon)	%	0.8	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	12.8	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-14-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	6.8	41.5	mg/kg
2	cadmium	mg/kg	0.8	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.1	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	14.4	65.7	mg/kg
8	lead	mg/kg	94	109	mg/kg
9	zinc	mg/kg	129	224	mg/kg
10	TOC (total organic carbon)	%	0.8	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	12.8	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-14-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	6.8	85.8	mg/kg
2	cadmium	mg/kg	0.8	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.1	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	14.4	28.2	mg/kg
8	lead	mg/kg	94	108	mg/kg
9	zinc	mg/kg	129	168	mg/kg
10	TOC (total organic carbon)	%	0.8	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	12.8	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-14-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	6.8	30.9	mg/kg
2	cadmium	mg/kg	0.8	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.1	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	34	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	14.4	35.7	mg/kg
8	lead	mg/kg	94	61.1	mg/kg
9	zinc	mg/kg	129	122	mg/kg
10	TOC (total organic carbon)	%	0.8	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	12.8	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-15-12/07/2024-0.00-1.00m

⚠ Sample "TP1-15-12/07/2024-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5	15.6	mg/kg
2	cadmium	mg/kg	1.2	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	9.7	47.8	mg/kg
8	lead	mg/kg	161	48.3	mg/kg
9	zinc	mg/kg	149	137	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.76	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-15-12/07/2024-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5	24.9	mg/kg
2	cadmium	mg/kg	1.2	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	9.7	61.9	mg/kg
8	lead	mg/kg	161	86.1	mg/kg
9	zinc	mg/kg	149	197	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.76	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-15-12/07/2024-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5	38.1	mg/kg
2	cadmium	mg/kg	1.2	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	9.7	54.4	mg/kg
8	lead	mg/kg	161	81.3	mg/kg
9	zinc	mg/kg	149	237	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.76	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-15-12/07/2024-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5	32.3	mg/kg
2	cadmium	mg/kg	1.2	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	9.7	50.3	mg/kg
8	lead	mg/kg	161	91.4	mg/kg
9	zinc	mg/kg	149	155	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.76	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-15-12/07/2024-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5	41.5	mg/kg
2	cadmium	mg/kg	1.2	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	9.7	65.7	mg/kg
8	lead	mg/kg	161	109	mg/kg
9	zinc	mg/kg	149	224	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.76	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-15-12/07/2024-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5	85.8	mg/kg
2	cadmium	mg/kg	1.2	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	9.7	28.2	mg/kg
8	lead	mg/kg	161	108	mg/kg
9	zinc	mg/kg	149	168	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.76	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-15-12/07/2024-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5	30.9	mg/kg
2	cadmium	mg/kg	1.2	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	39.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	28	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	9.7	35.7	mg/kg
8	lead	mg/kg	161	61.1	mg/kg
9	zinc	mg/kg	149	122	mg/kg
10	TOC (total organic carbon)	%	0.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.76	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-15-12/07/2024-1.00-2.00m

⚠ Sample "TP1-15-12/07/2024-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.2	15.6	mg/kg
2	cadmium	mg/kg	0.2	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	18	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	8.7	47.8	mg/kg
8	lead	mg/kg	66	48.3	mg/kg
9	zinc	mg/kg	47	137	mg/kg
10	TOC (total organic carbon)	%	0.28	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.97	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-15-12/07/2024-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.2	24.9	mg/kg
2	cadmium	mg/kg	0.2	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	18	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	8.7	61.9	mg/kg
8	lead	mg/kg	66	86.1	mg/kg
9	zinc	mg/kg	47	197	mg/kg
10	TOC (total organic carbon)	%	0.28	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.97	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-15-12/07/2024-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.2	38.1	mg/kg
2	cadmium	mg/kg	0.2	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	18	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	8.7	54.4	mg/kg
8	lead	mg/kg	66	81.3	mg/kg
9	zinc	mg/kg	47	237	mg/kg
10	TOC (total organic carbon)	%	0.28	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.97	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-15-12/07/2024-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.2	32.3	mg/kg
2	cadmium	mg/kg	0.2	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	18	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	8.7	50.3	mg/kg
8	lead	mg/kg	66	91.4	mg/kg
9	zinc	mg/kg	47	155	mg/kg
10	TOC (total organic carbon)	%	0.28	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.97	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-15-12/07/2024-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.2	41.5	mg/kg
2	cadmium	mg/kg	0.2	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	18	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	8.7	65.7	mg/kg
8	lead	mg/kg	66	109	mg/kg
9	zinc	mg/kg	47	224	mg/kg
10	TOC (total organic carbon)	%	0.28	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.97	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-15-12/07/2024-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.2	85.8	mg/kg
2	cadmium	mg/kg	0.2	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	18	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	8.7	28.2	mg/kg
8	lead	mg/kg	66	108	mg/kg
9	zinc	mg/kg	47	168	mg/kg
10	TOC (total organic carbon)	%	0.28	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.97	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-15-12/07/2024-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.2	30.9	mg/kg
2	cadmium	mg/kg	0.2	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	54.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	18	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	8.7	35.7	mg/kg
8	lead	mg/kg	66	61.1	mg/kg
9	zinc	mg/kg	47	122	mg/kg
10	TOC (total organic carbon)	%	0.28	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.97	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: TP1-15-12/07/2024-2.00-2.60m

⚠ Sample "TP1-15-12/07/2024-2.00-2.60m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.9	15.6	mg/kg
2	cadmium	mg/kg	0.2	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	13.9	47.8	mg/kg
8	lead	mg/kg	52	48.3	mg/kg
9	zinc	mg/kg	54	137	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.99	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-15-12/07/2024-2.00-2.60m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.9	24.9	mg/kg
2	cadmium	mg/kg	0.2	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	13.9	61.9	mg/kg
8	lead	mg/kg	52	86.1	mg/kg
9	zinc	mg/kg	54	197	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.99	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-15-12/07/2024-2.00-2.60m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.9	38.1	mg/kg
2	cadmium	mg/kg	0.2	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	13.9	54.4	mg/kg
8	lead	mg/kg	52	81.3	mg/kg
9	zinc	mg/kg	54	237	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.99	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-15-12/07/2024-2.00-2.60m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.9	32.3	mg/kg
2	cadmium	mg/kg	0.2	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	13.9	50.3	mg/kg
8	lead	mg/kg	52	91.4	mg/kg
9	zinc	mg/kg	54	155	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.99	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-15-12/07/2024-2.00-2.60m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.9	41.5	mg/kg
2	cadmium	mg/kg	0.2	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	13.9	65.7	mg/kg
8	lead	mg/kg	52	109	mg/kg
9	zinc	mg/kg	54	224	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.99	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "TP1-15-12/07/2024-2.00-2.60m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.9	85.8	mg/kg
2	cadmium	mg/kg	0.2	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	13.9	28.2	mg/kg
8	lead	mg/kg	52	108	mg/kg
9	zinc	mg/kg	54	168	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.99	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "TP1-15-12/07/2024-2.00-2.60m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.9	30.9	mg/kg
2	cadmium	mg/kg	0.2	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	86.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	13.9	35.7	mg/kg
8	lead	mg/kg	52	61.1	mg/kg
9	zinc	mg/kg	54	122	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.99	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-01-02/09/2019-0.00-0.50m

⚠ Sample "WS-01-02/09/2019-0.00-0.50m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.5	15.6	mg/kg
2	cadmium	mg/kg	0.8	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.3	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	7.9	47.8	mg/kg
8	lead	mg/kg	47	48.3	mg/kg
9	zinc	mg/kg	123	137	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	150	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-01-02/09/2019-0.00-0.50m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.5	24.9	mg/kg
2	cadmium	mg/kg	0.8	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.3	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	7.9	61.9	mg/kg
8	lead	mg/kg	47	86.1	mg/kg
9	zinc	mg/kg	123	197	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	150	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-01-02/09/2019-0.00-0.50m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.5	38.1	mg/kg
2	cadmium	mg/kg	0.8	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.3	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	7.9	54.4	mg/kg
8	lead	mg/kg	47	81.3	mg/kg
9	zinc	mg/kg	123	237	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	150	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-01-02/09/2019-0.00-0.50m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.5	32.3	mg/kg
2	cadmium	mg/kg	0.8	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.3	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	7.9	50.3	mg/kg
8	lead	mg/kg	47	91.4	mg/kg
9	zinc	mg/kg	123	155	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	150	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-01-02/09/2019-0.00-0.50m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.5	41.5	mg/kg
2	cadmium	mg/kg	0.8	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.3	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	7.9	65.7	mg/kg
8	lead	mg/kg	47	109	mg/kg
9	zinc	mg/kg	123	224	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	150	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-01-02/09/2019-0.00-0.50m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.5	85.8	mg/kg
2	cadmium	mg/kg	0.8	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.3	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	7.9	28.2	mg/kg
8	lead	mg/kg	47	108	mg/kg
9	zinc	mg/kg	123	168	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	150	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-01-02/09/2019-0.00-0.50m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.5	30.9	mg/kg
2	cadmium	mg/kg	0.8	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.3	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	7.9	35.7	mg/kg
8	lead	mg/kg	47	61.1	mg/kg
9	zinc	mg/kg	123	122	mg/kg
10	TOC (total organic carbon)	%	0.43	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	150	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-02-02/09/2019-0.00-0.50m

Sample "WS-02-02/09/2019-0.00-0.50m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.4	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.7	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	10.8	47.8	mg/kg
8	lead	mg/kg	38	48.3	mg/kg
9	zinc	mg/kg	41	137	mg/kg
10	TOC (total organic carbon)	%	0.17	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-02-02/09/2019-0.00-0.50m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.4	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.7	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	10.8	61.9	mg/kg
8	lead	mg/kg	38	86.1	mg/kg
9	zinc	mg/kg	41	197	mg/kg
10	TOC (total organic carbon)	%	0.17	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-02-02/09/2019-0.00-0.50m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.4	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.7	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	10.8	54.4	mg/kg
8	lead	mg/kg	38	81.3	mg/kg
9	zinc	mg/kg	41	237	mg/kg
10	TOC (total organic carbon)	%	0.17	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-02-02/09/2019-0.00-0.50m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.4	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.7	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	10.8	50.3	mg/kg
8	lead	mg/kg	38	91.4	mg/kg
9	zinc	mg/kg	41	155	mg/kg
10	TOC (total organic carbon)	%	0.17	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-02-02/09/2019-0.00-0.50m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.4	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.7	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	10.8	65.7	mg/kg
8	lead	mg/kg	38	109	mg/kg
9	zinc	mg/kg	41	224	mg/kg
10	TOC (total organic carbon)	%	0.17	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-02-02/09/2019-0.00-0.50m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.4	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.7	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	10.8	28.2	mg/kg
8	lead	mg/kg	38	108	mg/kg
9	zinc	mg/kg	41	168	mg/kg
10	TOC (total organic carbon)	%	0.17	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-02-02/09/2019-0.00-0.50m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.4	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	31.7	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	14	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	10.8	35.7	mg/kg
8	lead	mg/kg	38	61.1	mg/kg
9	zinc	mg/kg	41	122	mg/kg
10	TOC (total organic carbon)	%	0.17	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-03-02/09/2019-0.00-0.54m

Sample "WS-03-02/09/2019-0.00-0.54m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.8	15.6	mg/kg
2	cadmium	mg/kg	0.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.3	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	10.6	47.8	mg/kg
8	lead	mg/kg	31	48.3	mg/kg
9	zinc	mg/kg	55	137	mg/kg
10	TOC (total organic carbon)	%	0.52	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-03-02/09/2019-0.00-0.54m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.8	24.9	mg/kg
2	cadmium	mg/kg	0.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.3	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	10.6	61.9	mg/kg
8	lead	mg/kg	31	86.1	mg/kg
9	zinc	mg/kg	55	197	mg/kg
10	TOC (total organic carbon)	%	0.52	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-03-02/09/2019-0.00-0.54m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.8	38.1	mg/kg
2	cadmium	mg/kg	0.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.3	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	10.6	54.4	mg/kg
8	lead	mg/kg	31	81.3	mg/kg
9	zinc	mg/kg	55	237	mg/kg
10	TOC (total organic carbon)	%	0.52	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-03-02/09/2019-0.00-0.54m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.8	32.3	mg/kg
2	cadmium	mg/kg	0.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.3	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	10.6	50.3	mg/kg
8	lead	mg/kg	31	91.4	mg/kg
9	zinc	mg/kg	55	155	mg/kg
10	TOC (total organic carbon)	%	0.52	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-03-02/09/2019-0.00-0.54m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.8	41.5	mg/kg
2	cadmium	mg/kg	0.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.3	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	10.6	65.7	mg/kg
8	lead	mg/kg	31	109	mg/kg
9	zinc	mg/kg	55	224	mg/kg
10	TOC (total organic carbon)	%	0.52	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-03-02/09/2019-0.00-0.54m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.8	85.8	mg/kg
2	cadmium	mg/kg	0.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.3	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	10.6	28.2	mg/kg
8	lead	mg/kg	31	108	mg/kg
9	zinc	mg/kg	55	168	mg/kg
10	TOC (total organic carbon)	%	0.52	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-03-02/09/2019-0.00-0.54m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.8	30.9	mg/kg
2	cadmium	mg/kg	0.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.3	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	15	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	10.6	35.7	mg/kg
8	lead	mg/kg	31	61.1	mg/kg
9	zinc	mg/kg	55	122	mg/kg
10	TOC (total organic carbon)	%	0.52	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.77	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-04-02/09/2019-0.00-1.00m

⚠ Sample "WS-04-02/09/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.1	15.6	mg/kg
2	cadmium	mg/kg	0.6	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	38.4	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	8.4	47.8	mg/kg
8	lead	mg/kg	33	48.3	mg/kg
9	zinc	mg/kg	37	137	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.94	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-04-02/09/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.1	24.9	mg/kg
2	cadmium	mg/kg	0.6	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	38.4	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	8.4	61.9	mg/kg
8	lead	mg/kg	33	86.1	mg/kg
9	zinc	mg/kg	37	197	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.94	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-04-02/09/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.1	38.1	mg/kg
2	cadmium	mg/kg	0.6	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	38.4	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	8.4	54.4	mg/kg
8	lead	mg/kg	33	81.3	mg/kg
9	zinc	mg/kg	37	237	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.94	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-04-02/09/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.1	32.3	mg/kg
2	cadmium	mg/kg	0.6	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	38.4	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	8.4	50.3	mg/kg
8	lead	mg/kg	33	91.4	mg/kg
9	zinc	mg/kg	37	155	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.94	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-04-02/09/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.1	41.5	mg/kg
2	cadmium	mg/kg	0.6	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	38.4	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	8.4	65.7	mg/kg
8	lead	mg/kg	33	109	mg/kg
9	zinc	mg/kg	37	224	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.94	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-04-02/09/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.1	85.8	mg/kg
2	cadmium	mg/kg	0.6	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	38.4	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	8.4	28.2	mg/kg
8	lead	mg/kg	33	108	mg/kg
9	zinc	mg/kg	37	168	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.94	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-04-02/09/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.1	30.9	mg/kg
2	cadmium	mg/kg	0.6	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	38.4	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	8.4	35.7	mg/kg
8	lead	mg/kg	33	61.1	mg/kg
9	zinc	mg/kg	37	122	mg/kg
10	TOC (total organic carbon)	%	0.37	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.94	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-04-02/09/2019-1.00-2.00m

Sample "WS-04-02/09/2019-1.00-2.00m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.4	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	9.2	47.8	mg/kg
8	lead	mg/kg	9	48.3	mg/kg
9	zinc	mg/kg	24	137	mg/kg
10	TOC (total organic carbon)	%	0.08	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-04-02/09/2019-1.00-2.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.4	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	9.2	61.9	mg/kg
8	lead	mg/kg	9	86.1	mg/kg
9	zinc	mg/kg	24	197	mg/kg
10	TOC (total organic carbon)	%	0.08	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-04-02/09/2019-1.00-2.00m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.4	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	9.2	54.4	mg/kg
8	lead	mg/kg	9	81.3	mg/kg
9	zinc	mg/kg	24	237	mg/kg
10	TOC (total organic carbon)	%	0.08	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-04-02/09/2019-1.00-2.00m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.4	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	9.2	50.3	mg/kg
8	lead	mg/kg	9	91.4	mg/kg
9	zinc	mg/kg	24	155	mg/kg
10	TOC (total organic carbon)	%	0.08	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-04-02/09/2019-1.00-2.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.4	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	9.2	65.7	mg/kg
8	lead	mg/kg	9	109	mg/kg
9	zinc	mg/kg	24	224	mg/kg
10	TOC (total organic carbon)	%	0.08	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-04-02/09/2019-1.00-2.00m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.4	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	9.2	28.2	mg/kg
8	lead	mg/kg	9	108	mg/kg
9	zinc	mg/kg	24	168	mg/kg
10	TOC (total organic carbon)	%	0.08	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-04-02/09/2019-1.00-2.00m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.4	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	9.2	35.7	mg/kg
8	lead	mg/kg	9	61.1	mg/kg
9	zinc	mg/kg	24	122	mg/kg
10	TOC (total organic carbon)	%	0.08	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-04-02/09/2019-2.00-2.20m

Sample "WS-04-02/09/2019-2.00-2.20m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.1	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	9	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	6.9	47.8	mg/kg
8	lead	mg/kg	9	48.3	mg/kg
9	zinc	mg/kg	39	137	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-04-02/09/2019-2.00-2.20m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.1	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	9	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	6.9	61.9	mg/kg
8	lead	mg/kg	9	86.1	mg/kg
9	zinc	mg/kg	39	197	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-04-02/09/2019-2.00-2.20m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.1	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	9	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	6.9	54.4	mg/kg
8	lead	mg/kg	9	81.3	mg/kg
9	zinc	mg/kg	39	237	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-04-02/09/2019-2.00-2.20m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.1	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	9	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	6.9	50.3	mg/kg
8	lead	mg/kg	9	91.4	mg/kg
9	zinc	mg/kg	39	155	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-04-02/09/2019-2.00-2.20m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.1	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	9	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	6.9	65.7	mg/kg
8	lead	mg/kg	9	109	mg/kg
9	zinc	mg/kg	39	224	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-04-02/09/2019-2.00-2.20m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.1	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	9	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	6.9	28.2	mg/kg
8	lead	mg/kg	9	108	mg/kg
9	zinc	mg/kg	39	168	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-04-02/09/2019-2.00-2.20m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.1	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	9	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	6.9	35.7	mg/kg
8	lead	mg/kg	9	61.1	mg/kg
9	zinc	mg/kg	39	122	mg/kg
10	TOC (total organic carbon)	%	0.14	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-05-02/09/2019-0.00-1.00m

⚠ Sample "WS-05-02/09/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.6	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82.7	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	25	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	10.9	47.8	mg/kg
8	lead	mg/kg	53	48.3	mg/kg
9	zinc	mg/kg	62	137	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.92	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-05-02/09/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.6	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82.7	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	25	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	10.9	61.9	mg/kg
8	lead	mg/kg	53	86.1	mg/kg
9	zinc	mg/kg	62	197	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.92	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-05-02/09/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.6	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82.7	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	25	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	10.9	54.4	mg/kg
8	lead	mg/kg	53	81.3	mg/kg
9	zinc	mg/kg	62	237	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.92	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-05-02/09/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.6	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82.7	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	25	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	10.9	50.3	mg/kg
8	lead	mg/kg	53	91.4	mg/kg
9	zinc	mg/kg	62	155	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.92	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-05-02/09/2019-0.00-1.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.6	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82.7	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	25	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	10.9	65.7	mg/kg
8	lead	mg/kg	53	109	mg/kg
9	zinc	mg/kg	62	224	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.92	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-05-02/09/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.6	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82.7	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	25	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	10.9	28.2	mg/kg
8	lead	mg/kg	53	108	mg/kg
9	zinc	mg/kg	62	168	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.92	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-05-02/09/2019-0.00-1.00m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.6	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	82.7	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	25	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	10.9	35.7	mg/kg
8	lead	mg/kg	53	61.1	mg/kg
9	zinc	mg/kg	62	122	mg/kg
10	TOC (total organic carbon)	%	0.47	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	0.92	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-05-02/09/2019-1.00-1.70m

Sample "WS-05-02/09/2019-1.00-1.70m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3	15.6	mg/kg
2	cadmium	mg/kg	0.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	11	47.8	mg/kg
8	lead	mg/kg	16	48.3	mg/kg
9	zinc	mg/kg	28	137	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-05-02/09/2019-1.00-1.70m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3	24.9	mg/kg
2	cadmium	mg/kg	0.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	11	61.9	mg/kg
8	lead	mg/kg	16	86.1	mg/kg
9	zinc	mg/kg	28	197	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-05-02/09/2019-1.00-1.70m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3	38.1	mg/kg
2	cadmium	mg/kg	0.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	11	54.4	mg/kg
8	lead	mg/kg	16	81.3	mg/kg
9	zinc	mg/kg	28	237	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-05-02/09/2019-1.00-1.70m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3	32.3	mg/kg
2	cadmium	mg/kg	0.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	11	50.3	mg/kg
8	lead	mg/kg	16	91.4	mg/kg
9	zinc	mg/kg	28	155	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-05-02/09/2019-1.00-1.70m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3	41.5	mg/kg
2	cadmium	mg/kg	0.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	11	65.7	mg/kg
8	lead	mg/kg	16	109	mg/kg
9	zinc	mg/kg	28	224	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-05-02/09/2019-1.00-1.70m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3	85.8	mg/kg
2	cadmium	mg/kg	0.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	11	28.2	mg/kg
8	lead	mg/kg	16	108	mg/kg
9	zinc	mg/kg	28	168	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-05-02/09/2019-1.00-1.70m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3	30.9	mg/kg
2	cadmium	mg/kg	0.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	13	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	11	35.7	mg/kg
8	lead	mg/kg	16	61.1	mg/kg
9	zinc	mg/kg	28	122	mg/kg
10	TOC (total organic carbon)	%	0.11	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-07-30/08/2019-0.00-0.70m

Sample "WS-07-30/08/2019-0.00-0.70m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.8	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	8.1	47.8	mg/kg
8	lead	mg/kg	35	48.3	mg/kg
9	zinc	mg/kg	48	137	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-07-30/08/2019-0.00-0.70m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.8	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	8.1	61.9	mg/kg
8	lead	mg/kg	35	86.1	mg/kg
9	zinc	mg/kg	48	197	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-07-30/08/2019-0.00-0.70m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.8	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	8.1	54.4	mg/kg
8	lead	mg/kg	35	81.3	mg/kg
9	zinc	mg/kg	48	237	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-07-30/08/2019-0.00-0.70m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.8	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	8.1	50.3	mg/kg
8	lead	mg/kg	35	91.4	mg/kg
9	zinc	mg/kg	48	155	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-07-30/08/2019-0.00-0.70m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.8	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	8.1	65.7	mg/kg
8	lead	mg/kg	35	109	mg/kg
9	zinc	mg/kg	48	224	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-07-30/08/2019-0.00-0.70m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.8	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	8.1	28.2	mg/kg
8	lead	mg/kg	35	108	mg/kg
9	zinc	mg/kg	48	168	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-07-30/08/2019-0.00-0.70m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.8	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	12	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	8.1	35.7	mg/kg
8	lead	mg/kg	35	61.1	mg/kg
9	zinc	mg/kg	48	122	mg/kg
10	TOC (total organic carbon)	%	0.32	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-09-30/08/2019-0.00-1.00m

⚠ Sample "WS-09-30/08/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	16.5	15.6	mg/kg
2	cadmium	mg/kg	0.9	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	88	51.2	mg/kg
6	mercury	mg/kg	0.5	0.254	mg/kg
7	nickel	mg/kg	17.1	47.8	mg/kg
8	lead	mg/kg	300	48.3	mg/kg
9	zinc	mg/kg	352	137	mg/kg
10	TOC (total organic carbon)	%	7.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	66.95	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-09-30/08/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	16.5	24.9	mg/kg
2	cadmium	mg/kg	0.9	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	88	63.5	mg/kg
6	mercury	mg/kg	0.5	0.36	mg/kg
7	nickel	mg/kg	17.1	61.9	mg/kg
8	lead	mg/kg	300	86.1	mg/kg
9	zinc	mg/kg	352	197	mg/kg
10	TOC (total organic carbon)	%	7.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	66.95	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-09-30/08/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	16.5	38.1	mg/kg
2	cadmium	mg/kg	0.9	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	88	56.9	mg/kg
6	mercury	mg/kg	0.5	0.457	mg/kg
7	nickel	mg/kg	17.1	54.4	mg/kg
8	lead	mg/kg	300	81.3	mg/kg
9	zinc	mg/kg	352	237	mg/kg
10	TOC (total organic carbon)	%	7.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	66.95	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-09-30/08/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	16.5	32.3	mg/kg
2	cadmium	mg/kg	0.9	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	88	80.4	mg/kg
6	mercury	mg/kg	0.5	0.285	mg/kg
7	nickel	mg/kg	17.1	50.3	mg/kg
8	lead	mg/kg	300	91.4	mg/kg
9	zinc	mg/kg	352	155	mg/kg
10	TOC (total organic carbon)	%	7.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	66.95	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-09-30/08/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	16.5	41.5	mg/kg
2	cadmium	mg/kg	0.9	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	88	77.6	mg/kg
6	mercury	mg/kg	0.5	0.302	mg/kg
7	nickel	mg/kg	17.1	65.7	mg/kg
8	lead	mg/kg	300	109	mg/kg
9	zinc	mg/kg	352	224	mg/kg
10	TOC (total organic carbon)	%	7.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	66.95	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-09-30/08/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	16.5	85.8	mg/kg
2	cadmium	mg/kg	0.9	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	88	40	mg/kg
6	mercury	mg/kg	0.5	0.527	mg/kg
7	nickel	mg/kg	17.1	28.2	mg/kg
8	lead	mg/kg	300	108	mg/kg
9	zinc	mg/kg	352	168	mg/kg
10	TOC (total organic carbon)	%	7.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	66.95	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-09-30/08/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	16.5	30.9	mg/kg
2	cadmium	mg/kg	0.9	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	88	83.1	mg/kg
6	mercury	mg/kg	0.5	0.262	mg/kg
7	nickel	mg/kg	17.1	35.7	mg/kg
8	lead	mg/kg	300	61.1	mg/kg
9	zinc	mg/kg	352	122	mg/kg
10	TOC (total organic carbon)	%	7.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	66.95	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-09-30/08/2019-1.00-1.50m

⚠ Sample "WS-09-30/08/2019-1.00-1.50m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	6.6	15.6	mg/kg
2	cadmium	mg/kg	<0.1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	<1	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	5.6	47.8	mg/kg
8	lead	mg/kg	48	48.3	mg/kg
9	zinc	mg/kg	82	137	mg/kg
10	TOC (total organic carbon)	%	1.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-09-30/08/2019-1.00-1.50m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	6.6	24.9	mg/kg
2	cadmium	mg/kg	<0.1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	<1	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	5.6	61.9	mg/kg
8	lead	mg/kg	48	86.1	mg/kg
9	zinc	mg/kg	82	197	mg/kg
10	TOC (total organic carbon)	%	1.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-09-30/08/2019-1.00-1.50m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	6.6	38.1	mg/kg
2	cadmium	mg/kg	<0.1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	<1	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	5.6	54.4	mg/kg
8	lead	mg/kg	48	81.3	mg/kg
9	zinc	mg/kg	82	237	mg/kg
10	TOC (total organic carbon)	%	1.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-09-30/08/2019-1.00-1.50m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	6.6	32.3	mg/kg
2	cadmium	mg/kg	<0.1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	<1	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	5.6	50.3	mg/kg
8	lead	mg/kg	48	91.4	mg/kg
9	zinc	mg/kg	82	155	mg/kg
10	TOC (total organic carbon)	%	1.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-09-30/08/2019-1.00-1.50m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	6.6	41.5	mg/kg
2	cadmium	mg/kg	<0.1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	<1	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	5.6	65.7	mg/kg
8	lead	mg/kg	48	109	mg/kg
9	zinc	mg/kg	82	224	mg/kg
10	TOC (total organic carbon)	%	1.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-09-30/08/2019-1.00-1.50m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	6.6	85.8	mg/kg
2	cadmium	mg/kg	<0.1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	<1	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	5.6	28.2	mg/kg
8	lead	mg/kg	48	108	mg/kg
9	zinc	mg/kg	82	168	mg/kg
10	TOC (total organic carbon)	%	1.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-09-30/08/2019-1.00-1.50m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	6.6	30.9	mg/kg
2	cadmium	mg/kg	<0.1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	63.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	<1	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	5.6	35.7	mg/kg
8	lead	mg/kg	48	61.1	mg/kg
9	zinc	mg/kg	82	122	mg/kg
10	TOC (total organic carbon)	%	1.85	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-10-29/08/2019-0.00-1.00m

⚠ Sample "WS-10-29/08/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	77.1	15.6	mg/kg
2	cadmium	mg/kg	33.9	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	30.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	293	51.2	mg/kg
6	mercury	mg/kg	1.3	0.254	mg/kg
7	nickel	mg/kg	11	47.8	mg/kg
8	lead	mg/kg	4709	48.3	mg/kg
9	zinc	mg/kg	5015	137	mg/kg
10	TOC (total organic carbon)	%	0.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	117	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-10-29/08/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	77.1	24.9	mg/kg
2	cadmium	mg/kg	33.9	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	30.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	293	63.5	mg/kg
6	mercury	mg/kg	1.3	0.36	mg/kg
7	nickel	mg/kg	11	61.9	mg/kg
8	lead	mg/kg	4709	86.1	mg/kg
9	zinc	mg/kg	5015	197	mg/kg
10	TOC (total organic carbon)	%	0.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	117	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-10-29/08/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	77.1	38.1	mg/kg
2	cadmium	mg/kg	33.9	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	30.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	293	56.9	mg/kg
6	mercury	mg/kg	1.3	0.457	mg/kg
7	nickel	mg/kg	11	54.4	mg/kg
8	lead	mg/kg	4709	81.3	mg/kg
9	zinc	mg/kg	5015	237	mg/kg
10	TOC (total organic carbon)	%	0.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	117	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-10-29/08/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	77.1	32.3	mg/kg
2	cadmium	mg/kg	33.9	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	30.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	293	80.4	mg/kg
6	mercury	mg/kg	1.3	0.285	mg/kg
7	nickel	mg/kg	11	50.3	mg/kg
8	lead	mg/kg	4709	91.4	mg/kg
9	zinc	mg/kg	5015	155	mg/kg
10	TOC (total organic carbon)	%	0.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	117	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-10-29/08/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	77.1	41.5	mg/kg
2	cadmium	mg/kg	33.9	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	30.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	293	77.6	mg/kg
6	mercury	mg/kg	1.3	0.302	mg/kg
7	nickel	mg/kg	11	65.7	mg/kg
8	lead	mg/kg	4709	109	mg/kg
9	zinc	mg/kg	5015	224	mg/kg
10	TOC (total organic carbon)	%	0.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	117	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-10-29/08/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	77.1	85.8	mg/kg
2	cadmium	mg/kg	33.9	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	30.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	293	40	mg/kg
6	mercury	mg/kg	1.3	0.527	mg/kg
7	nickel	mg/kg	11	28.2	mg/kg
8	lead	mg/kg	4709	108	mg/kg
9	zinc	mg/kg	5015	168	mg/kg
10	TOC (total organic carbon)	%	0.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	117	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-10-29/08/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	77.1	30.9	mg/kg
2	cadmium	mg/kg	33.9	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	30.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	293	83.1	mg/kg
6	mercury	mg/kg	1.3	0.262	mg/kg
7	nickel	mg/kg	11	35.7	mg/kg
8	lead	mg/kg	4709	61.1	mg/kg
9	zinc	mg/kg	5015	122	mg/kg
10	TOC (total organic carbon)	%	0.67	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	117	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.45	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-10-29/08/2019-1.00-2.00m

Sample "WS-10-29/08/2019-1.00-2.00m", "Domain 1": Undetermined due to missing values

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	12.2	15.6	mg/kg
2	cadmium	mg/kg	115.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	10.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	111	51.2	mg/kg
6	mercury	mg/kg	0.1	0.254	mg/kg
7	nickel	mg/kg	15.1	47.8	mg/kg
8	lead	mg/kg	684	48.3	mg/kg
9	zinc	mg/kg	10741	137	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.54	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-10-29/08/2019-1.00-2.00m", "Domain 2": Undetermined due to missing values

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	12.2	24.9	mg/kg
2	cadmium	mg/kg	115.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	10.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	111	63.5	mg/kg
6	mercury	mg/kg	0.1	0.36	mg/kg
7	nickel	mg/kg	15.1	61.9	mg/kg
8	lead	mg/kg	684	86.1	mg/kg
9	zinc	mg/kg	10741	197	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.54	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

RECEIVED: 19/09/2025

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-10-29/08/2019-1.00-2.00m", "Domain 3": Undetermined due to missing values

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	12.2	38.1	mg/kg
2	cadmium	mg/kg	115.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	10.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	111	56.9	mg/kg
6	mercury	mg/kg	0.1	0.457	mg/kg
7	nickel	mg/kg	15.1	54.4	mg/kg
8	lead	mg/kg	684	81.3	mg/kg
9	zinc	mg/kg	10741	237	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.54	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-10-29/08/2019-1.00-2.00m", "Domain 4": Undetermined due to missing values

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	12.2	32.3	mg/kg
2	cadmium	mg/kg	115.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	10.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	111	80.4	mg/kg
6	mercury	mg/kg	0.1	0.285	mg/kg
7	nickel	mg/kg	15.1	50.3	mg/kg
8	lead	mg/kg	684	91.4	mg/kg
9	zinc	mg/kg	10741	155	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.54	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-10-29/08/2019-1.00-2.00m", "Domain 5": Undetermined due to missing values

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	12.2	41.5	mg/kg
2	cadmium	mg/kg	115.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	10.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	111	77.6	mg/kg
6	mercury	mg/kg	0.1	0.302	mg/kg
7	nickel	mg/kg	15.1	65.7	mg/kg
8	lead	mg/kg	684	109	mg/kg
9	zinc	mg/kg	10741	224	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.54	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-10-29/08/2019-1.00-2.00m", "Domain 6": Undetermined due to missing values

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	12.2	85.8	mg/kg
2	cadmium	mg/kg	115.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	10.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	111	40	mg/kg
6	mercury	mg/kg	0.1	0.527	mg/kg
7	nickel	mg/kg	15.1	28.2	mg/kg
8	lead	mg/kg	684	108	mg/kg
9	zinc	mg/kg	10741	168	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.54	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-10-29/08/2019-1.00-2.00m", "Domain 7": Undetermined due to missing values

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	12.2	30.9	mg/kg
2	cadmium	mg/kg	115.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	10.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	111	83.1	mg/kg
6	mercury	mg/kg	0.1	0.262	mg/kg
7	nickel	mg/kg	15.1	35.7	mg/kg
8	lead	mg/kg	684	61.1	mg/kg
9	zinc	mg/kg	10741	122	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.54	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-11-03/09/2019-0.00-0.70m

⚠ Sample "WS-11-03/09/2019-0.00-0.70m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	41.2	15.6	mg/kg
2	cadmium	mg/kg	16.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.5	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	175	51.2	mg/kg
6	mercury	mg/kg	0.5	0.254	mg/kg
7	nickel	mg/kg	8.6	47.8	mg/kg
8	lead	mg/kg	3128	48.3	mg/kg
9	zinc	mg/kg	1961	137	mg/kg
10	TOC (total organic carbon)	%	1.56	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	201	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<6.4	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-11-03/09/2019-0.00-0.70m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	41.2	24.9	mg/kg
2	cadmium	mg/kg	16.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.5	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	175	63.5	mg/kg
6	mercury	mg/kg	0.5	0.36	mg/kg
7	nickel	mg/kg	8.6	61.9	mg/kg
8	lead	mg/kg	3128	86.1	mg/kg
9	zinc	mg/kg	1961	197	mg/kg
10	TOC (total organic carbon)	%	1.56	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	201	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<6.4	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-11-03/09/2019-0.00-0.70m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	41.2	38.1	mg/kg
2	cadmium	mg/kg	16.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.5	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	175	56.9	mg/kg
6	mercury	mg/kg	0.5	0.457	mg/kg
7	nickel	mg/kg	8.6	54.4	mg/kg
8	lead	mg/kg	3128	81.3	mg/kg
9	zinc	mg/kg	1961	237	mg/kg
10	TOC (total organic carbon)	%	1.56	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	201	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<6.4	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-11-03/09/2019-0.00-0.70m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	41.2	32.3	mg/kg
2	cadmium	mg/kg	16.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.5	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	175	80.4	mg/kg
6	mercury	mg/kg	0.5	0.285	mg/kg
7	nickel	mg/kg	8.6	50.3	mg/kg
8	lead	mg/kg	3128	91.4	mg/kg
9	zinc	mg/kg	1961	155	mg/kg
10	TOC (total organic carbon)	%	1.56	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	201	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<6.4	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-11-03/09/2019-0.00-0.70m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	41.2	41.5	mg/kg
2	cadmium	mg/kg	16.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.5	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	175	77.6	mg/kg
6	mercury	mg/kg	0.5	0.302	mg/kg
7	nickel	mg/kg	8.6	65.7	mg/kg
8	lead	mg/kg	3128	109	mg/kg
9	zinc	mg/kg	1961	224	mg/kg
10	TOC (total organic carbon)	%	1.56	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	201	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<6.4	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-11-03/09/2019-0.00-0.70m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	41.2	85.8	mg/kg
2	cadmium	mg/kg	16.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.5	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	175	40	mg/kg
6	mercury	mg/kg	0.5	0.527	mg/kg
7	nickel	mg/kg	8.6	28.2	mg/kg
8	lead	mg/kg	3128	108	mg/kg
9	zinc	mg/kg	1961	168	mg/kg
10	TOC (total organic carbon)	%	1.56	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	201	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<6.4	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-11-03/09/2019-0.00-0.70m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	41.2	30.9	mg/kg
2	cadmium	mg/kg	16.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.5	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	175	83.1	mg/kg
6	mercury	mg/kg	0.5	0.262	mg/kg
7	nickel	mg/kg	8.6	35.7	mg/kg
8	lead	mg/kg	3128	61.1	mg/kg
9	zinc	mg/kg	1961	122	mg/kg
10	TOC (total organic carbon)	%	1.56	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	201	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<6.4	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-12-30/08/2019-0.00-1.00m

⚠ Sample "WS-12-30/08/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	4	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.8	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	26	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	15.4	47.8	mg/kg
8	lead	mg/kg	207	48.3	mg/kg
9	zinc	mg/kg	83	137	mg/kg
10	TOC (total organic carbon)	%	2.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.16	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-12-30/08/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	4	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.8	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	26	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	15.4	61.9	mg/kg
8	lead	mg/kg	207	86.1	mg/kg
9	zinc	mg/kg	83	197	mg/kg
10	TOC (total organic carbon)	%	2.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.16	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-12-30/08/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	4	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.8	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	26	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	15.4	54.4	mg/kg
8	lead	mg/kg	207	81.3	mg/kg
9	zinc	mg/kg	83	237	mg/kg
10	TOC (total organic carbon)	%	2.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.16	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-12-30/08/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	4	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.8	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	26	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	15.4	50.3	mg/kg
8	lead	mg/kg	207	91.4	mg/kg
9	zinc	mg/kg	83	155	mg/kg
10	TOC (total organic carbon)	%	2.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.16	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-12-30/08/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	4	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.8	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	26	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	15.4	65.7	mg/kg
8	lead	mg/kg	207	109	mg/kg
9	zinc	mg/kg	83	224	mg/kg
10	TOC (total organic carbon)	%	2.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.16	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-12-30/08/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	4	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.8	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	26	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	15.4	28.2	mg/kg
8	lead	mg/kg	207	108	mg/kg
9	zinc	mg/kg	83	168	mg/kg
10	TOC (total organic carbon)	%	2.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.16	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-12-30/08/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	4	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	41.8	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	26	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	15.4	35.7	mg/kg
8	lead	mg/kg	207	61.1	mg/kg
9	zinc	mg/kg	83	122	mg/kg
10	TOC (total organic carbon)	%	2.16	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.16	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-12-30/08/2019-1.00-2.00m

⚠ Sample "WS-12-30/08/2019-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	4.9	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	11.9	47.8	mg/kg
8	lead	mg/kg	36	48.3	mg/kg
9	zinc	mg/kg	38	137	mg/kg
10	TOC (total organic carbon)	%	0.76	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-12-30/08/2019-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	4.9	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	11.9	61.9	mg/kg
8	lead	mg/kg	36	86.1	mg/kg
9	zinc	mg/kg	38	197	mg/kg
10	TOC (total organic carbon)	%	0.76	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-12-30/08/2019-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	4.9	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	11.9	54.4	mg/kg
8	lead	mg/kg	36	81.3	mg/kg
9	zinc	mg/kg	38	237	mg/kg
10	TOC (total organic carbon)	%	0.76	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-12-30/08/2019-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	4.9	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	11.9	50.3	mg/kg
8	lead	mg/kg	36	91.4	mg/kg
9	zinc	mg/kg	38	155	mg/kg
10	TOC (total organic carbon)	%	0.76	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-12-30/08/2019-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	4.9	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	11.9	65.7	mg/kg
8	lead	mg/kg	36	109	mg/kg
9	zinc	mg/kg	38	224	mg/kg
10	TOC (total organic carbon)	%	0.76	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-12-30/08/2019-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	4.9	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	11.9	28.2	mg/kg
8	lead	mg/kg	36	108	mg/kg
9	zinc	mg/kg	38	168	mg/kg
10	TOC (total organic carbon)	%	0.76	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-12-30/08/2019-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	4.9	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	35.5	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	23	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	11.9	35.7	mg/kg
8	lead	mg/kg	36	61.1	mg/kg
9	zinc	mg/kg	38	122	mg/kg
10	TOC (total organic carbon)	%	0.76	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.2	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-13-03/09/2019-0.00-1.00m

⚠ Sample "WS-13-03/09/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	20.5	15.6	mg/kg
2	cadmium	mg/kg	0.9	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.4	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	152	51.2	mg/kg
6	mercury	mg/kg	1	0.254	mg/kg
7	nickel	mg/kg	19.9	47.8	mg/kg
8	lead	mg/kg	382	48.3	mg/kg
9	zinc	mg/kg	285	137	mg/kg
10	TOC (total organic carbon)	%	8.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	77.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-13-03/09/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	20.5	24.9	mg/kg
2	cadmium	mg/kg	0.9	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.4	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	152	63.5	mg/kg
6	mercury	mg/kg	1	0.36	mg/kg
7	nickel	mg/kg	19.9	61.9	mg/kg
8	lead	mg/kg	382	86.1	mg/kg
9	zinc	mg/kg	285	197	mg/kg
10	TOC (total organic carbon)	%	8.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	77.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-13-03/09/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	20.5	38.1	mg/kg
2	cadmium	mg/kg	0.9	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.4	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	152	56.9	mg/kg
6	mercury	mg/kg	1	0.457	mg/kg
7	nickel	mg/kg	19.9	54.4	mg/kg
8	lead	mg/kg	382	81.3	mg/kg
9	zinc	mg/kg	285	237	mg/kg
10	TOC (total organic carbon)	%	8.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	77.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-13-03/09/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	20.5	32.3	mg/kg
2	cadmium	mg/kg	0.9	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.4	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	152	80.4	mg/kg
6	mercury	mg/kg	1	0.285	mg/kg
7	nickel	mg/kg	19.9	50.3	mg/kg
8	lead	mg/kg	382	91.4	mg/kg
9	zinc	mg/kg	285	155	mg/kg
10	TOC (total organic carbon)	%	8.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	77.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-13-03/09/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	20.5	41.5	mg/kg
2	cadmium	mg/kg	0.9	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.4	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	152	77.6	mg/kg
6	mercury	mg/kg	1	0.302	mg/kg
7	nickel	mg/kg	19.9	65.7	mg/kg
8	lead	mg/kg	382	109	mg/kg
9	zinc	mg/kg	285	224	mg/kg
10	TOC (total organic carbon)	%	8.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	77.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-13-03/09/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	20.5	85.8	mg/kg
2	cadmium	mg/kg	0.9	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.4	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	152	40	mg/kg
6	mercury	mg/kg	1	0.527	mg/kg
7	nickel	mg/kg	19.9	28.2	mg/kg
8	lead	mg/kg	382	108	mg/kg
9	zinc	mg/kg	285	168	mg/kg
10	TOC (total organic carbon)	%	8.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	77.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-13-03/09/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	20.5	30.9	mg/kg
2	cadmium	mg/kg	0.9	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	73.4	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	152	83.1	mg/kg
6	mercury	mg/kg	1	0.262	mg/kg
7	nickel	mg/kg	19.9	35.7	mg/kg
8	lead	mg/kg	382	61.1	mg/kg
9	zinc	mg/kg	285	122	mg/kg
10	TOC (total organic carbon)	%	8.07	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	77.78	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-13-03/09/2019-1.00-2.00m

Sample "WS-13-03/09/2019-1.00-2.00m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.7	15.6	mg/kg
2	cadmium	mg/kg	0.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	69.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	45	51.2	mg/kg
6	mercury	mg/kg	0.3	0.254	mg/kg
7	nickel	mg/kg	12	47.8	mg/kg
8	lead	mg/kg	60	48.3	mg/kg
9	zinc	mg/kg	51	137	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-13-03/09/2019-1.00-2.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.7	24.9	mg/kg
2	cadmium	mg/kg	0.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	69.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	45	63.5	mg/kg
6	mercury	mg/kg	0.3	0.36	mg/kg
7	nickel	mg/kg	12	61.9	mg/kg
8	lead	mg/kg	60	86.1	mg/kg
9	zinc	mg/kg	51	197	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-13-03/09/2019-1.00-2.00m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.7	38.1	mg/kg
2	cadmium	mg/kg	0.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	69.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	45	56.9	mg/kg
6	mercury	mg/kg	0.3	0.457	mg/kg
7	nickel	mg/kg	12	54.4	mg/kg
8	lead	mg/kg	60	81.3	mg/kg
9	zinc	mg/kg	51	237	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-13-03/09/2019-1.00-2.00m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.7	32.3	mg/kg
2	cadmium	mg/kg	0.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	69.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	45	80.4	mg/kg
6	mercury	mg/kg	0.3	0.285	mg/kg
7	nickel	mg/kg	12	50.3	mg/kg
8	lead	mg/kg	60	91.4	mg/kg
9	zinc	mg/kg	51	155	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-13-03/09/2019-1.00-2.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.7	41.5	mg/kg
2	cadmium	mg/kg	0.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	69.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	45	77.6	mg/kg
6	mercury	mg/kg	0.3	0.302	mg/kg
7	nickel	mg/kg	12	65.7	mg/kg
8	lead	mg/kg	60	109	mg/kg
9	zinc	mg/kg	51	224	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-13-03/09/2019-1.00-2.00m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.7	85.8	mg/kg
2	cadmium	mg/kg	0.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	69.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	45	40	mg/kg
6	mercury	mg/kg	0.3	0.527	mg/kg
7	nickel	mg/kg	12	28.2	mg/kg
8	lead	mg/kg	60	108	mg/kg
9	zinc	mg/kg	51	168	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-13-03/09/2019-1.00-2.00m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.7	30.9	mg/kg
2	cadmium	mg/kg	0.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	69.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	45	83.1	mg/kg
6	mercury	mg/kg	0.3	0.262	mg/kg
7	nickel	mg/kg	12	35.7	mg/kg
8	lead	mg/kg	60	61.1	mg/kg
9	zinc	mg/kg	51	122	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-14-28/08/2019-0.00-1.00m

Sample "WS-14-28/08/2019-0.00-1.00m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	1.7	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	7.6	47.8	mg/kg
8	lead	mg/kg	19	48.3	mg/kg
9	zinc	mg/kg	183	137	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	38	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-14-28/08/2019-0.00-1.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	1.7	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	7.6	61.9	mg/kg
8	lead	mg/kg	19	86.1	mg/kg
9	zinc	mg/kg	183	197	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	38	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-14-28/08/2019-0.00-1.00m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	1.7	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	7.6	54.4	mg/kg
8	lead	mg/kg	19	81.3	mg/kg
9	zinc	mg/kg	183	237	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	38	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-14-28/08/2019-0.00-1.00m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	1.7	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	7.6	50.3	mg/kg
8	lead	mg/kg	19	91.4	mg/kg
9	zinc	mg/kg	183	155	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	38	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-14-28/08/2019-0.00-1.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	1.7	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	7.6	65.7	mg/kg
8	lead	mg/kg	19	109	mg/kg
9	zinc	mg/kg	183	224	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	38	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-14-28/08/2019-0.00-1.00m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	1.7	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	7.6	28.2	mg/kg
8	lead	mg/kg	19	108	mg/kg
9	zinc	mg/kg	183	168	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	38	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Sample "WS-14-28/08/2019-0.00-1.00m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	1.7	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	22.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	11	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	7.6	35.7	mg/kg
8	lead	mg/kg	19	61.1	mg/kg
9	zinc	mg/kg	183	122	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	38	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-16-03/09/2019-0.00-1.00m

⚠ Sample "WS-16-03/09/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	79.5	15.6	mg/kg
2	cadmium	mg/kg	18.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	361	51.2	mg/kg
6	mercury	mg/kg	1.5	0.254	mg/kg
7	nickel	mg/kg	15.4	47.8	mg/kg
8	lead	mg/kg	4882	48.3	mg/kg
9	zinc	mg/kg	3042	137	mg/kg
10	TOC (total organic carbon)	%	0.95	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	72	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.5	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-16-03/09/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	79.5	24.9	mg/kg
2	cadmium	mg/kg	18.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	361	63.5	mg/kg
6	mercury	mg/kg	1.5	0.36	mg/kg
7	nickel	mg/kg	15.4	61.9	mg/kg
8	lead	mg/kg	4882	86.1	mg/kg
9	zinc	mg/kg	3042	197	mg/kg
10	TOC (total organic carbon)	%	0.95	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	72	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.5	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-16-03/09/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	79.5	38.1	mg/kg
2	cadmium	mg/kg	18.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	361	56.9	mg/kg
6	mercury	mg/kg	1.5	0.457	mg/kg
7	nickel	mg/kg	15.4	54.4	mg/kg
8	lead	mg/kg	4882	81.3	mg/kg
9	zinc	mg/kg	3042	237	mg/kg
10	TOC (total organic carbon)	%	0.95	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	72	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.5	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-16-03/09/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	79.5	32.3	mg/kg
2	cadmium	mg/kg	18.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	361	80.4	mg/kg
6	mercury	mg/kg	1.5	0.285	mg/kg
7	nickel	mg/kg	15.4	50.3	mg/kg
8	lead	mg/kg	4882	91.4	mg/kg
9	zinc	mg/kg	3042	155	mg/kg
10	TOC (total organic carbon)	%	0.95	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	72	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.5	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-16-03/09/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	79.5	41.5	mg/kg
2	cadmium	mg/kg	18.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	361	77.6	mg/kg
6	mercury	mg/kg	1.5	0.302	mg/kg
7	nickel	mg/kg	15.4	65.7	mg/kg
8	lead	mg/kg	4882	109	mg/kg
9	zinc	mg/kg	3042	224	mg/kg
10	TOC (total organic carbon)	%	0.95	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	72	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.5	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-16-03/09/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	79.5	85.8	mg/kg
2	cadmium	mg/kg	18.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	361	40	mg/kg
6	mercury	mg/kg	1.5	0.527	mg/kg
7	nickel	mg/kg	15.4	28.2	mg/kg
8	lead	mg/kg	4882	108	mg/kg
9	zinc	mg/kg	3042	168	mg/kg
10	TOC (total organic carbon)	%	0.95	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	72	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.5	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-16-03/09/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	79.5	30.9	mg/kg
2	cadmium	mg/kg	18.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	60.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	361	83.1	mg/kg
6	mercury	mg/kg	1.5	0.262	mg/kg
7	nickel	mg/kg	15.4	35.7	mg/kg
8	lead	mg/kg	4882	61.1	mg/kg
9	zinc	mg/kg	3042	122	mg/kg
10	TOC (total organic carbon)	%	0.95	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	72	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.5	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-17-02/09/2019-0.00-1.00m

Sample "WS-17-02/09/2019-0.00-1.00m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.4	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	7.7	47.8	mg/kg
8	lead	mg/kg	11	48.3	mg/kg
9	zinc	mg/kg	45	137	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-17-02/09/2019-0.00-1.00m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.4	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	7.7	61.9	mg/kg
8	lead	mg/kg	11	86.1	mg/kg
9	zinc	mg/kg	45	197	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-17-02/09/2019-0.00-1.00m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.4	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	7.7	54.4	mg/kg
8	lead	mg/kg	11	81.3	mg/kg
9	zinc	mg/kg	45	237	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-17-02/09/2019-0.00-1.00m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.4	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	7.7	50.3	mg/kg
8	lead	mg/kg	11	91.4	mg/kg
9	zinc	mg/kg	45	155	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-17-02/09/2019-0.00-1.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.4	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	7.7	65.7	mg/kg
8	lead	mg/kg	11	109	mg/kg
9	zinc	mg/kg	45	224	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-17-02/09/2019-0.00-1.00m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.4	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	7.7	28.2	mg/kg
8	lead	mg/kg	11	108	mg/kg
9	zinc	mg/kg	45	168	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-17-02/09/2019-0.00-1.00m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.4	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	18.6	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	6	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	7.7	35.7	mg/kg
8	lead	mg/kg	11	61.1	mg/kg
9	zinc	mg/kg	45	122	mg/kg
10	TOC (total organic carbon)	%	0.1	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-18-02/09/2019-0.00-1.00m

Sample "WS-18-02/09/2019-0.00-1.00m", "Domain 1": Undetermined due to missing values

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	24.7	15.6	mg/kg
2	cadmium	mg/kg	15.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	142	51.2	mg/kg
6	mercury	mg/kg	0.6	0.254	mg/kg
7	nickel	mg/kg	13.3	47.8	mg/kg
8	lead	mg/kg	1976	48.3	mg/kg
9	zinc	mg/kg	1791	137	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	108	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	50.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-18-02/09/2019-0.00-1.00m", "Domain 2": Undetermined due to missing values

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	24.7	24.9	mg/kg
2	cadmium	mg/kg	15.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	142	63.5	mg/kg
6	mercury	mg/kg	0.6	0.36	mg/kg
7	nickel	mg/kg	13.3	61.9	mg/kg
8	lead	mg/kg	1976	86.1	mg/kg
9	zinc	mg/kg	1791	197	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	108	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	50.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

RECEIVED: 19/09/2025

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-18-02/09/2019-0.00-1.00m", "Domain 3": Undetermined due to missing values

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	24.7	38.1	mg/kg
2	cadmium	mg/kg	15.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	142	56.9	mg/kg
6	mercury	mg/kg	0.6	0.457	mg/kg
7	nickel	mg/kg	13.3	54.4	mg/kg
8	lead	mg/kg	1976	81.3	mg/kg
9	zinc	mg/kg	1791	237	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	108	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	50.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-18-02/09/2019-0.00-1.00m", "Domain 4": Undetermined due to missing values

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	24.7	32.3	mg/kg
2	cadmium	mg/kg	15.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	142	80.4	mg/kg
6	mercury	mg/kg	0.6	0.285	mg/kg
7	nickel	mg/kg	13.3	50.3	mg/kg
8	lead	mg/kg	1976	91.4	mg/kg
9	zinc	mg/kg	1791	155	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	108	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	50.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-18-02/09/2019-0.00-1.00m", "Domain 5": Undetermined due to missing values

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	24.7	41.5	mg/kg
2	cadmium	mg/kg	15.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	142	77.6	mg/kg
6	mercury	mg/kg	0.6	0.302	mg/kg
7	nickel	mg/kg	13.3	65.7	mg/kg
8	lead	mg/kg	1976	109	mg/kg
9	zinc	mg/kg	1791	224	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	108	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	50.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-18-02/09/2019-0.00-1.00m", "Domain 6": Undetermined due to missing values

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	24.7	85.8	mg/kg
2	cadmium	mg/kg	15.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	142	40	mg/kg
6	mercury	mg/kg	0.6	0.527	mg/kg
7	nickel	mg/kg	13.3	28.2	mg/kg
8	lead	mg/kg	1976	108	mg/kg
9	zinc	mg/kg	1791	168	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	108	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	50.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-18-02/09/2019-0.00-1.00m", "Domain 7": Undetermined due to missing values

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	24.7	30.9	mg/kg
2	cadmium	mg/kg	15.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	16	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	142	83.1	mg/kg
6	mercury	mg/kg	0.6	0.262	mg/kg
7	nickel	mg/kg	13.3	35.7	mg/kg
8	lead	mg/kg	1976	61.1	mg/kg
9	zinc	mg/kg	1791	122	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	108	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	50.08	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-18-02/09/2019-1.00-2.00m

Sample "WS-18-02/09/2019-1.00-2.00m", "Domain 1": Undetermined due to missing values

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	14.7	15.6	mg/kg
2	cadmium	mg/kg	1.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	96	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	13.7	47.8	mg/kg
8	lead	mg/kg	938	48.3	mg/kg
9	zinc	mg/kg	1033	137	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	82.84	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-18-02/09/2019-1.00-2.00m", "Domain 2": Undetermined due to missing values

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	14.7	24.9	mg/kg
2	cadmium	mg/kg	1.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	96	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	13.7	61.9	mg/kg
8	lead	mg/kg	938	86.1	mg/kg
9	zinc	mg/kg	1033	197	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	82.84	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

RECEIVED: 19/09/2025

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-18-02/09/2019-1.00-2.00m", "Domain 3": Undetermined due to missing values

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	14.7	38.1	mg/kg
2	cadmium	mg/kg	1.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	96	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	13.7	54.4	mg/kg
8	lead	mg/kg	938	81.3	mg/kg
9	zinc	mg/kg	1033	237	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	82.84	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-18-02/09/2019-1.00-2.00m", "Domain 4": Undetermined due to missing values

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	14.7	32.3	mg/kg
2	cadmium	mg/kg	1.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	96	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	13.7	50.3	mg/kg
8	lead	mg/kg	938	91.4	mg/kg
9	zinc	mg/kg	1033	155	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	82.84	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-18-02/09/2019-1.00-2.00m", "Domain 5": Undetermined due to missing values

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	14.7	41.5	mg/kg
2	cadmium	mg/kg	1.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	96	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	13.7	65.7	mg/kg
8	lead	mg/kg	938	109	mg/kg
9	zinc	mg/kg	1033	224	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	82.84	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-18-02/09/2019-1.00-2.00m", "Domain 6": Undetermined due to missing values

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	14.7	85.8	mg/kg
2	cadmium	mg/kg	1.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	96	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	13.7	28.2	mg/kg
8	lead	mg/kg	938	108	mg/kg
9	zinc	mg/kg	1033	168	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	82.84	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-18-02/09/2019-1.00-2.00m", "Domain 7": Undetermined due to missing values

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	14.7	30.9	mg/kg
2	cadmium	mg/kg	1.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	96	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	13.7	35.7	mg/kg
8	lead	mg/kg	938	61.1	mg/kg
9	zinc	mg/kg	1033	122	mg/kg
10	TOC (total organic carbon)	%	<	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	191	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	82.84	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	Yes	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Missing determinand value
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-18-02/09/2019-2.00-2.80m

⚠ Sample "WS-18-02/09/2019-2.00-2.80m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	61.9	15.6	mg/kg
2	cadmium	mg/kg	9.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	2146	51.2	mg/kg
6	mercury	mg/kg	0.7	0.254	mg/kg
7	nickel	mg/kg	47.8	47.8	mg/kg
8	lead	mg/kg	956	48.3	mg/kg
9	zinc	mg/kg	2850	137	mg/kg
10	TOC (total organic carbon)	%	20.55	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	819	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	56.17	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-18-02/09/2019-2.00-2.80m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	61.9	24.9	mg/kg
2	cadmium	mg/kg	9.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	2146	63.5	mg/kg
6	mercury	mg/kg	0.7	0.36	mg/kg
7	nickel	mg/kg	47.8	61.9	mg/kg
8	lead	mg/kg	956	86.1	mg/kg
9	zinc	mg/kg	2850	197	mg/kg
10	TOC (total organic carbon)	%	20.55	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	819	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	56.17	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-18-02/09/2019-2.00-2.80m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	61.9	38.1	mg/kg
2	cadmium	mg/kg	9.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	2146	56.9	mg/kg
6	mercury	mg/kg	0.7	0.457	mg/kg
7	nickel	mg/kg	47.8	54.4	mg/kg
8	lead	mg/kg	956	81.3	mg/kg
9	zinc	mg/kg	2850	237	mg/kg
10	TOC (total organic carbon)	%	20.55	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	819	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	56.17	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-18-02/09/2019-2.00-2.80m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	61.9	32.3	mg/kg
2	cadmium	mg/kg	9.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	2146	80.4	mg/kg
6	mercury	mg/kg	0.7	0.285	mg/kg
7	nickel	mg/kg	47.8	50.3	mg/kg
8	lead	mg/kg	956	91.4	mg/kg
9	zinc	mg/kg	2850	155	mg/kg
10	TOC (total organic carbon)	%	20.55	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	819	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	56.17	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-18-02/09/2019-2.00-2.80m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	61.9	41.5	mg/kg
2	cadmium	mg/kg	9.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	2146	77.6	mg/kg
6	mercury	mg/kg	0.7	0.302	mg/kg
7	nickel	mg/kg	47.8	65.7	mg/kg
8	lead	mg/kg	956	109	mg/kg
9	zinc	mg/kg	2850	224	mg/kg
10	TOC (total organic carbon)	%	20.55	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	819	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	56.17	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-18-02/09/2019-2.00-2.80m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	61.9	85.8	mg/kg
2	cadmium	mg/kg	9.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	2146	40	mg/kg
6	mercury	mg/kg	0.7	0.527	mg/kg
7	nickel	mg/kg	47.8	28.2	mg/kg
8	lead	mg/kg	956	108	mg/kg
9	zinc	mg/kg	2850	168	mg/kg
10	TOC (total organic carbon)	%	20.55	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	819	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	56.17	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-18-02/09/2019-2.00-2.80m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	61.9	30.9	mg/kg
2	cadmium	mg/kg	9.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	2146	83.1	mg/kg
6	mercury	mg/kg	0.7	0.262	mg/kg
7	nickel	mg/kg	47.8	35.7	mg/kg
8	lead	mg/kg	956	61.1	mg/kg
9	zinc	mg/kg	2850	122	mg/kg
10	TOC (total organic carbon)	%	20.55	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	819	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	56.17	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.175	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-19-03/09/2019-0.00-1.00m

⚠ Sample "WS-19-03/09/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.1	15.6	mg/kg
2	cadmium	mg/kg	0.7	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.7	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	9.3	47.8	mg/kg
8	lead	mg/kg	30	48.3	mg/kg
9	zinc	mg/kg	49	137	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	34	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.23	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-19-03/09/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.1	24.9	mg/kg
2	cadmium	mg/kg	0.7	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.7	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	9.3	61.9	mg/kg
8	lead	mg/kg	30	86.1	mg/kg
9	zinc	mg/kg	49	197	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	34	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.23	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-19-03/09/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.1	38.1	mg/kg
2	cadmium	mg/kg	0.7	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.7	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	9.3	54.4	mg/kg
8	lead	mg/kg	30	81.3	mg/kg
9	zinc	mg/kg	49	237	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	34	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.23	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-19-03/09/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.1	32.3	mg/kg
2	cadmium	mg/kg	0.7	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.7	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	9.3	50.3	mg/kg
8	lead	mg/kg	30	91.4	mg/kg
9	zinc	mg/kg	49	155	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	34	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.23	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-19-03/09/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.1	41.5	mg/kg
2	cadmium	mg/kg	0.7	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.7	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	9.3	65.7	mg/kg
8	lead	mg/kg	30	109	mg/kg
9	zinc	mg/kg	49	224	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	34	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.23	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-19-03/09/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.1	85.8	mg/kg
2	cadmium	mg/kg	0.7	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.7	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	9.3	28.2	mg/kg
8	lead	mg/kg	30	108	mg/kg
9	zinc	mg/kg	49	168	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	34	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.23	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-19-03/09/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.1	30.9	mg/kg
2	cadmium	mg/kg	0.7	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	19.7	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	16	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	9.3	35.7	mg/kg
8	lead	mg/kg	30	61.1	mg/kg
9	zinc	mg/kg	49	122	mg/kg
10	TOC (total organic carbon)	%	0.44	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	34	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	6.23	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-19-03/09/2019-1.00-1.60m

⚠ Sample "WS-19-03/09/2019-1.00-1.60m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.6	15.6	mg/kg
2	cadmium	mg/kg	0.7	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77.2	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	18.1	47.8	mg/kg
8	lead	mg/kg	47	48.3	mg/kg
9	zinc	mg/kg	82	137	mg/kg
10	TOC (total organic carbon)	%	0.7	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-19-03/09/2019-1.00-1.60m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.6	24.9	mg/kg
2	cadmium	mg/kg	0.7	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77.2	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	18.1	61.9	mg/kg
8	lead	mg/kg	47	86.1	mg/kg
9	zinc	mg/kg	82	197	mg/kg
10	TOC (total organic carbon)	%	0.7	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-19-03/09/2019-1.00-1.60m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.6	38.1	mg/kg
2	cadmium	mg/kg	0.7	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77.2	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	18.1	54.4	mg/kg
8	lead	mg/kg	47	81.3	mg/kg
9	zinc	mg/kg	82	237	mg/kg
10	TOC (total organic carbon)	%	0.7	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-19-03/09/2019-1.00-1.60m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.6	32.3	mg/kg
2	cadmium	mg/kg	0.7	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77.2	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	18.1	50.3	mg/kg
8	lead	mg/kg	47	91.4	mg/kg
9	zinc	mg/kg	82	155	mg/kg
10	TOC (total organic carbon)	%	0.7	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-19-03/09/2019-1.00-1.60m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.6	41.5	mg/kg
2	cadmium	mg/kg	0.7	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77.2	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	18.1	65.7	mg/kg
8	lead	mg/kg	47	109	mg/kg
9	zinc	mg/kg	82	224	mg/kg
10	TOC (total organic carbon)	%	0.7	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-19-03/09/2019-1.00-1.60m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.6	85.8	mg/kg
2	cadmium	mg/kg	0.7	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77.2	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	18.1	28.2	mg/kg
8	lead	mg/kg	47	108	mg/kg
9	zinc	mg/kg	82	168	mg/kg
10	TOC (total organic carbon)	%	0.7	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-19-03/09/2019-1.00-1.60m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.6	30.9	mg/kg
2	cadmium	mg/kg	0.7	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	77.2	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	37	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	18.1	35.7	mg/kg
8	lead	mg/kg	47	61.1	mg/kg
9	zinc	mg/kg	82	122	mg/kg
10	TOC (total organic carbon)	%	0.7	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	10.57	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-20-29/08/2019-0.00-1.00m

⚠ Sample "WS-20-29/08/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	3.5	15.6	mg/kg
2	cadmium	mg/kg	0.6	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.1	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	51.2	mg/kg
6	mercury	mg/kg	0.2	0.254	mg/kg
7	nickel	mg/kg	13.2	47.8	mg/kg
8	lead	mg/kg	72	48.3	mg/kg
9	zinc	mg/kg	1070	137	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-20-29/08/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	3.5	24.9	mg/kg
2	cadmium	mg/kg	0.6	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.1	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	63.5	mg/kg
6	mercury	mg/kg	0.2	0.36	mg/kg
7	nickel	mg/kg	13.2	61.9	mg/kg
8	lead	mg/kg	72	86.1	mg/kg
9	zinc	mg/kg	1070	197	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-20-29/08/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	3.5	38.1	mg/kg
2	cadmium	mg/kg	0.6	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.1	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	56.9	mg/kg
6	mercury	mg/kg	0.2	0.457	mg/kg
7	nickel	mg/kg	13.2	54.4	mg/kg
8	lead	mg/kg	72	81.3	mg/kg
9	zinc	mg/kg	1070	237	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-20-29/08/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	3.5	32.3	mg/kg
2	cadmium	mg/kg	0.6	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.1	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	80.4	mg/kg
6	mercury	mg/kg	0.2	0.285	mg/kg
7	nickel	mg/kg	13.2	50.3	mg/kg
8	lead	mg/kg	72	91.4	mg/kg
9	zinc	mg/kg	1070	155	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-20-29/08/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	3.5	41.5	mg/kg
2	cadmium	mg/kg	0.6	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.1	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	77.6	mg/kg
6	mercury	mg/kg	0.2	0.302	mg/kg
7	nickel	mg/kg	13.2	65.7	mg/kg
8	lead	mg/kg	72	109	mg/kg
9	zinc	mg/kg	1070	224	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-20-29/08/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	3.5	85.8	mg/kg
2	cadmium	mg/kg	0.6	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.1	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	40	mg/kg
6	mercury	mg/kg	0.2	0.527	mg/kg
7	nickel	mg/kg	13.2	28.2	mg/kg
8	lead	mg/kg	72	108	mg/kg
9	zinc	mg/kg	1070	168	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-20-29/08/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	3.5	30.9	mg/kg
2	cadmium	mg/kg	0.6	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	32.1	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	36	83.1	mg/kg
6	mercury	mg/kg	0.2	0.262	mg/kg
7	nickel	mg/kg	13.2	35.7	mg/kg
8	lead	mg/kg	72	61.1	mg/kg
9	zinc	mg/kg	1070	122	mg/kg
10	TOC (total organic carbon)	%	0.26	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-21-29/08/2019-0.00-1.00m

⚠ Sample "WS-21-29/08/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5	15.6	mg/kg
2	cadmium	mg/kg	0.4	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.5	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	24	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	12.9	47.8	mg/kg
8	lead	mg/kg	69	48.3	mg/kg
9	zinc	mg/kg	57	137	mg/kg
10	TOC (total organic carbon)	%	1.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5	24.9	mg/kg
2	cadmium	mg/kg	0.4	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.5	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	24	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	12.9	61.9	mg/kg
8	lead	mg/kg	69	86.1	mg/kg
9	zinc	mg/kg	57	197	mg/kg
10	TOC (total organic carbon)	%	1.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5	38.1	mg/kg
2	cadmium	mg/kg	0.4	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.5	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	24	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	12.9	54.4	mg/kg
8	lead	mg/kg	69	81.3	mg/kg
9	zinc	mg/kg	57	237	mg/kg
10	TOC (total organic carbon)	%	1.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5	32.3	mg/kg
2	cadmium	mg/kg	0.4	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.5	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	24	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	12.9	50.3	mg/kg
8	lead	mg/kg	69	91.4	mg/kg
9	zinc	mg/kg	57	155	mg/kg
10	TOC (total organic carbon)	%	1.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5	41.5	mg/kg
2	cadmium	mg/kg	0.4	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.5	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	24	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	12.9	65.7	mg/kg
8	lead	mg/kg	69	109	mg/kg
9	zinc	mg/kg	57	224	mg/kg
10	TOC (total organic carbon)	%	1.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5	85.8	mg/kg
2	cadmium	mg/kg	0.4	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.5	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	24	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	12.9	28.2	mg/kg
8	lead	mg/kg	69	108	mg/kg
9	zinc	mg/kg	57	168	mg/kg
10	TOC (total organic carbon)	%	1.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5	30.9	mg/kg
2	cadmium	mg/kg	0.4	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	57.5	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	24	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	12.9	35.7	mg/kg
8	lead	mg/kg	69	61.1	mg/kg
9	zinc	mg/kg	57	122	mg/kg
10	TOC (total organic carbon)	%	1.09	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	7.71	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-21-29/08/2019-1.00-2.00m

⚠ Sample "WS-21-29/08/2019-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	7.4	15.6	mg/kg
2	cadmium	mg/kg	0.9	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	46	51.2	mg/kg
6	mercury	mg/kg	0.1	0.254	mg/kg
7	nickel	mg/kg	19.7	47.8	mg/kg
8	lead	mg/kg	395	48.3	mg/kg
9	zinc	mg/kg	275	137	mg/kg
10	TOC (total organic carbon)	%	2.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.12	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	7.4	24.9	mg/kg
2	cadmium	mg/kg	0.9	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	46	63.5	mg/kg
6	mercury	mg/kg	0.1	0.36	mg/kg
7	nickel	mg/kg	19.7	61.9	mg/kg
8	lead	mg/kg	395	86.1	mg/kg
9	zinc	mg/kg	275	197	mg/kg
10	TOC (total organic carbon)	%	2.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.12	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	7.4	38.1	mg/kg
2	cadmium	mg/kg	0.9	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	46	56.9	mg/kg
6	mercury	mg/kg	0.1	0.457	mg/kg
7	nickel	mg/kg	19.7	54.4	mg/kg
8	lead	mg/kg	395	81.3	mg/kg
9	zinc	mg/kg	275	237	mg/kg
10	TOC (total organic carbon)	%	2.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.12	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	7.4	32.3	mg/kg
2	cadmium	mg/kg	0.9	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	46	80.4	mg/kg
6	mercury	mg/kg	0.1	0.285	mg/kg
7	nickel	mg/kg	19.7	50.3	mg/kg
8	lead	mg/kg	395	91.4	mg/kg
9	zinc	mg/kg	275	155	mg/kg
10	TOC (total organic carbon)	%	2.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.12	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	7.4	41.5	mg/kg
2	cadmium	mg/kg	0.9	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	46	77.6	mg/kg
6	mercury	mg/kg	0.1	0.302	mg/kg
7	nickel	mg/kg	19.7	65.7	mg/kg
8	lead	mg/kg	395	109	mg/kg
9	zinc	mg/kg	275	224	mg/kg
10	TOC (total organic carbon)	%	2.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.12	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	7.4	85.8	mg/kg
2	cadmium	mg/kg	0.9	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	46	40	mg/kg
6	mercury	mg/kg	0.1	0.527	mg/kg
7	nickel	mg/kg	19.7	28.2	mg/kg
8	lead	mg/kg	395	108	mg/kg
9	zinc	mg/kg	275	168	mg/kg
10	TOC (total organic carbon)	%	2.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.12	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	7.4	30.9	mg/kg
2	cadmium	mg/kg	0.9	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	79.3	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	46	83.1	mg/kg
6	mercury	mg/kg	0.1	0.262	mg/kg
7	nickel	mg/kg	19.7	35.7	mg/kg
8	lead	mg/kg	395	61.1	mg/kg
9	zinc	mg/kg	275	122	mg/kg
10	TOC (total organic carbon)	%	2.78	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	3.12	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-21-29/08/2019-2.00-3.00m

⚠ Sample "WS-21-29/08/2019-2.00-3.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5.4	15.6	mg/kg
2	cadmium	mg/kg	1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	88.6	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	21.3	47.8	mg/kg
8	lead	mg/kg	21	48.3	mg/kg
9	zinc	mg/kg	52	137	mg/kg
10	TOC (total organic carbon)	%	0.68	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-2.00-3.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5.4	24.9	mg/kg
2	cadmium	mg/kg	1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	88.6	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	21.3	61.9	mg/kg
8	lead	mg/kg	21	86.1	mg/kg
9	zinc	mg/kg	52	197	mg/kg
10	TOC (total organic carbon)	%	0.68	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-2.00-3.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5.4	38.1	mg/kg
2	cadmium	mg/kg	1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	88.6	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	21.3	54.4	mg/kg
8	lead	mg/kg	21	81.3	mg/kg
9	zinc	mg/kg	52	237	mg/kg
10	TOC (total organic carbon)	%	0.68	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-2.00-3.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5.4	32.3	mg/kg
2	cadmium	mg/kg	1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	88.6	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	21.3	50.3	mg/kg
8	lead	mg/kg	21	91.4	mg/kg
9	zinc	mg/kg	52	155	mg/kg
10	TOC (total organic carbon)	%	0.68	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Sample "WS-21-29/08/2019-2.00-3.00m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5.4	41.5	mg/kg
2	cadmium	mg/kg	1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	88.6	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	21.3	65.7	mg/kg
8	lead	mg/kg	21	109	mg/kg
9	zinc	mg/kg	52	224	mg/kg
10	TOC (total organic carbon)	%	0.68	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-21-29/08/2019-2.00-3.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5.4	85.8	mg/kg
2	cadmium	mg/kg	1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	88.6	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	21.3	28.2	mg/kg
8	lead	mg/kg	21	108	mg/kg
9	zinc	mg/kg	52	168	mg/kg
10	TOC (total organic carbon)	%	0.68	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level
	"For metals, the analytical results for up to three parameters [...] may exceed the respective maximum concentration and/or soil trigger level. However, no individual result should exceed 1.5 times the respective maximum concentration and/or soil trigger level."

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-2.00-3.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5.4	30.9	mg/kg
2	cadmium	mg/kg	1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	88.6	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	19	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	21.3	35.7	mg/kg
8	lead	mg/kg	21	61.1	mg/kg
9	zinc	mg/kg	52	122	mg/kg
10	TOC (total organic carbon)	%	0.68	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-21-29/08/2019-3.00-4.00m

⚠ Sample "WS-21-29/08/2019-3.00-4.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5.3	15.6	mg/kg
2	cadmium	mg/kg	0.8	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75.1	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	22.8	47.8	mg/kg
8	lead	mg/kg	46	48.3	mg/kg
9	zinc	mg/kg	76	137	mg/kg
10	TOC (total organic carbon)	%	0.72	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	105	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.22	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-3.00-4.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5.3	24.9	mg/kg
2	cadmium	mg/kg	0.8	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75.1	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	22.8	61.9	mg/kg
8	lead	mg/kg	46	86.1	mg/kg
9	zinc	mg/kg	76	197	mg/kg
10	TOC (total organic carbon)	%	0.72	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	105	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.22	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-3.00-4.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5.3	38.1	mg/kg
2	cadmium	mg/kg	0.8	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75.1	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	22.8	54.4	mg/kg
8	lead	mg/kg	46	81.3	mg/kg
9	zinc	mg/kg	76	237	mg/kg
10	TOC (total organic carbon)	%	0.72	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	105	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.22	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-3.00-4.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5.3	32.3	mg/kg
2	cadmium	mg/kg	0.8	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75.1	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	22.8	50.3	mg/kg
8	lead	mg/kg	46	91.4	mg/kg
9	zinc	mg/kg	76	155	mg/kg
10	TOC (total organic carbon)	%	0.72	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	105	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.22	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-3.00-4.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5.3	41.5	mg/kg
2	cadmium	mg/kg	0.8	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75.1	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	22.8	65.7	mg/kg
8	lead	mg/kg	46	109	mg/kg
9	zinc	mg/kg	76	224	mg/kg
10	TOC (total organic carbon)	%	0.72	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	105	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.22	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-21-29/08/2019-3.00-4.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5.3	85.8	mg/kg
2	cadmium	mg/kg	0.8	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75.1	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	22.8	28.2	mg/kg
8	lead	mg/kg	46	108	mg/kg
9	zinc	mg/kg	76	168	mg/kg
10	TOC (total organic carbon)	%	0.72	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	105	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.22	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-21-29/08/2019-3.00-4.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5.3	30.9	mg/kg
2	cadmium	mg/kg	0.8	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	75.1	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	21	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	22.8	35.7	mg/kg
8	lead	mg/kg	46	61.1	mg/kg
9	zinc	mg/kg	76	122	mg/kg
10	TOC (total organic carbon)	%	0.72	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	105	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	1.22	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-22-29/08/2019-0.00-1.00m

⚠ Sample "WS-22-29/08/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	6.6	15.6	mg/kg
2	cadmium	mg/kg	1.1	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	50.7	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	41	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	10.9	47.8	mg/kg
8	lead	mg/kg	155	48.3	mg/kg
9	zinc	mg/kg	192	137	mg/kg
10	TOC (total organic carbon)	%	0.62	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-22-29/08/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	6.6	24.9	mg/kg
2	cadmium	mg/kg	1.1	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	50.7	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	41	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	10.9	61.9	mg/kg
8	lead	mg/kg	155	86.1	mg/kg
9	zinc	mg/kg	192	197	mg/kg
10	TOC (total organic carbon)	%	0.62	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-22-29/08/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	6.6	38.1	mg/kg
2	cadmium	mg/kg	1.1	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	50.7	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	41	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	10.9	54.4	mg/kg
8	lead	mg/kg	155	81.3	mg/kg
9	zinc	mg/kg	192	237	mg/kg
10	TOC (total organic carbon)	%	0.62	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-22-29/08/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	6.6	32.3	mg/kg
2	cadmium	mg/kg	1.1	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	50.7	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	41	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	10.9	50.3	mg/kg
8	lead	mg/kg	155	91.4	mg/kg
9	zinc	mg/kg	192	155	mg/kg
10	TOC (total organic carbon)	%	0.62	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-22-29/08/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	6.6	41.5	mg/kg
2	cadmium	mg/kg	1.1	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	50.7	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	41	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	10.9	65.7	mg/kg
8	lead	mg/kg	155	109	mg/kg
9	zinc	mg/kg	192	224	mg/kg
10	TOC (total organic carbon)	%	0.62	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-22-29/08/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	6.6	85.8	mg/kg
2	cadmium	mg/kg	1.1	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	50.7	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	41	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	10.9	28.2	mg/kg
8	lead	mg/kg	155	108	mg/kg
9	zinc	mg/kg	192	168	mg/kg
10	TOC (total organic carbon)	%	0.62	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-22-29/08/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	6.6	30.9	mg/kg
2	cadmium	mg/kg	1.1	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	50.7	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	41	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	10.9	35.7	mg/kg
8	lead	mg/kg	155	61.1	mg/kg
9	zinc	mg/kg	192	122	mg/kg
10	TOC (total organic carbon)	%	0.62	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	2.91	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-23-02/09/2019-0.00-1.00m

⚠ Sample "WS-23-02/09/2019-0.00-1.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	5.4	15.6	mg/kg
2	cadmium	mg/kg	3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	71.4	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	48	51.2	mg/kg
6	mercury	mg/kg	0.2	0.254	mg/kg
7	nickel	mg/kg	14	47.8	mg/kg
8	lead	mg/kg	264	48.3	mg/kg
9	zinc	mg/kg	309	137	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.05	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-23-02/09/2019-0.00-1.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	5.4	24.9	mg/kg
2	cadmium	mg/kg	3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	71.4	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	48	63.5	mg/kg
6	mercury	mg/kg	0.2	0.36	mg/kg
7	nickel	mg/kg	14	61.9	mg/kg
8	lead	mg/kg	264	86.1	mg/kg
9	zinc	mg/kg	309	197	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.05	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-23-02/09/2019-0.00-1.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	5.4	38.1	mg/kg
2	cadmium	mg/kg	3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	71.4	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	48	56.9	mg/kg
6	mercury	mg/kg	0.2	0.457	mg/kg
7	nickel	mg/kg	14	54.4	mg/kg
8	lead	mg/kg	264	81.3	mg/kg
9	zinc	mg/kg	309	237	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.05	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-23-02/09/2019-0.00-1.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	5.4	32.3	mg/kg
2	cadmium	mg/kg	3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	71.4	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	48	80.4	mg/kg
6	mercury	mg/kg	0.2	0.285	mg/kg
7	nickel	mg/kg	14	50.3	mg/kg
8	lead	mg/kg	264	91.4	mg/kg
9	zinc	mg/kg	309	155	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.05	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-23-02/09/2019-0.00-1.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	5.4	41.5	mg/kg
2	cadmium	mg/kg	3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	71.4	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	48	77.6	mg/kg
6	mercury	mg/kg	0.2	0.302	mg/kg
7	nickel	mg/kg	14	65.7	mg/kg
8	lead	mg/kg	264	109	mg/kg
9	zinc	mg/kg	309	224	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.05	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-23-02/09/2019-0.00-1.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	5.4	85.8	mg/kg
2	cadmium	mg/kg	3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	71.4	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	48	40	mg/kg
6	mercury	mg/kg	0.2	0.527	mg/kg
7	nickel	mg/kg	14	28.2	mg/kg
8	lead	mg/kg	264	108	mg/kg
9	zinc	mg/kg	309	168	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.05	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-23-02/09/2019-0.00-1.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	5.4	30.9	mg/kg
2	cadmium	mg/kg	3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	71.4	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	48	83.1	mg/kg
6	mercury	mg/kg	0.2	0.262	mg/kg
7	nickel	mg/kg	14	35.7	mg/kg
8	lead	mg/kg	264	61.1	mg/kg
9	zinc	mg/kg	309	122	mg/kg
10	TOC (total organic carbon)	%	1.51	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	4.05	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-23-02/09/2019-1.00-2.00m

⚠ Sample "WS-23-02/09/2019-1.00-2.00m" fails the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.7	15.6	mg/kg
2	cadmium	mg/kg	0.3	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	131.9	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	47	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	24.2	47.8	mg/kg
8	lead	mg/kg	61	48.3	mg/kg
9	zinc	mg/kg	89	137	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.56	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-23-02/09/2019-1.00-2.00m" fails the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.7	24.9	mg/kg
2	cadmium	mg/kg	0.3	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	131.9	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	47	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	24.2	61.9	mg/kg
8	lead	mg/kg	61	86.1	mg/kg
9	zinc	mg/kg	89	197	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.56	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-23-02/09/2019-1.00-2.00m" fails the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.7	38.1	mg/kg
2	cadmium	mg/kg	0.3	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	131.9	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	47	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	24.2	54.4	mg/kg
8	lead	mg/kg	61	81.3	mg/kg
9	zinc	mg/kg	89	237	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.56	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-23-02/09/2019-1.00-2.00m" fails the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.7	32.3	mg/kg
2	cadmium	mg/kg	0.3	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	131.9	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	47	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	24.2	50.3	mg/kg
8	lead	mg/kg	61	91.4	mg/kg
9	zinc	mg/kg	89	155	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.56	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-23-02/09/2019-1.00-2.00m" fails the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.7	41.5	mg/kg
2	cadmium	mg/kg	0.3	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	131.9	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	47	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	24.2	65.7	mg/kg
8	lead	mg/kg	61	109	mg/kg
9	zinc	mg/kg	89	224	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.56	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

⚠ Sample "WS-23-02/09/2019-1.00-2.00m" fails the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.7	85.8	mg/kg
2	cadmium	mg/kg	0.3	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	131.9	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	47	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	24.2	28.2	mg/kg
8	lead	mg/kg	61	108	mg/kg
9	zinc	mg/kg	89	168	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.56	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

⚠ Sample "WS-23-02/09/2019-1.00-2.00m" fails the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.7	30.9	mg/kg
2	cadmium	mg/kg	0.3	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	131.9	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	47	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	24.2	35.7	mg/kg
8	lead	mg/kg	61	61.1	mg/kg
9	zinc	mg/kg	89	122	mg/kg
10	TOC (total organic carbon)	%	0.84	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	5.56	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

	User supplied data
	Value above the screening limit/trigger level

RECEIVED: 19/09/2025

Soil Recovery Sites Screening results for sample: WS-24-02/09/2019-0.00-0.50m

Sample "WS-24-02/09/2019-0.00-0.50m" passes the "Domain 1" limits

#	Determinand		User entered data	Domain 1 Limit	
1	arsenic	mg/kg	2.9	15.6	mg/kg
2	cadmium	mg/kg	0.5	1.5	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.6	51.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	51.2	mg/kg
6	mercury	mg/kg	<0.1	0.254	mg/kg
7	nickel	mg/kg	12.3	47.8	mg/kg
8	lead	mg/kg	5	48.3	mg/kg
9	zinc	mg/kg	13	137	mg/kg
10	TOC (total organic carbon)	%	0.21	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-24-02/09/2019-0.00-0.50m" passes the "Domain 2" limits

#	Determinand		User entered data	Domain 2 Limit	
1	arsenic	mg/kg	2.9	24.9	mg/kg
2	cadmium	mg/kg	0.5	3.28	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.6	50.3	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	63.5	mg/kg
6	mercury	mg/kg	<0.1	0.36	mg/kg
7	nickel	mg/kg	12.3	61.9	mg/kg
8	lead	mg/kg	5	86.1	mg/kg
9	zinc	mg/kg	13	197	mg/kg
10	TOC (total organic carbon)	%	0.21	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-24-02/09/2019-0.00-0.50m" passes the "Domain 3" limits

#	Determinand		User entered data	Domain 3 Limit	
1	arsenic	mg/kg	2.9	38.1	mg/kg
2	cadmium	mg/kg	0.5	1.6	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.6	47.5	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	56.9	mg/kg
6	mercury	mg/kg	<0.1	0.457	mg/kg
7	nickel	mg/kg	12.3	54.4	mg/kg
8	lead	mg/kg	5	81.3	mg/kg
9	zinc	mg/kg	13	237	mg/kg
10	TOC (total organic carbon)	%	0.21	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-24-02/09/2019-0.00-0.50m" passes the "Domain 4" limits

#	Determinand		User entered data	Domain 4 Limit	
1	arsenic	mg/kg	2.9	32.3	mg/kg
2	cadmium	mg/kg	0.5	0.97	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.6	51.7	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	80.4	mg/kg
6	mercury	mg/kg	<0.1	0.285	mg/kg
7	nickel	mg/kg	12.3	50.3	mg/kg
8	lead	mg/kg	5	91.4	mg/kg
9	zinc	mg/kg	13	155	mg/kg
10	TOC (total organic carbon)	%	0.21	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-24-02/09/2019-0.00-0.50m" passes the "Domain 5" limits

#	Determinand		User entered data	Domain 5 Limit	
1	arsenic	mg/kg	2.9	41.5	mg/kg
2	cadmium	mg/kg	0.5	1.42	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.6	73.2	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	77.6	mg/kg
6	mercury	mg/kg	<0.1	0.302	mg/kg
7	nickel	mg/kg	12.3	65.7	mg/kg
8	lead	mg/kg	5	109	mg/kg
9	zinc	mg/kg	13	224	mg/kg
10	TOC (total organic carbon)	%	0.21	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Sample "WS-24-02/09/2019-0.00-0.50m" passes the "Domain 6" limits

#	Determinand		User entered data	Domain 6 Limit	
1	arsenic	mg/kg	2.9	85.8	mg/kg
2	cadmium	mg/kg	0.5	2.38	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.6	54	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	40	mg/kg
6	mercury	mg/kg	<0.1	0.527	mg/kg
7	nickel	mg/kg	12.3	28.2	mg/kg
8	lead	mg/kg	5	108	mg/kg
9	zinc	mg/kg	13	168	mg/kg
10	TOC (total organic carbon)	%	0.21	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

RECEIVED: 19/09/2025

Sample "WS-24-02/09/2019-0.00-0.50m" passes the "Domain 7" limits

#	Determinand		User entered data	Domain 7 Limit	
1	arsenic	mg/kg	2.9	30.9	mg/kg
2	cadmium	mg/kg	0.5	0.542	mg/kg
3	chromium in Cr(III) compounds	mg/kg	25.6	57.6	mg/kg
4	chromium in Cr(VI) compounds	mg/kg	<0.3		
5	copper	mg/kg	8	83.1	mg/kg
6	mercury	mg/kg	<0.1	0.262	mg/kg
7	nickel	mg/kg	12.3	35.7	mg/kg
8	lead	mg/kg	5	61.1	mg/kg
9	zinc	mg/kg	13	122	mg/kg
10	TOC (total organic carbon)	%	0.21	3	%
11	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.025	0.05	mg/kg
12	Mineral oil (C10 to C40)	mg/kg	<30	50	mg/kg
13	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<0.64	1	mg/kg
14	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.035	0.05	mg/kg
15	asbestos fibres detected (Yes/No)	n/a	No	No	n/a
16	< 2% non-natural materials (Yes/No)	n/a	Yes	Yes	n/a

Key

User supplied data

Screening utilises the following:

EPA Ireland: Guidance on waste acceptance criteria at authorised soil recovery facilities - January 2020

Appendix 7-1

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GALWAY PORT LRD

Water Framework Directive Assessment

The Land Development Agency

Report no.: 1.0, Rev. 1.0
Document no.: 1.0
Date: 02/09/2025

RECEIVED: 19/09/2025

Project name:	Galway Port LRD	Synergy Environmental Limited
Report title:	Water Framework Directive Assessment	T/A DNV
Customer:	The Land Development Agency,	3D Core C, Block 71, The Plaza, Park
Customer contact:	Niall O'Bryne	West, Dublin 12, D12F9TN
Date of issue:	02/09/2025	Tel: +1 503 222 5590
Organisation unit:	Contaminated Land & Water	485440
Report no.:	1.0, Rev. 1.0	

Applicable contract(s) governing the provision of this Report:
DNV Short Form Agreement

Objective:
Water Framework Directive Assessment

Prepared by:	Verified by:	Approved by:
Nuria Manzanas Principal Consultant	Warren Vokes Senior Consultant	Patrick Higgins Technical Director

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Keywords: Water Framework Directive Assessment

Rev. no.	Date	Reason for issue	Prepared by	Verified by	Approved by
1	2025-09-02	Final issue	Nuria Manzanas	Warren Vokes	Patrick Higgins

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1 INTRODUCTION

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DNV was commissioned by Altu Architects, on behalf of the Land Development Agency (LDA) (the Applicant) to undertake a Water Framework Directive (WFD) Assessment in support of a proposed Large-scale Residential Development (LRD) (hereafter referred to as the 'Proposed Development') at Galway Port at Dock Road and Lough Atalia Road, Galway City (hereafter referred to as the 'site').

This report presents the findings of the WFD Assessment for the site and Proposed Development.

1.1 Project Objective

The overall objective of this WFD assessment is to determine if any specific components or activities associated with the Proposed Development will compromise WFD Article 4 objectives, cause a deterioration in the status of any surface water or groundwater body and/or jeopardise the attainment of good surface water or groundwater status.

This assessment also aims to identify any waterbodies with the potential to be impacted, describe the proposed mitigation measures if required and define any residual potential impacts.

1.2 Project Scope of Work

The scope of this WFD assessment included the following tasks in line with WFD Common Implementation Strategy (CIS) Guidance:

- Screening for Potential Effects - Determine whether the Proposed Development could have any direct or indirect effect on the different quality elements relevant to the WFD;
- Scoping of Further Investigations - Outline the information required to determine the significance of any effect on the relevant quality elements; and,
- Data Collection and Assessment - Assess whether any effect could cause deterioration or compromise the status/potential status of a water body.

This assessment is reliant on the design information for the Proposed Development provided by the Applicant.

1.3 Professional Competency

The report was prepared by Nuria Manzanas a Principal Consultant of DNV. Nuria is a Chartered Geologist (PGeo) with the Institute of Geologists Ireland (IGI) with over 11 years' experience of preparing environmental and hydrogeological assessments for a range of project types and geological and hydrogeological site settings.

The report was reviewed by Warren Vokes Ba MSc MCIWEM C.WEM a Senior Consultant of DNV. Warren is a Chartered Water and Environmental Manager with over 9 years' experience of preparing environmental and hydrological assessments.

The report was approved by Patrick Higgins BSc MSc MIEnvSc CEnv, a Technical Director at DNV. Patrick is a Chartered Environmentalist (CEnv) with the Institute of Environmental Sciences (IES) with over 20 years' experience of preparing environmental and hydrogeological assessments for a range of project types and geological and hydrogeological site settings and accredited to undertake water framework directive assessments.

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2 METHODOLOGY

2.1 Legislative Context

The EU Water Framework Directive (2000/60/EC), as amended by Directives 2008/105/EC, 2013/39/EU, and 2014/101/EU ("WFD"), was established to ensure the protection of the water environment. The Directive was transposed in Ireland by the European Communities (EU) (Water Policy) Regulations 2003 (S.I. No. 722 of 2003) with regard to the Common Implementation Strategy for the Water Framework Directive and the Floods Directive (EU Water Directors, 2016).

The WFD requires that all member states protect and improve water quality in all waters, with the aim of achieving good status, a condition where waterbodies meet defined ecological and chemical quality standards, by 2027 at the latest. It applies to all surface waters (defined as inland waters, both standing and flowing and includes rivers, lakes, reservoirs, streams and canals), groundwater, transitional (estuarine) and coastal waters. This includes both natural and "artificial and heavily modified bodies of water" ('artificial' is defined in Article 2(8) as 'a body of surface water created by human activity' and 'heavily modified' is defined in Article 2(9) as 'a body of surface water which as a result of physical alternations by human activity is substantially changed in character').

The WFD Article 4 objectives, which have been considered as part of the design process of the Proposed Development, include the following:

- Protect, enhance, and restore all bodies of surface water and groundwater with the aim of achieving good surface water status by 2027.
- Prevent deterioration and maintain a 'high' status where it already exists.
- Implement the necessary measures with the aim of progressively reducing pollution in surface waters and groundwater; and
- Ensure waters in protected areas meet requirements.

2.1.1 National Policy

The WFD is implemented through the River Basin Management Plans (RBMP) and which operate on a renewing six-year cycle of planning, action, and review. RBMPs set targets to address water quality issues including the identification of river basin districts, water bodies, protected areas, and any pressures or risks, monitoring, and setting environmental objectives. In Ireland, the first RBMP covered the period from 2009 to 2015, with the second cycle plan covering the period from 2018 to 2021.

The Water Action Plan 2024 (RBMP 3rd Cycle – 2022-2027) Programme of Measures outlines comprehensive measures to protect and improve water quality across various sectors. The Programme of Measures (PoM) for the RBMP is a set of actions designed to achieve the environmental objectives set out in the WFD. The PoM includes both broad measures applicable at a national scale and supplementary measures applicable to only specific catchments:

Key elements of the PoM include:

- Integrated Catchment Management: The PoM uses an integrated catchment management approach, focusing on identifying the right measures for specific locations to maximise effectiveness;
- Collaboration: Implementation involves collaboration between various government departments, local authorities, the EPA, and other stakeholders, with the Programme Delivery Office overseeing and coordinating efforts;
- Monitoring and Reporting: An enhanced monitoring and reporting programme tracks the implementation progress and assesses the effectiveness of the measures;
- Targeted Actions: The PoM identifies specific actions under each pressure/issue affecting water quality, assigning lead organisations, timelines, and key performance indicators;
- Multiple Benefits: The PoM aims to deliver multiple benefits for water, biodiversity, and climate change mitigation and adaptation; and
- Environmental Assessment: All measures and projects arising during the third-cycle RBMP are subject to further environmental assessments, including Strategic Environmental Assessment (SEA) and Appropriate Assessment (AA), as required.

The Water Action Plan 2024 provides numerous specific examples of measures within the PoM, categorised by the sector driving the impact:

- Agriculture: Implementation of a stronger and more targeted Nitrates Action Programme, including tighter controls on nutrient applications, a livestock excretion banding system, a national fertiliser sales database, and enhanced inspection and enforcement programmes;
- Hydromorphology: Developing a new Controlled Activities for the Protection of Waters regime to address pressures on the physical condition of waters;

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- Forestry: Increasing the area of forests with appropriate water setbacks, seeking improvements to the licence applications process for key forestry activities, and rolling out schemes that promote water protection;
- Urban Wastewater: Continued investment in urban wastewater infrastructure and a review of water bodies where urban wastewater is a significant pressure; and
- Peatlands: Updating the National Peatlands Strategy and continuing the national programme of peatland restoration.

These measures are designed to ensure that all new developments comply with the WFD's fundamental requirements and contribute to the overall goal of achieving good water status by 2027.

This assessment considers and meets all the requirements and objectives outlined above, ensuring compliance with the WFD.

2.1.2 Other Relevant Policy and Guidance

The methodology adopted for this assessment takes cognisance of other relevant standards and regulations pertinent to undertaking a WFD assessment in particular the following:

- Council Directive 2006/118/EC, 2006. On the protection of groundwater against pollution and deterioration. European Parliament and the Council of European Communities;
- Commission Directive 2014/80/EU of 20 June 2014 amending Annex II to Directive 2006/118/EC of the European Parliament and of the Council on the protection of groundwater against pollution and deterioration;
- EU Water Framework Directive 2000/60/EC of the European Parliament and of the Council of 23 October 2000 establishing a framework for Community action in the field of water policy with amendments;
- European Communities (Water Policy) Regulations 2003 (S.I. No. 722/2003);
- Environmental Protection Agency, December 2011. Guidance on the Authorisation of Discharges to Groundwater.
- Department of the Environment, Heritage and Local Government, Environmental Protection Agency and Geological Survey of Ireland, 1999. Groundwater Protection Schemes (Groundwater Protection Schemes, 1999);
- Local Government, July 1990. No. 21 of 1990. Local Government (Water Pollution) (Amendment) Act, 1990;
- S.I. No. 9/2010 - European Communities Environmental Objectives (Groundwater) Regulations 2010 and as amended;
- S.I. No. 272/2009 - European Communities Environmental Objectives (Surface Waters) Regulations 2009 and as amended.
- Environmental Protection Agency (EPA) (2022), Guidelines on the Information to be Contained in Environmental Impact Assessment Reports (EIAR);
- Inland Fisheries Ireland (IFI) (2016), Guidelines on Protection of Fisheries During Construction Works in and Adjacent to Water.
- Transport Infrastructure Ireland (TII 2009) Guidelines on Procedures for Assessment and Treatment of Geology, Hydrology and Hydrogeology for National Road Schemes; and
- DoEHLG (Nov 2009) The Planning System and Flood Risk Management – Guidelines for Planning Authorities.

2.2 Waterbody Characterisation

The following definition of a waterbody is presented in Article 2 of the WFD:

“Body of surface water' means a discrete and significant element of surface water such as a lake, a reservoir, a stream, river or canal, part of a stream, river or canal, a transitional water or a stretch of coastal water. This definition is transcribed in Part 1 of S.1. No. 272/2009 - European Communities Environmental Objectives (Surface Waters') Regulations 2009. Guidance on what constitutes a "discrete and significant element" is presented in the "Common Implementation Strategy for the Water Framework Directive (2000/60/EC), Guidance document No.2 identification of Water Bodies" (CIS No.2),

As noted in the CIS guidance document, "The Directive does not include a threshold for very small waterbodies". The WFD under Annex II sets out two systems for differentiating water bodies into typologies: System A and B System. The limited number of descriptors in System A was to aid cross comparison of waterbody typologies across the EU. However, in many regions of Europe the limited descriptors and parameters do not provide appropriate differentiation for Waterbodies. This was the case on the island of Ireland (ecoregion 17) where System B was adopted instead. System B has no predefined descriptor ranges but must allow for at least the same level of differentiation as System A and can consider additional descriptors to those required for System A.

As part of the implementation of the WFD in Ireland the EPA set out parameters for characterisation under System B. The EPA characterisation of waterbodies is described in the *Submission in accordance with Article 5 of Directive 2000/60/EC of the European Parliament and of the Council of 23 October 2000 establishing a framework for Community action in the field of water policy, and in accordance with EC-DG Environment D.2* document 'Reporting Sheets for 2005 Reporting" dated 19th November 2004. (EPA, 2005).

It should be noted that WFD covers all waterbodies, but not every watercourse is monitored or classified by the EPA individually. Local 'non-characterised' water features are considered tributaries of the 'characterised' water bodies they connect to and are assessed as such here.

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2.3 Water Framework Directive Classification

The information used in the classification of the status of our water bodies is collected in the national WFD monitoring programme.

2.3.1 Surface Water Assessment

Under the WFD, surface water bodies are defined as stated in Section 2.1 above and below:

- Rivers.
- Lakes.
- Transitional waters, such as estuaries, connect fresh waterbodies (i.e., rivers) and coastal waters (i.e., sea).
- Coastal waters.
- Artificial surface waterbodies; and,
- Heavily modified surface waterbodies.

The overall status of surface waters is classified using information on the ecological status and chemical status which are outlined below.

2.3.1.1 Ecological Status

The ecological status of a surface water body is assessed based on the following categories, with each category receiving a rating of, “High,” “Good,” “Moderate,” “Poor” and “Bad” (EPA, 2025). Refer to Figure 2-1 for a representation of the WFD classification of the waterbodies (Catchments.ie, 2025).

High status, which is considered to be the best status achievable or benchmark for a given water body, is the *‘reference condition’* defined as the biological, chemical, and morphological conditions associated with no or very low human pressure.

The ecological status of a surface water body is assessed according to:

- Biological quality (i.e., the condition of biological elements (aquatic flora and fauna));
- Physico-chemical quality (temperature, oxygenation, nutrient conditions); and
- Hydromorphological quality (waterflow (i.e., flow and tidal conditions), sediment composition and movement, riverbank structure, etc).

The overall ecological status of a surface water body is based on the lowest of the three individual categories, which means that the condition of a single quality element (i.e., biological, physico-chemical and hydromorphological) can cause a water body to fail to reach its WFD classification objectives.

In the case of artificial and heavily modified waters, ecological potential status is assessed similarly to ecological status above but is rated as “Maximum,” “Good,” “Moderate,” “Poor” or “Bad” ecological potential instead. In general terms, ‘maximum ecological potential’ means that the water body is as close as possible to a comparable surface water body, with the only differences being those directly attributed to artificial or modified nature of the water body.

2.3.1.2 Chemical Status

Chemical status (level of harmful chemicals in the water) is recorded by one of two ratings, ‘Good’ or ‘Fail.’ It is assessed by compliance with Environmental Quality Standards (EQS) for chemicals that are listed in the European Communities Environmental Objectives (Surface Waters) Regulations 2009 S.I. No. 272/2009 (as amended). This involves making sure that no changes take place that would worsen the current condition of any water body and that a Proposed Development does not prevent the achievement of the future status objectives of any waterbody.

The chemical status classification for the waterbody is determined by the lowest scoring chemical reported in the waterbody.

For an artificial or heavily modified waterbody hydromorphologically, which has been altered for anthropogenic purposes (i.e., water supply, flood protection or navigation), the objective is to achieve Good Ecological Potential (GEP) for those waterbodies. This means that the ecology must be as close as possible to that of a similar natural water body, without compromising the specified human use for which the waterbody is designated.

2.3.1.3 Groundwater Assessment

Groundwater is awarded either “Good” or “Poor” status. Groundwater is assessed based on its chemical and quantitative status.

2.3.1.4 Chemical Status

Good chemical status of a groundwater body requires the entry of hazardous substances and saline intrusion into the groundwater to be prevented, and the presence of other pollutants to be below the limits within S.I. No. 9/2010 - European Communities Environmental Objectives (Groundwater) Regulations 2010 (as amended). Concentrations of pollutants

must also not be of such a concentration as to affect the ecological or chemical status of associated surface waters or to damage linked terrestrial ecosystems.

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2.3.1.5 Quantitative Status

Quantitative status (i.e., the amount of water present) is assessed based on whether or not the available groundwater resource is being reduced by the long-term rate of annual abstraction.

Refer to Figure 2-1 for a representation of the WFD classification of the waterbodies.

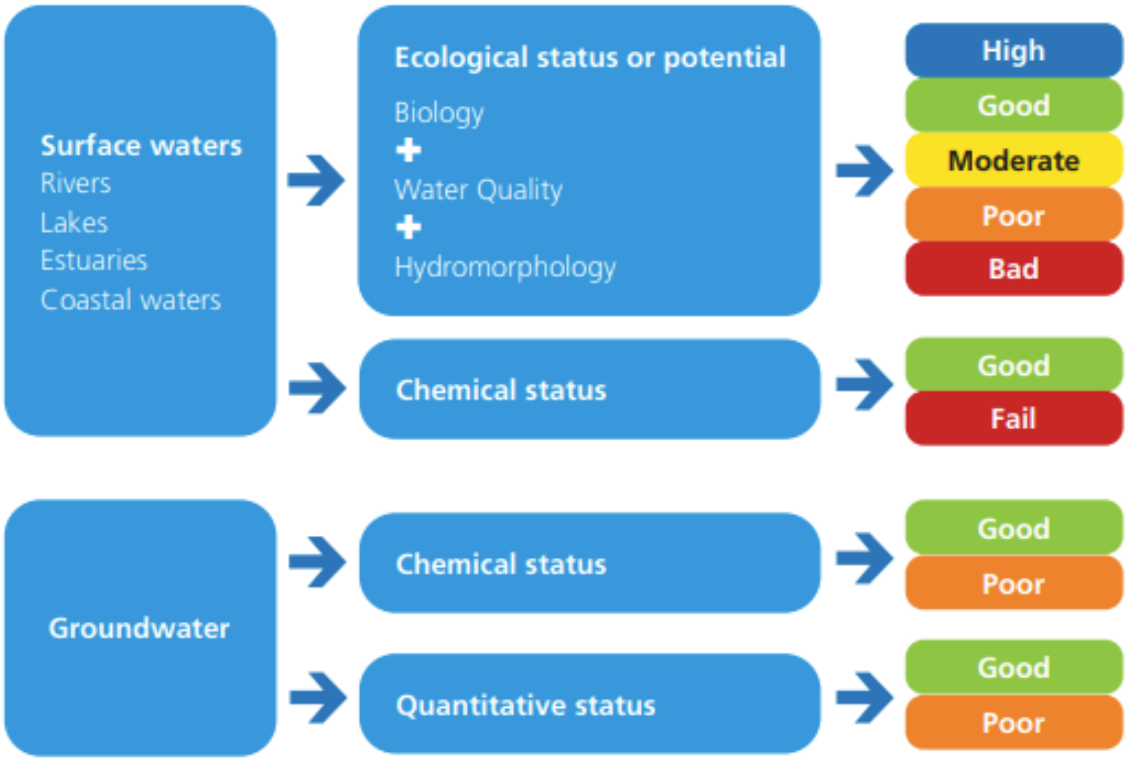

Figure 2-1. WFD Classification (Source: EPA, 2025 – www.catchments.ie)

2.4 Approach to WFD Assessment

In order to assist in the implementation of the WFD, EU member states, alongside Norway and the European Commission, developed a Common Implementation Strategy (CIS) in May 2001. This CIS was designed to provide coherent and comprehensible guidelines aimed at achieving the aims of WFD.
CIS Guidance Document 36 provides an outline of an approach to WFD Assessments which breaks the assessment down into the following sequential steps.

- Screening for Potential Effects - Determine whether the Proposed Development could have any direct or indirect effect on the different quality elements relevant to the WFD.
- Scoping of Further Investigations - Outline the information required to determine the significance of any effect on the relevant quality elements.
- Data Collection and Assessment - Assess whether any effect could cause deterioration or compromise the status/potential status of a water body.

If the Proposed Development is determined to compromise or deteriorate the status/potential status of a waterbody then an “Article 4(7) Test” is required. The Proposed Development can only be authorised if the conditions as outlined under Article 4(7) a) to d) are fulfilled. The applicant must provide detailed evidence to meet these four stringent tests:

- (a): All practical steps are taken to mitigate the adverse impacts on the water body.
- (b): The reasons for modifications or alterations are documented in the RBMP.
- (c)(1): There is an overriding public interest in the Development or
- (c)(2): The benefits outweigh those of the WFD objectives, particularly regarding human health, safety, or sustainable development.

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- (d): The project's benefits cannot be achieved by a significantly better environmental option that is technically feasible and not disproportionately costly.

The Proposed Development must not permanently exclude or compromise the WFD objectives in other water bodies within the same RBD and must comply with other environmental legislation (Article 4(8)). Additionally, new provisions must guarantee at least the same level of protection as existing legislation (Article 4(9)). Additional guidance relating to Article 4(7) derogations is provided in the Common Implementation Strategy Document No.36 (EU Water Directors, 2017).

If the conditions are not fulfilled the Proposed Development cannot be authorised according to the WFD. If no impacts are identified, then no Article 4(7) assessment is required, and authorisation may be permitted according to the WFD.

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3 DESCRIPTION OF THE PROPOSED DEVELOPMENT

The Proposed Development principally consists of:

- The demolition of the existing office / bus depot building (370.2 sq m) and ancillary building (26.0 sq m);
- The partial demolition of the existing ESB sub-station and ancillary building (67.4 sq m);
- The demolition of existing boundary walls at the south-west and north-west; and
- The construction of a mixed-use development.

The proposed mixed-use development primarily comprises:

- 356 No. residential apartments (172 No. 1-bed, 169 No. 2-bed and 15 No. 3-bed);
- Crèche (255.9 sq m);
- 2 No. café/restaurant units (totalling 428.4 sq m) and 1 No. retail unit (156.0 sq m).

The development has a total floor area of 32,096.0 sq m and is primarily proposed in 4 No. blocks (identified as A–D) that generally range in height from 6 No. to 13 No. storeys: Block A ranges from 6 No. to 9 No. storeys; Block B ranges from 6 No. to 11 No. storeys; Block C is 6 No. storeys; and Block D ranges from 6 No. to 13 No. storeys.

The Proposed Development also includes:

- New internal street and pedestrian network, including a one-way vehicular route at the north-western side of the site and new junctions with Dock Road at the south-west and with the access road from Lough Atalia at the north-west;
- Upgrades to Lough Atalia Road and the access road from it at the north-west of the site, including the provision of a new toucan pedestrian/cycle crossing at Lough Atalia Road; upgrades to the footpath and road interface with Dock Road to the south-west;
- 37 No. car parking spaces;
- 1 No. set-down/delivery bay;
- 741 No. cycle parking spaces;
- Hard and soft landscaping, including as public open spaces and communal amenity spaces;
- Private amenity spaces as balconies and terraces facing all directions; boundary treatments;
- Public lighting;
- Bin stores;
- Double sub-station;
- Plant rooms; green roofs;
- Rooftop lift overruns and plant;
- Rooftop telecommunications, plant and enclosure at Block C;
- Recladding of the existing sub-station and pumping station; and
- All associated works above and below ground.

The Proposed Development will be constructed in two distinct phases to facilitate a staged occupation. The proposed sequence of construction outlined below is subject to confirmation once the building contract has been awarded and on completion of the Detailed Construction Management Plan for agreement with Galway City Council.

The overall duration of the project is anticipated to span approximately 27 months, starting with Blocks A and B, followed by Blocks C and D.

The sequencing of the two phases of the Proposed Development is intended to proceed as follows:

- Phase 1 (approximately 18 months): construction of Blocks A and B (a total number of 186 no. units), road works along Dock Road, new internal street, parking court, upgrade of roadworks adjacent to petrol filling station, toucan crossing and associated footpath etc and landscaping around public square, courtyard and promenade; and
- Phase 2 (approximately 9 months): construction of Blocks C and D (170 no. residential units), landscaping and promenade.

3.1 Construction Phase

The construction phase of the Proposed Development will include:

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- The GII report (GII, 2024) recommended the use of pile foundations for the proposed structures at the site given the presence of made ground across the site. Additionally, it was recommended that the floor slab should be suspended and also supported on the building piles. As stated in the GII report (GII, 2024) in regard to the short-term temporary excavations in the cohesive deposits, the excavations will remain stable, for a limited time only and will require to be appropriately battered or the sides supported if the excavation is below 1.25mbgl;
- Excavation of soil and subsoil will be required to allow the construction of roads, building foundations, drainage, and ancillary services. Excavation depths will range from 2.398mbgl to 3.994mbgl;
    - It is estimated by TOBIN that approximately 11,594.268m^3 of soil and subsoil including made ground will be excavated as part of remedial excavations at the site (refer to Drawing No. 11910-2015 & 11910-2016 submitted with the planning application under separate cover);
    - An additional 4,469.252m^3 will be excavated to achieve formation levels, which will be reused onsite (refer to Drawing No. 11910-2015 & 11910-2016 submitted with the planning application under separate cover);
    - Where possible, excavated soil and subsoil materials will be reused for engineering fill and landscaping subject to assessment their suitability for use in accordance with engineering and environmental specification for the Proposed Development. It is estimated that 4,469.252m^3 of material excavated during bulk excavations to achieve formation levels will be re-used onsite. However, all soil and subsoil materials including made ground excavated as part of remedial excavations (approximately 11,594.268 m^3) will be removed from site. This material will be taken for appropriate offsite reuse, recovery, recycling and / or disposal in accordance with the procedures outlined in the Resource and Waste Management Plan (RWMP) (AWN, 2025);
    - It is anticipated that there will be no requirement for the excavation of bedrock during the construction stage of the Proposed Development;
- The volume of fill required to achieve formation levels is approximately 10,353m^3. The importation of 5,884m^3 soil and subsoil materials will be required for the construction of the Proposed Development. Contract and procurement procedures will ensure that all imported soil and subsoil materials required will be sourced from reputable suppliers operating in a sustainable manner and in accordance with industry conformity/compliance standards and statutory obligations;
- The demolition of the existing structures and removal of hardstanding areas onsite will also be required. This material will be taken for appropriate offsite reuse, recovery, recycling and / or disposal in accordance with the procedures outlined in the Resource and Waste Management Plan (AWN, 2025);
- Temporary stockpiling of excavated material will be required pending reuse onsite (where required), or removal offsite;
- There may be a surplus of building materials, such as timber off-cuts, broken concrete blocks, cladding, plastics, metals and tiles generated and there may also be excess concrete during construction which will need to be disposed of (AWM, 2025);
- The importation of aggregate fill materials will be required for the construction of the Proposed Development (i.e., natural stones and gravel, aggregates, and related fill products). All aggregate materials will be sourced from locally available quarries in accordance with the appropriate statutory guidelines;
- Groundwater levels were measured at the site during previous investigations ranging from 2.9mbgl (meters below ground level) (BH08; MKO, 2022) to 5.02mbgl (BH12; MKO, 2022). The maximum excavation depth will be 3.99mbgl and therefore, there may be a requirement to dewater shallow groundwater if encountered during the construction phase of the Proposed Development. Additionally, there may be a requirement for management of surface water (rainwater) within excavations during groundworks;
- Construction of new surface water drainage (refer to Section 3.2.1) designed in accordance with the principles and objectives of Sustainable Drainage Systems (SuDS) and the Greater Dublin Sustainable Drainage System (GDSDS) and the requirements of Galway City Council (GCC);
- Construction of new foul and mains water connections (refer to Section 3.2.2 and Section 3.2.3) in accordance with UE Code of Practice for Wastewater Infrastructure 2020 & Standard Details for Wastewater Infrastructure (IW-CDS-5030-03) and UE's Code of Practice for Water Infrastructure (IW-CDS-5020-03); and
- In accordance with current UKWIR16 guidance, the use of barrier pipes for water supply may be required in certain areas of the site to prevent potential permeation of contaminants into drinking water supplies.

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3.2 Operational Phase

3.2.1 Surface Water Drainage

Surface water runoff from the Proposed Development will be managed in a surface water drainage system designed in accordance with the principles and objectives of:

- Sustainable Drainage Systems (SUDS);
- Coirib go Cósta Galway City Flood Relief Scheme;
- Galway City Council City Development Plan 2023-2029; and
- Greater Dublin Sustainable Drainage Scheme (GDSDS).

The Greater Dublin Sustainable Drainage Scheme (GDSDS) provides a well-established, comprehensive framework of best practice principles and standards for SuDS that are widely recognised across Ireland. It is used as a benchmark for sustainable drainage design due to its robustness and recognition, supporting the delivery of a surface water system that aligns with both local and national objectives. The GDSDS addresses the issue of sustainability by requiring designs to comply with a set of drainage criteria that aim to minimise the impact of urbanisation by replicating the runoff characteristics of greenfield sites.

As documented in the Civil Works Design Report (TOBIN, 2025), it is proposed that the surface water (stormwater) drainage system for the Proposed Development will cater for all surface water runoff from hard surfaces (i.e., impermeable) within the development, including roadways, carparks, footways, and roofs. The Proposed Development has been divided into two (2 No.) catchment areas, Network A, and Network B. These networks will each direct flow through a petrol interceptor before discharging the stormwater into the proposed attenuation units (Attenuation A and Attenuation B). Accumulated stormwater will discharge to the existing storm network. Ultimate disposal is to outfall in the public storm culvert adjacent to the bridge to the south of the site, which in turn discharges into the Galway Bay at the mouth of Lough Atalia.

All velocities within the networks fall within the limits of 0.8 and 3m/sec as set out in 'Recommendations for Site Development Works' as published by the Department for the Environment (1998). The attenuation system is proposed to discharge surface water runoff from the site to the existing stormwater network. The required storage requirements have been designed based on the CIRIA SuDS Manual C753 Section 11.3 Hydraulic Design.

- Attenuation A – will require catering for a water volume of 154m^3.
- Attenuation B – will require catering for a water volume of 110m^3.

The attenuation units are designed to hold water for the largest storage required over a 48-hour storm period, with rainfall depths taken for the 100-year return period + 20% for climate change. All proposed attenuations have been located to cater for the associated catchment area. All surface water generated onsite will pass through a bypass Petrol Interceptor prior to outfall to each proposed attenuation unit (Attenuation A and Attenuation B) in Network A, and Network B which are designed to separate hydrocarbons from the water before discharging to the attenuation units (i.e., preventing hydrocarbons from entering the tank).

As indicated in the Civil Works Design Report (TOBIN, 2025), '*in calculating the attenuation storage and pipe capacities, a conservative approach has been adopted wherein no infiltration is permitted. Approach 1 is adopted to provide a simplified basis for design compatible with Causeway Flow modelling software. If, after conclusive removal of all contaminated ground, it is desirable to the Galway City Council to entertain the possibility of infiltration to ground within the site to reduce the hydraulic loading on their existing storm water culvert within the public road (into which the proposed outfall discharges), the impermeable liner beneath the permeable surfaces and attenuation zones may be replaced with a suitable permeable geotextile. This approach will ensure that an approved design will accommodate the maximum required storage capacity from the outset but also allow for possible reductions in discharge rates into the public storm system as the opportunity presents itself*'.

.

Figure 3-1. Proposed SuDS and Surface Water Drainage Layout (TOBIN Drawing Number – 11910-2004)

The requirements of SuDS are typically addressed by the provision of the following elements specific for the Proposed Development:

- Interception storage; and
- Attenuation storage.

Those elements have been proposed by implementing infiltration tanks with a calculated holding volume. All SuDS measures will be designed in accordance with the EPA's document 'Guidance on Authorisation of Discharges to Groundwater 2011'.

SuDS measures (i.e., interception storage) proposed would be a combination of water butts, rain gardens, swales, tree pits, permeable paving, and drainage kerbs with infiltration trenches/filter strips. Storage capacity has been calculated and provided in discharge soakaways as though no interception storage were provided. This mitigates any seasonal performance issues with the interception storage measures.

SuDS objectives relate to the following elements:

1. Water Quality - A petrol interceptor has been proposed as a general SuDS measure for water treatment. In addition, the drainage kerb and infiltration trench/rain garden combination allow for isolation of hydrocarbons for nature-based treatment within appropriate green zones.
2. Water Quantity - The drainage system is designed to achieve the required thresholds in the event of localised exceedance of SuDS measures or seasonally sensitive capacity reductions, therefore, ensuring that greenfield runoff rates are maintained.
3. Amenity - Proposed rain gardens and tree pits integrate with the broader landscaping strategy.
4. Biodiversity - The landscaping design requires further development in the detailed design stage to accommodate further SuDS measures to leverage opportunities for biodiversity.

The layout of the proposed surface water drainage network is presented in TOBIN Drawing No. 11910-2004 submitted with the planning application under separate cover and in Figure 3-1.

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3.2.2 Foul Drainage

As documented in the Civil Works Design Report (TOBIN, 2025), the foul water from the Proposed Development will discharge via gravity to an existing 450mm public foul sewer in the north of the Proposed Development. The proposed foul network has been designed using Causeway Flow software with a capacity of six times the dry weather flow in accordance with the Uisce Éireann (UÉ) Code of Practice for Wastewater Infrastructure UE-CDS-5030-03.

It is proposed that all piping structures in the network will be thermoplastic structured wall pipes with a maximum pipe diameter of 225mm and maximum and minimum gradients of 1/60 and 1/200, respectively. All velocities within the foul network comply with UE Code of Practice for Wastewater Infrastructure requirement for flow velocities greater than self-cleansing velocity (0.75m/sec) and less than 2.5m/s as per Section 3.6 of the UÉ Code of Practice for Wastewater Infrastructure.

A pre-connection enquiry (PCE) for the wastewater discharge from a multi/mixed use 408 units was submitted to UÉ. A Confirmation of Feasibility (COF) was issued by UE on the 23rd of July 2024 (UE COF Reference: CDS24004596). The UÉ COF confirmed the connection to be feasible, subject to upgrades, although it confirmed that there is sufficient capacity for the Proposed Development. To address the requirements of the UÉ COF, *the connection from this site by gravity or pumping will be to the 450mm sewer on Bothar na Long. If gravity is feasible, then a 140m upgrade/extension of the existing sewer will be required to connect the proposed development to the existing public network. Any such network extension would have to be entirely funded by the Customer. The proposed development would require assessment at connection application stage to ensure capacity exists*'. The Applicant will ensure all works are funded as required by UE.

The layout of the proposed foul water drainage network is presented in TOBIN Drawing No. 11910-2002 submitted with the planning application under separate cover. Refer to Figure 3-2.

Foul water from the Proposed Development will be treated in the Galway Wastewater Treatment Plant (Mutton Island WWTP) (Discharge Licence No. D0050-01) before ultimately discharging to the Corrib Estuary transitional waterbody (ID: IE_WE_170_0700).

Figure 3-2. Proposed Foul Layout (TOBIN Drawing Number – 11910-2002)

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3.2.3 Water Supply

As documented in the Civil Works Design Report (TOBIN, 2025), it is proposed to connect a 100mm diameter watermain to an existing 300mm diameter UE watermain, which is located running along the existing Lough Atalia Road, north of the proposed site entrance. The proposed 100mm PE watermain is the required size to service the development as per UE specifications. All watermain designs will be fully vetted by UE prior to receiving an offer to connect.

In accordance with Local Authority/UE standards, a water meter and Logging Device (Larson Type) are proposed at the connection into the proposed site. A sluice valve, strainer and 100mm diameter by-pass arrangement is also proposed to allow for possible disconnection of water meters by the Local Authority/UÉ.

A pre-connection enquiry (PCE) for the wastewater discharge from a multi/mixed use of 408 units was submitted to UE. A Confirmation of Feasibility (COF) was issued by UE on the 23rd of July 2024 (UE COF Reference: CDS24004596). The UE COF confirmed the connection to be feasible without infrastructure upgrade by Irish Water and there is also sufficient capacity for the Proposed Development. All watermain designs will be fully vetted by UE prior to receiving an offer to connect.

The watermain layout has been designed in accordance with UÉ Code of Practice for Watermain Infrastructure (UE-CDS-5020-03).

The layout of the proposed water supply is presented in TOBIN Drawing Number - 11910-2001 submitted with the planning application under separate cover and Figure 3-3.

Figure 3-3. Proposed Watermain Layout (TOBIN Drawing Number – 11910-2001)

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4 STUDY AREA SCREENING

The WFD screening assessment was based on the information presented on the EPA mapping website (EPA, 2025) and the specific quality status of the nearby waterbodies (i.e., groundwater, surface water, transitional waterbodies, etc.) was gathered from the information presented on the catchments.ie website.

The study area is defined to ensure a comprehensive assessment of existing conditions on waterbodies in the vicinity of the Proposed Development. This area extends beyond the immediate boundaries of the site of the Proposed Development to include a broader region. The site refers specifically to the area where the Proposed Development will take place. In contrast, the study area encompasses a wider region, extending at least 2.0 km from the site, as recommended by the Institute of Geologists of Ireland (IGI) 2013 Guidelines. This broader area is necessary to identify and evaluate all potential receptors that could be affected by the Proposed Development, either directly or indirectly. The distinction between the application site and the study area is crucial. The site of the Proposed Development is the focal point of the Proposed Development, while the study area includes additional regions that might experience secondary effects.

4.1 Surface Water

The Proposed Development site lies within the Galway Bay South East WFD Catchment (Hydrometric Area 29), Carrowmoneash [Oranmore] WFD Sub-catchment (WFD name: Carrowmoneash [Oranmore]_SC_010 ID: 29_06) (EPA, 2025) and the Carrowmoneash [Oranmore]_10 WFD River Sub Basin (IE_WE_29C050400).

There are no surface water features within the site. The closest surface water features mapped by the EPA (EPA, 2025) within the 2km radius of the site are as follows:

- The Corrib Estuary Transitional Waterbody (ID: IE_WE_170_0700) is located adjacent to the southern and eastern boundaries of the site. The Corrib Estuary ultimately discharges into the Inner Galway Bay North Coastal Waterbody (ID: IE_WE_170_0000) located approximately 2.2km south of the site at its closest point.
- The River Corrib (WFD Name: CORRIB_020; River Waterbody Code: IE_WE_30C020600) is located approximately 0.58km west of the site at the point where it discharges into the Corrib Estuary.
- The Terryland River (WFD Name: TERRYLAND_010; River Waterbody Code: IE_WE_30T010500) is located approximately 1.2km north of the site. As detailed in the Galway City County Geological Site Report (GSI, 2020), the Terryland Stream originates from a narrow channel on the east side of Jordan's Island, just north of the ruins of Terryland Castle. Typically, the Terryland Stream flows eastward toward two estavelles north of the site. Under normal conditions, these estavelles receive water from the Terryland Stream. However, during periods of elevated groundwater levels, these estavelles undergo a transformation into springs, releasing groundwater into the Terryland Stream. This augmented flow eventually converges with the Corrib River approximately 1.16km northeast of the site. It is understood that these estavelles are connected to Galway Bay or Lough Atalia (i.e., the Corrib Estuary) through an underground conduit system (GSI, 2025).

The surface water features mapped by the EPA (EPA, 2025), referencing the WFD status and WFD risk status of the surface waterbodies within a 2km radius of the site, are presented in Figure 4-1.

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Figure 4-1. Surface Water Features within 2km of the Proposed Development

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Table 4-1: Surface Waterbodies Potentially Hydraulically Connected to the Site

Name (WFD)	EPA Code	Waterbody Type	WFD Status (2016 – 2021)[1]			WFD Risk Status
			Ecological	Chemical	Hydro-morphological	
Terryland_010	IE_WE_30T010500	River	Moderate (Note - High Confidence)	-	-	At Risk
Corrib_020	IE_WE_30C020600	River	Good (Note - High Confidence)	-	-	Not at Risk
Corrib Estuary Transitional Waterbody	IE_WE_170_0700	Transitional Waterbody	Moderate (Note - High Confidence)	Failing to Achieve Good	-	Review
Inner Galway Bay North Coastal Waterbody	IE_WE_170_0000	Coastal Waterbody	Good (Note - High Confidence)	-	-	Not at Risk
Inner Galway Bay South Coastal Waterbody	IE_WE_160_0000	Coastal Waterbody	High (Note – Medium Confidence)[2]	-	-	Not at Risk
Outer Galway Bay Coastal Waterbody	IE_WE_100_0000	Coastal Waterbody	High (Note – High Confidence)[2]	-	-	Not at Risk

Notes:

1. The 3rd cycle (2016–2021 monitoring) data was published in 2022 and forms the basis of the current River Basin Management Plan (RBMP) (2022–2027). The 4th cycle monitoring (2019–2024) is currently underway, with results expected to inform the next RBMP (2027–2033). The final national assessment for this cycle is expected to be published by the Environmental Protection Agency (EPA) in Q4-2025.
2. The protection and restoration of these high-status water bodies is a priority under Ireland's RBMP.

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4.2 Groundwater

The bedrock aquifer within the Clarinbridge Formation (Code: CDLUCN) beneath the majority of the site is classified by the GSI (GSI, 2025) as a Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones.

A small portion of the site adjacent to Galway Bay has not been delineated by the EPA as being underlain with a bedrock aquifer, likely due to its nature as reclaimed lands.

Figure 4-2 shows the groundwater bodies within 2km of the site and the quality status (i.e., chemical and quantitative) and identification of the groundwater bodies within the study area are presented in Table 4-2.

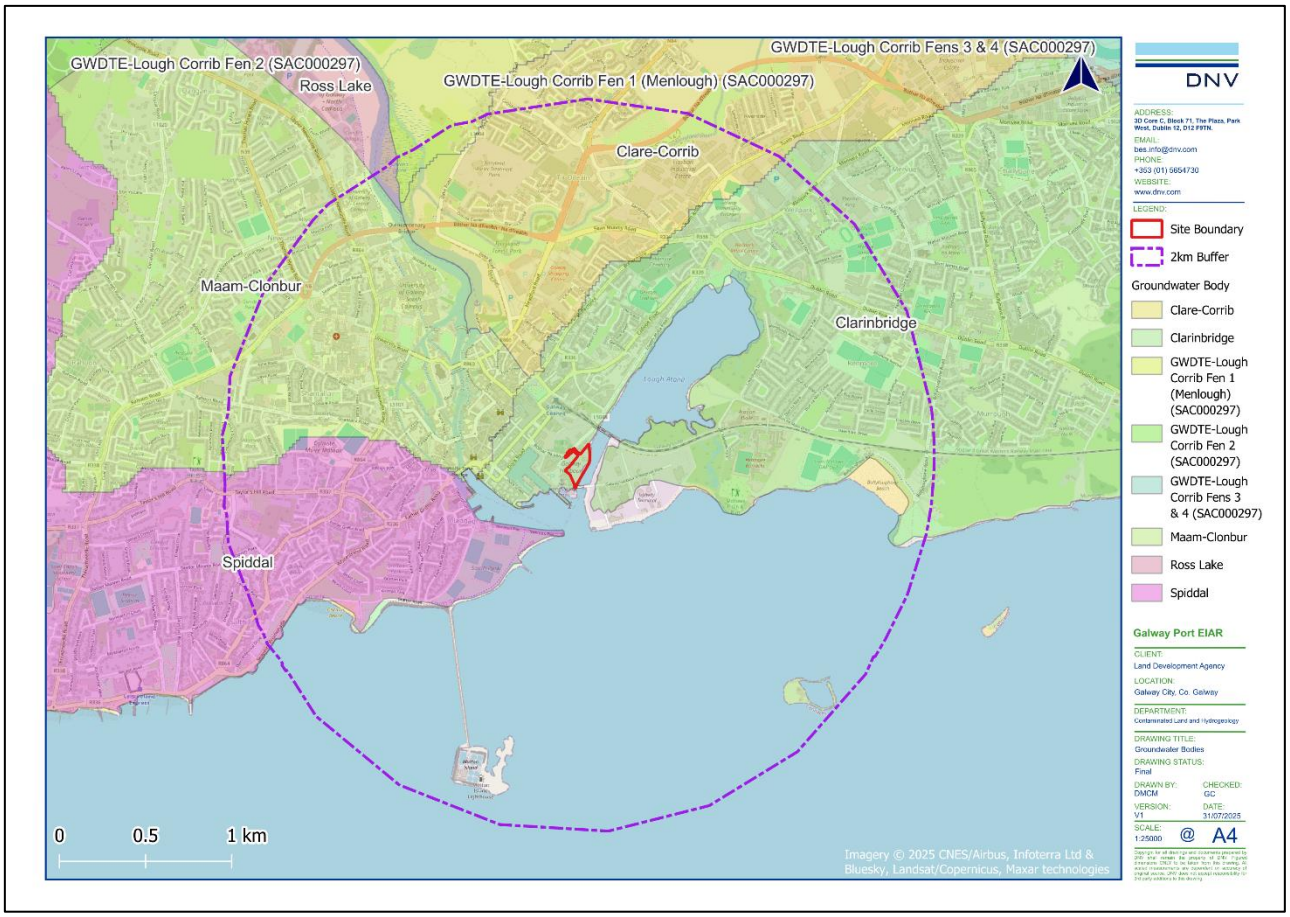

Figure 4-2: Groundwater Bodies within 2km of the Proposed Development

Table 4-2: Groundwater Waterbodies Risk and Status within 2km of the Site

Name	EPA Code	Type	Status (2016 – 2021)[1]		WFD Risk Status
			Chemical	Quantitative	
Clarinbridge GWB	IE_WE_G_0008	Karstic	Good	Good	Not at Risk
Spiddal GWB	IE_WE_G_0004	Poorly productive bedrock	Good	Good	Not at Risk
Maam-Clonbur GWB	IE_WE_G_0006	Poorly productive bedrock	Good	Good	Not at Risk
Clare-Corrib GWB	IE_WE_G_0020	Karstic	Good	Good	Not at Risk
GWDTE-Lough Corrib Fen 1 (Menlough)	IE_WE_G_0119	Karstic	Good	Good	Not at Risk

Name	EPA Code	Type	Status (2016 – 2021)[1]		WFD Risk Status
			Chemical	Quantitative	
(SAC000297) GWB					

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Notes:

1. The 3rd cycle (2016–2021 monitoring) data was published in 2022 and forms the basis of the current River Basin Management Plan (RBMP) (2022–2027). The 4th cycle monitoring (2019–2024) is currently underway, with results expected to inform the next RBMP (2027–2033). The final national assessment for this cycle is expected to be published by the Environmental Protection Agency (EPA) in Q4-2025.

Although the Proposed Development does not include groundwater abstraction, the vulnerability of the groundwater will increase due to the excavation of soils and subsoils during the construction phase. As such, mitigation measures will be required during site activities to limit potential releases to groundwater during the construction phase of the Proposed Development. Refer to Section 5.2 for the GWBs screening assessment.

4.3 Flood Risk Assessment

A Stage 2 Flood Risk Assessment (FRA) was prepared for the site and Proposed Development by TOBIN (TOBIN, 2025). It assessed the potential flood risk associated with fluvial, groundwater, coastal and pluvial flooding.

The Western Catchment Flood Risk Assessment and Management (CFRAM) study (OPW, 2016) identified Galway City as an Area for Further Assessment (AFA) and concluded that a flood relief scheme would be viable and effective for the community. The Coirib go Cósta Galway City Flood Relief Scheme commenced in November 2020 to address the sustainable and effective management of flood risk in the city and will be completed by 2029. The objective of the scheme is to assess, design and deliver a viable, cost-effective, and environmentally sustainable flood relief scheme for Galway City and the subject site falls within the Scheme Area.

The OPW's National Preliminary Flood Risk Assessment (PFRA) mapping indicated that there are no fluvial, pluvial or groundwater flood extents within the Proposed Development site. However, the southwestern boundary of the site is seen as liable to coastal flooding. Hydraulic modelling (i.e., surveyed river geometry and greater model calibration) was carried out through the CFRAM study in 2015, which is considered more accurate than the PFRA study.

The site is located in the proximity to Galway Bay and the River Corrib, which is estuarine in nature, suggesting a heightened risk of coastal flooding. The National Coastal Flood Hazard Mapping (NCFHM) indicates that in a current scenario, approximately 25% of the southwestern portion of the site is inundated in a 1 in 1000-year (0.1% AEP) event, with a small area liable to coastal flooding in a 1 in 200-year (0.5% AEP) event. In the mid-range future scenario (MRFS), approximately 50% of the site is inundated in 1 in 200-year (0.5% AEP) event, and approximately 60% of the site is inundated in a 1 in 1000-year (0.1% AEP) event. A small area along the southeastern and southwestern boundary is liable to coastal flooding in the 1 in 10-year (10% AEP) event. The Irish Coastal Wave and Water Level Modelling Study (ICWWS) water levels in a 1 in 200- and 1 in 1000-year (0.5% and 0.1% AEP) MRFS event are 4.51 meters Ordnance Survey (mOD) and 4.76mOD, respectively. In order to protect the site against the 1 in 1000-year (0.1% AEP) MRFS flood event, which is required for critical infrastructure, the FFL (floor level) at the site is required to be at a minimum 5.05mOD to account for climate change and a freeboard of 300mm. Therefore, it is estimated that the risk of coastal flooding associated with the proposed development is minimal.

The report (TOBIN, 2025) concludes the following:

''The proposed development was subject to the Justification Test as the southwestern corner of the subject site was shown as flooding in the 1 in 1000-year coastal flood event by the NCFHM Study, with an even smaller area liable to flooding in the 1 in 200-year event, and as such was partially located in Flood Zone B and A respectively. The proposed development satisfied all criteria of the Justification Test".

'Based on the results of this flood risk assessment, it is estimated that the risk of flooding to the proposed development will be minimal, and that the development will not increase the risk of flooding elsewhere. There is an evident coastal risk at the southwestern portion of the subject site. We propose to mitigate the flood risk to "Highly vulnerable" infrastructure by raising the minimum FFL to 5.05mOD, this allows for a 300mm freeboard above the 1 in 1000-year (0.1% AEP) MRFS event', as stated above.

4.4 Register for Protected Areas

The WFD Register of Protected Areas is a comprehensive list of areas designated under the Water Framework Directive (WFD) that require special protection due to their environmental significance. These areas include:

I. Drinking Water Protected Areas: Areas designated for the abstraction of water intended for human consumption.

II. Areas for the Protection of Economically Significant Aquatic Species: Such as shellfish waters.

III. Recreational Waters: Including bathing waters.

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IV. Nutrient-Sensitive Areas: Such as nitrate vulnerable zones.

V. Areas for the Protection of Habitats and Species: Including those designated under the Habitats Directive and Birds Directive.

The register helps ensure that these areas are managed and their integrity protected to meet the Article No.4 objectives set out in the WFD.

4.4.1 Nature Conservation

The Habitats Directive (92/43/EEC) seeks to conserve natural habitats and wild fauna and flora by the designation of Special Areas of Conservation (SACs) and the Birds Directive (2009/147/EC) seeks to protect birds of special importance by the designation of Special Protection Areas (SPAs). SACs and SPAs are collectively known as Natura 2000 or European sites (referred to hereafter as Natura 2000 site).

National Heritage Areas (NHAs) are designations under the Wildlife Acts to protect habitats, species, or geology of national importance. The boundaries of many of the NHAs in Ireland overlap with SAC and/or SPA sites. Although many NHA designations are not yet fully in force under this legislation (referred to as 'proposed NHAs' or pNHAs), they are offered protection in the meantime under planning policy which normally requires that planning authorities give recognition to their ecological value.

There are four (4 No.) Natura 2000 sites that are identified with a potential hydraulic connection to the site and Proposed Development. There are also one (1 No.) pNHAs identified with a potential hydraulic connection to the site and the Proposed Development. The Natura 2000 sites and other protected and designated sites or areas with a potential hydraulic connection to the site are summarised below. The Natura 2000 sites and other protected and designated sites or areas with a potential hydraulic connection to the site are presented in Figure 4-3.

- Lough Corrib SAC (Site Code: 000297) – approximately 0.015km west of the site.
- Lough Corrib SPA (Site Code: 004042) – approximately 3.9km northwest of the site.
- Galway Bay Complex SAC (Site Code: 000268) – adjacent to site.
- Inner Galway Bay SPA (Site Code: 004031) – adjacent to site.

Other Natura 2000 Sites that are identified with a potential hydraulic connection to the Proposed Development but are located outside of the 15km buffer zone include:

- Black Head-Poulsallagh Complex SAC (Site Code: 000020).
- Inisheer Island SAC (Site Code: 001275).
- Inishmaan Island SAC (Site Code: 000212).
- Inishmore Island SAC (Site Code: 000213).
- Inishmore Island SPA (Site Code: 004152).
- Kilkieran Bay And Islands SAC (Site Code: 002111).

There are one (1No.) proposed NHA identified with a potential hydraulic connection to the Proposed Development:

- Galway Bay Complex (Site Code: 000268).

Other proposed NHAs that are identified with a potential hydraulic connection to the Proposed Development but are located outside of the 15km buffer zone include:

- Black Head-Poulsallagh Complex (Site Code: 000020).
- Inisheer Island (Site Code: 001275).
- Inishmaan Island (Site Code: 000212).
- Inishmore Island (Site Code: 000213).

Further details and assessment of the of the potential impacts of the Proposed Development on habitats, flora and fauna are included in Chapter 5 of the EIAR submitted with the planning application for the Proposed Development.

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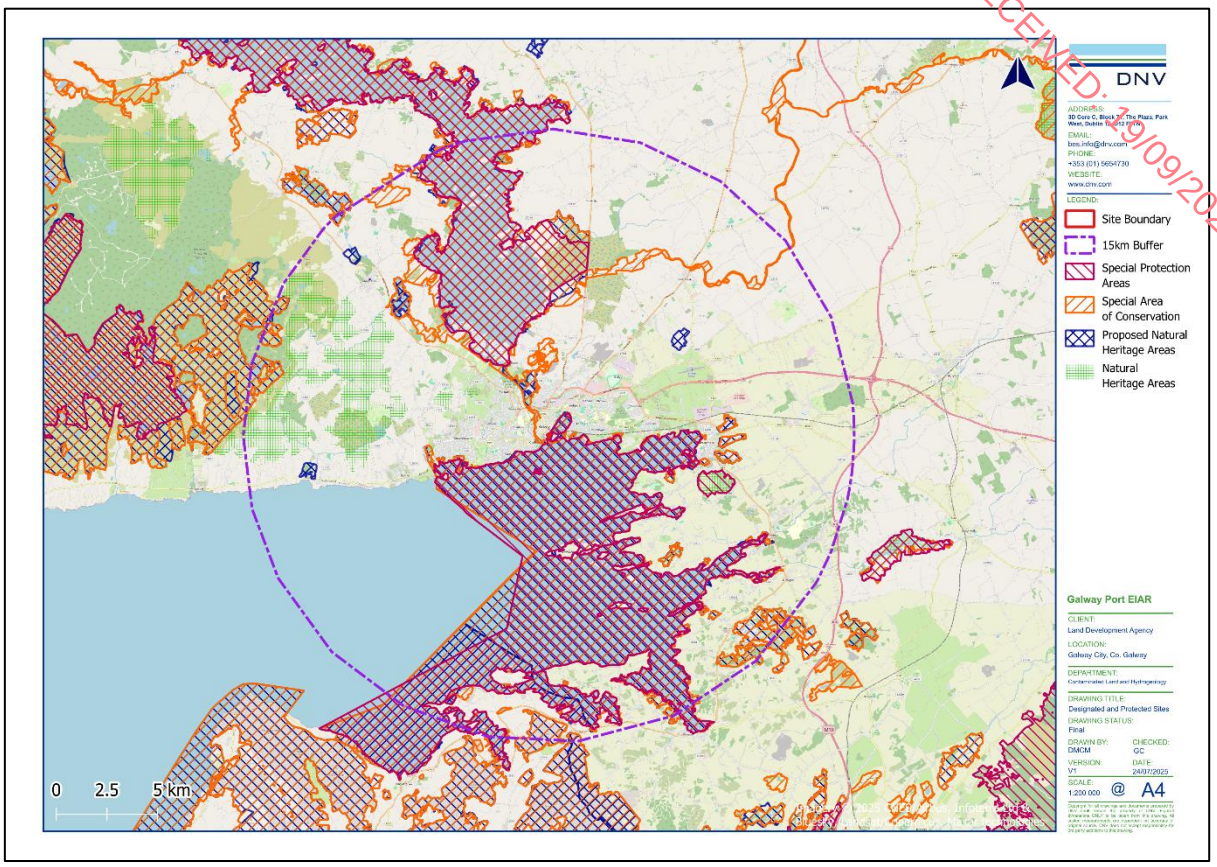

Figure 4-3. Designated and Protected Sites

4.4.2 Additional Protected Areas

The WFD brings together the processes and aims of a range of other European Directives, such as the Revised Bathing Water Directive (2006/7/EC), the Shellfish Directive (2006/113/EC) and the Conservation of Natural Habitats and of Wild Fauna and Flora Directive (92/43/EEC). These Directives establish protected areas to manage water, nutrients, chemicals, economically significant species, and wildlife, and have been brought in line with the planning timescales of the WFD.

4.4.2.1 Drinking Water

The river drinking water protected areas (DWPA) are represented by the full extent of the Water Framework Directive (WFD) river waterbodies from which there is a known qualifying abstraction of water for human consumption as defined under Article 7 of the WFD.

There are no surface water drinking water sources, under Article 7 of the Water Framework Directive, identified by the EPA (EPA, 2025) hydraulically downstream of the site (refer to section 4.6). However, the River Corrib (IE_WE_30C020600) 1.25km upstream of site and the groundwater body beneath the site, the Clarinbridge GWB (IE_WE_G_0008) are classified under Article 7 Abstraction for Drinking Water.

4.4.2.2 Shellfish Areas

Although the Shellfish Waters Directive (SWD) has been repealed, areas used for the production of shellfish that were designated under the SWD, are protected under the WFD as ‘areas designated for the protection of economically significant aquatic species’.

The requirement from a WFD perspective is to ensure that water quality does not impact on the quality of shellfish produced for human consumption. In Ireland, 64 areas have been designated as shellfish waters (S.I. No. 268 of 2006, S.I. No. 55 of 2009, S.I. 464 of 2009).

The closest designated Shellfish Area location is Clarinbridge/Kinvara Bay (IE_WE_160_0000) located approximately 5.8km south of the site.

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4.4.2.3 Nutrient Sensitive Areas

EU member states are required under the Urban Wastewater Treatment Directive (91/271/EEC) to identify nutrient-sensitive areas. These have been defined as “natural freshwater lakes, other freshwater bodies, estuaries and coastal waters which are found to be eutrophic or which in the near future may become eutrophic if protective action is not taken”.

The closest designated nutrient-sensitive area (estuaries and lakes) is Lough Derg on the River Shannon (IELK_SH_1994_0007-Urban Wastewater Treatment Directive Sensitive Area) located approximately 53.9km southwest of the site at its closest point. In addition, the closest nutrient-sensitive area (rivers) is the Fergus (IERI_SH_2010_0003-Urban Wastewater Treatment Directive Sensitive Area) located approximately 47.5km south of the site at its closest point.

4.4.2.4 Bathing Waters

Bathing waters are designated under Regulation 5 of Directive 2006/7/EC. Designated Bathing Waters exist under S.I. No. 79/2008 and S.I. No. 351/2011 Bathing Water Quality (Amendment) Regulations 2011. EC Bathing Water Profiles - Best Practice and Guidance 2009.

The closest designated Bathing Water location is Grattan Road Beach (IEWEBWT170_0700_0100), located approximately 1.5km southwest of the site. The Ballyloughane Beach (IEWEBWT170_0700_0200) bathing water area is located approximately 1.5km east of the site. There is a potential connection to those bathing water areas through the Corrib Estuary Transitional Waterbody.

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5 STAGE 1 – SCREENING FOR POTENTIAL EFFECTS

This stage aims to determine if the Proposed Development has the potential to impact WFD waterbodies. It involves gathering relevant design information of the Proposed Development and the baseline environment of potentially impacted waterbodies. Where no potential for impacts to receiving waterbodies are identified, Stage 2 and 3 of the assessment are not undertaken.

The screening stage includes the following:

- Initial screening to identify relevant water bodies using criteria such as direct impact, connectivity, and underlying groundwater bodies;
- Reviewing the RBMP to decide which water bodies to include; and
- Collecting baseline data and relevant design information of the Proposed Development.

The screening assesses the potential risk to WFD objectives based on design, implementation, and baseline data. Activities associated with the Proposed Development are divided into construction and operational phases, as detailed in Section 3. The assessment uses expert knowledge for a qualitative evaluation of potential risks to WFD objectives.

5.1 Surface Waterbodies

The methodology for screening surface waterbodies is based on proximity to the proposed works and scale and nature of the works likely to affect the waterbody in question. The initial study area extends beyond the site boundaries and includes a 2.0km radius of the site (i.e., Proposed Development) and potential receptors outside of this radius that are potentially hydrologically connected with the site which is based on the Institute of Geologists of Ireland (IGI) Guidelines (IGI, 2013). This broader study area is necessary to identify and evaluate all potential receptors that could be affected by the Proposed Development, either directly or indirectly. The distinction between the site and the study area is crucial. The site of the Proposed Development is the focal point of the Proposed Development, while the study area includes any potential hydrogeological / hydrological connections to sensitive receptors including habitats that might experience secondary effects.

The WFD status for river, lake, transitional and/or coastal water bodies that have a potential hydrological connection to the site as recorded by the EPA (EPA, 2025) in accordance with European Communities (Water Policy) Regulations 2003 (SI no. 722/2003) are provided in Table 5-1 which also presents the screening exercise undertaken for identified surface waterbodies within the study area.

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Table 5-1. Surface Waterbodies Screening Assessment

Waterbody Name	Waterbody EU Code	Screening Assessment	Justification
Terryland_010	IE_WE_30T010500	Screened Out	This surface waterbody is located approximately 1.2km north of the site. As detailed in the Galway City County Geological Site Report (GSI, 2020), the augmented flow originated during periods of elevated groundwater levels within the Terryland_010 river and eventually converges with the Corrib River approximately 1.16km northeast of the site. However, the Terryland_010 river is upstream of the site and separated from significant tidal interactions by a series of weirs along the Corrib River, notably the "Salmon Weir". Therefore, no pathway is present for potential effects on the Terryland Stream and it has been screened out of further assessment.
Corrib_020	IE_WE_30C020600	Screened In	Surface waterbody located approximately 0.58km north of the site at the point where it discharges into the Corrib Estuary. It is located upstream of the site and so unlikely to be affected by the construction and operation phases of the Proposed Development. There will be no works to be undertaken within the catchment of this waterbody and there are no proposed construction or operational activities that could potentially adversely affect the waterbody. However, given the proximity to the Corrib Estuary, it is potentially connected to the Estuary through tidal effect. Therefore, it has been screened in for further assessment.
Corrib Estuary Transitional Waterbody	IE_WE_170_0700	Screened In	This waterbody is located directly downstream of the Proposed Development, which has been screened in due to their proximity to the site (i.e. adjacent) and the fact that there is a hydraulic connection via the site and the Galway WWTP discharge. Furthermore, foul water from the Proposed Development will be discharged via the Galway WWTP to this waterbody and therefore, it has been screened in for further assessment.
Inner Galway Bay North Coastal Waterbody	IE_WE_170_0000	Screened In	Waterbody downstream of the Proposed Development which has been screened in based on its hydraulic connection with the Corrib Estuary and the Galway WWTP.
Inner Galway Bay South Coastal Waterbody	IE_WE_160_0000	Screened Out	There is an indirect connection to the site via the Inner Galway Bay North Coastal Waterbody. However, based on the significant separation distance from the site and substantial water volumes (i.e., dilution) associated with transitional and coastal waterbodies (i.e., Corrib Estuary and Inner Galway Bay North Coastal Waterbody), it is unlikely that construction and operational phase of the Proposed Development will have a potential to adversely affect water quality status. Furthermore, The Proposed Development is anticipated to have no potential to cause a deterioration in the status of these waterbodies or hinder the future attainment of good surface water quality objectives. Therefore, they have been screened out for further assessment.
Outer Galway Bay Coastal Waterbody	IE_WE_100_0000	Screened Out	

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5.2 Groundwater

Similar to surface waterbodies (refer to Section 5.1), the methodology for screening groundwater bodies is based on proximity to the site of the Proposed Development and the scale and nature of the works likely to effect the applicable waterbody or waterbodies.

The WFD status and risk for groundwater bodies that have a potential hydrological connection to the site as recorded by the EPA (EPA, 2025) in accordance with European Communities (Water Policy) Regulations 2003 (SI no. 722/2003) are provided in Table 5-2 and Figure 4-2.

Groundwater bodies (GWB) within the 2km radius of the site and Proposed Development were screened in for assessment. Therefore, the Clarinbridge GWB (Karstic) underlying the site has been screened in. The Spiddal GWB (Poorly productive bedrock) was also screened in as it is downgradient of the Clarinbridge GWB. No other groundwater bodies (i.e. Maam-Clonbur GWB, Clare-Corrib GWB and GWDTE-Lough Corrib Fen 1 (Menlough) (SAC000297) GWB) identified in the vicinity of the site are considered to be sufficiently close or hydraulically connected (i.e., upgradient of the site) to the site to have their status impacted as a result of the Proposed Development.

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Table 5-2. Groundwater Bodies Screening Assessment

Waterbody Name	Waterbody EU Code	Screening Assessment	Justification
Clarinbridge GWB	IE_WE_G_0008	Screened In	There is a potential pathway (i.e., direct hydrogeological link) for the residual contamination present within the shallow soils to enter the Clarinbridge GWB beneath the site, during the construction phase of the Proposed Development, via groundwater flow, which could potentially degrade the water quality of the 'not at risk' GWB (Clarinbridge GWB) if unmitigated. Construction works will temporarily increase groundwater vulnerability and exposure during the excavation of soils and subsoils and chemical testing results have indicated that shallow groundwater has been impacted by contamination in isolated areas. Additionally, according to previous site investigations (RSK, 2009, MKO, 2019, MKO, 2022 and GII, 2014), shallow groundwater may be encountered during the excavations required to achieve the required formation levels for the site, including building foundations, surface water and foul water drainage, roads and all other associated infrastructure. Therefore, this groundwater body has been screened in for potential impacts on the Clarinbridge GWB.
Spiddal GWB	IE_WE_G_0004	Screened In	Any dewatering required, including the pumping of groundwater, where encountered in excavations, could alter the local groundwater flow regime and contaminant distribution within the subsurface. This GWB is located downgradient of the site and also adjacent to the Corrib Estuary transitional waterbody and therefore, it has been screened in for further assessment due to its connectivity with the site and the Clarinbridge GWB.
Maam-Clonbur GWB	IE_WE_G_0006	Screened Out	GWB located northwest of the main GWB (Clarinbridge GWB), and upgradient of the Proposed Development in terms of regional groundwater flow direction. Groundworks during the construction phase of the Proposed Development will not have the potential to adversely affect the status of this GWB if unmitigated.
Clare-Corrib GWB	IE_WE_G_0020	Screened Out	GWB located north of the site, and upgradient of the Proposed Development in terms of regional groundwater flow direction. Therefore, unlikely to be affected during the construction phase of the Proposed Development, as the site is discharging into the Corrib Estuary, which is within the Clarinbridge GWB. Therefore, there is no potential to adversely affect the status of this GWB.
GWDTE-Lough Corrib Fen 1 (Menlough) (SAC000297) GWB	IE_WE_G_0119	Screened Out	GWB located north of the Clare-Corrib GWB, and upgradient of the Proposed Development in terms of regional groundwater flow direction. Therefore, there is no potential to adversely affect the status of this GWB if unmitigated.

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5.3 Register of Protected Areas

The WFD Register of Protected Areas is a comprehensive list of areas designated under the Water Framework Directive (WFD) that require special protection due to their environmental significance. These areas include:

- Drinking Water Protected Areas: Areas designated for the abstraction of water intended for human consumption;
- Areas for the Protection of Economically Significant Aquatic Species: Such as shellfish waters;
- Recreational Waters: Including bathing waters;
- Nutrient-Sensitive Areas: Such as nitrate vulnerable zones; and
- Areas for the Protection of Habitats and Species: Including those designated under the Habitats Directive and Birds Directive.

The register helps ensure that these areas are managed and their integrity protected to meet the Article No.4 objectives set out in the WFD.

The WFD and its associated directives provide a robust framework for the protection of water bodies, including protected areas. Guidance documents, such as the CIS guidance (European Commission, 2021. Common Implementation Strategy) on the delineation of water bodies and groundwater monitoring, clarify the requirements for protected areas and their integration into the overall water management strategy.

Given this integrated approach, a separate screening / risk evaluation for protected areas is not required. The existing assessment process already encompasses the necessary considerations and measures to protect these areas. The assessment ensures compliance with the WFD objectives including protected areas.

Potential impacts of the Proposed Development on protected areas are discussed further in Chapter 5 Biodiversity and Chapter 7 Hydrology and Hydrogeology of the Environmental Impact Assessment (EIAR) submitted with the planning application for the Proposed Development.

Although the Proposed Development does not directly interact with any designated protected areas, the potential for indirect effects via surface water or groundwater pathways cannot be ruled out at this stage (refer to section 5.5). Therefore, the screening process has taken into account the potential for the Proposed Development to influence the status or objectives of these protected areas. This includes consideration of the relevant River Basin Management Plans (RBMPs), the Water Action Plan 2024, and associated Programme of Measures (PoM), to ensure that the development does not conflict with national water protection objectives.

5.4 Water Action Plan (WAP) 2024 Programme of Measures

The Water Action Plan (WAP) provides information on the status and planned actions for surface waterbodies in Ireland. These entries offer insights into the specific measures being considered or implemented to improve the ecological status of the surface waterbodies.

The WAP identifies several key pressures impacting water quality in surface waterbodies across the country:

- Nutrient Pollution: Excessive levels of phosphorus and nitrogen from agricultural runoff are a significant concern. These nutrients can lead to eutrophication, which depletes oxygen in the water and harms aquatic life.
- Urban Pollution: Inadequately treated wastewater and stormwater runoff from urban areas contribute to the degradation of water quality. This includes pollutants such as heavy metals, oils, and other contaminants.
- Physical Modifications: Changes to the river's natural flow and structure, such as barriers and drainage works, disrupt the ecosystem and affect water quality; and
- Climate Change: Altered weather patterns and increased frequency of extreme weather events exacerbate existing pressures on water quality.

The WAP identifies several suggested actions to protect and restore water quality in surface waterbodies ensuring a sustainable and healthy aquatic environment. The actions include:

- Nutrient Management: Implementing stricter controls on agricultural practices to reduce nutrient runoff. This includes promoting the use of buffer strips, cover crops, and precision farming techniques.
- Improving Wastewater Treatment: Upgrading wastewater treatment facilities to ensure that effluents meet higher standards before being discharged into waterbodies.
- Restoring Natural Ecosystems: Removing or modifying barriers to restore natural river flow and habitat connectivity. This also involves re-naturalizing riverbanks and floodplains.
- Integrated Catchment Management: Developing and implementing catchment-specific management plans that address local pressures and involve stakeholders in decision-making processes; and

- Climate Adaptation Measures: Enhancing resilience to climate change by incorporating adaptive management strategies and investing in green infrastructure.

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As part of the screening process, the WAP 2024 has been reviewed to identify any relevant pressures or planned measures that may intersect with the Proposed Development. The WAP outlines key pressures on water quality in Ireland, including nutrient pollution from agriculture, urban wastewater discharges, physical modifications to watercourses, and the effects of climate change. These pressures are particularly relevant given the rural and hydrologically setting of the Proposed Development.

The screening has also considered the WAP's proposed actions, such as improved nutrient management, restoration of natural hydromorphology, and enhanced wastewater treatment, all of which aim to support the achievement of WFD objectives. The presence of these pressures and the alignment of the Proposed Development with the WAP's objectives are important considerations in determining whether the Proposed Development could contribute to cumulative impacts or conflict with existing Programme of Measures (PoM).

5.5 Drinking Water Protected Areas and Natura 2000 Sites

In addition to the direct potential impacts of the Proposed Development, the presence of protected areas—including Drinking Water Protected Areas and Natura 2000 sites—within the wider hydrological catchment necessitates consideration of indirect effects. While these sites may not be located immediately adjacent to the development footprint, potential hydrological connectivity through surface or groundwater pathways could result in downstream impacts. As part of the screening process, the Water Action Plan 2024 and the relevant River Basin Management Plans (RBMPs) have been reviewed to ensure that the Proposed Development does not conflict with national water quality objectives or compromise the implementation of any Programme of Measures (PoM) established to protect or improve water body status.

6 STAGE 2 – SCOPING FURTHER INVESTIGATIONS

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The publicly available data reviewed in this assessment has been deemed adequate for appraising the potential risks associated with the proposed development in relation to WFD article 4 objectives. The use of desk-based information is appropriate for this assessment due to the comprehensive nature of existing baseline data recorded as part of the EPA's ongoing WFD monitoring programme with supplemental data provided by organisations such as the GSI, NPWS and OPW. This provides sufficient insight into hydrological and hydrogeological conditions without necessitating further investigations.

7 STAGE 3 – WFD ASSESSMENT

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Potential effects of the Proposed Development on the WFD surface waterbody status (i.e., river waterbodies, transitional waterbodies, etc.) both during construction and operation have been considered. Refer to Section 1.1, Section 7.1, Section 7.2 and Section 7.3 for further assessment.

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7.1 Surface Waterbodies

7.1.1 Corrib_020 River

Table 7-1. Corrib River Waterbody

Receptor	Potential Impact (Construction)	Potential Impact (Operation)	Potential Impact of Proposed Development	Mitigation Required?
Hydromorphology quality	Yes	No	No works are proposed in or adjacent to this waterbody or its bank either during the construction or operational phases of the Proposed Development and there will be no direct discharges to or abstractions from surface water or groundwater at the Proposed Development and diversions of water courses are not required for the construction phase. However, excavations of soils and subsoils and stockpiling will be required as part of the construction phase of the Proposed Development which has the potential to mobilise the contamination present within the shallow soils (i.e., Made Ground) and suspended solids directly into the Corrib Estuary, potentially adversely affecting the hydromorphological quality of the Corrib River due to the tidal nature of the lower reaches of the waterbody. Nevertheless, given the separation distances and the fact that this waterbody is upgradient of the Proposed Development, it is envisaged that there will be no potential adverse effects to the hydromorphology quality of this waterbody (Corrib_020) during the construction and operational phases of the Proposed Development.	Mitigation measures required.
Biological quality	Yes	No	During the construction phase, there will be no direct discharges to or abstractions from surface water or groundwater at the Proposed Development and diversions of water courses are not required for the construction phase. However, surface runoff entering the open excavations could result in mobilisation of the identified hydrocarbon and other residual contamination in soil which has the potential to migrate directly into the Corrib Estuary and adversely affect the biological quality of the Corrib River due to its tidal nature. Furthermore, the use of deleterious materials such as fuels, oils and cementitious materials will be required to be used onsite through the construction phase and so, any fugitive emission has the potential to adversely affect the biological quality of this waterbody (i.e., Corrib River). No instream works or works along banks are proposed during either the construction or operational phase of the Proposed Development, so there will be no direct risk to biological quality.	Mitigation measures required.
Physico-Chemical quality	Yes	No	Surface water runoff entering the open excavations could result in mobilisation of the identified hydrocarbon and other residual contamination in the shallow soil which has the potential to migrate directly into the Corrib Estuary, as well as the release of suspended	Mitigation measures required.

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Receptor	Potential Impact (Construction)	Potential Impact (Operation)	Potential Impact of Proposed Development	Mitigation Required?
			solids entrained in surface runoff from haul routes to / from the site and adversely affect the physico-chemical quality of the Corrib River given its tidal nature. During the operational phase, there is limited potential for discharge of contaminated runoff to receiving water courses and no instream works or works along banks are proposed during either the construction or operational phase of the Proposed Development, so there will be no direct risk to habitats or species.	
Protected Sites	Yes	No	An Appropriate Assessment (AA) was conducted to assess potential direct and indirect effects of the proposed works, during the Construction Phase, on the integrity and qualifying interests of the European Sites. It was concluded that the possibility of any significant effects on the listed European sites below, whether arising from the Proposed Development itself or in combination with other plans and projects, could not be excluded in light of the European sites' conservation objectives. Therefore, a Natura Impact Statement (NIS) (submitted with the planning application under separate cover) detailing the findings of the Stage 2 Appropriate Assessment was conducted to further examine the potential direct and indirect impacts of the construction and operational phases of the Proposed Development on the following European sites: • Lough Corrib SAC (Site Code: 000297) • Lough Corrib SPA (Site Code: 004042) • Galway Bay Complex SAC (Site Code: 000268) • Inner Galway Bay SPA (Site Code: 004031) The NIS concluded that, once the avoidance and mitigation measures are implemented as proposed, the Proposed Development will not have an adverse effect on the integrity of the above European sites, individually or in combination with other plans and projects. Therefore, the Proposed Development will not adversely affect the integrity of any relevant European sites. Furthermore, there is no potential for significant effects during the operation phase of the Proposed Development. Refer to Chapter 5 (Biodiversity) of the EIAR and NIS submitted as separate cover with the planning application.	Mitigation measures required.

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7.2 Transitional Waterbodies

7.2.1 Corrib Estuary

Table 7-2. Corrib Estuary Transitional Waterbody

Receptor	Potential Impact (Construction)	Potential Impact (Operation)	Potential Impact of Proposed Development	Mitigation Required?
Hydromorphology quality	Yes	No	No works are proposed in or adjacent to this waterbody or its bank either during the construction or operational phases of the Proposed Development and there will be no direct discharges to or abstractions from surface water or groundwater at the Proposed Development and diversions of water courses are not required for the construction phase. However, excavations of soils and subsoils and stockpiling will be required as part of the construction phase of the Proposed Development which has the potential to mobilise the contamination present within the shallow soils (i.e., Made Ground) and suspended solids directly into the Corrib Estuary and adversely affect the hydromorphological quality of this receiving waterbody. No works along banks are proposed during the operational phase of the Proposed Development. Therefore, there will be no potential adverse effects to the hydromorphology quality of this transitional waterbody	Mitigation measures required.
Biological quality	Yes	No	During the construction phase, there will be no direct discharges to or abstractions from surface water or groundwater at the Proposed Development and diversions of water courses are not required for the construction phase. However, surface runoff entering the open excavations could result in mobilisation of the identified hydrocarbon and other residual contamination in soil which has the potential to migrate directly into the Corrib Estuary and adversely affect the biological quality of this receiving waterbody. Furthermore, the use of deleterious materials such as fuels, oils and cementitious materials will be required to be used onsite through the construction phase and so, any fugitive emission has the potential to adversely affect this waterbody. During the operational phase, there is no potential for discharge of contaminated runoff to receiving water courses. Surface water runoff from the Proposed Development will be managed in accordance with the principles and objectives of SuDS, treated, and attenuated before discharging to the Corrib Estuary transitional waterbody. No works along banks are proposed during the operational phase of the Proposed Development, so there will be no potential for effects to biological quality as a result.	Mitigation measures required.
Physico-Chemical quality	Yes	No	There will be no direct discharge to groundwater or surface water during the construction phase of the Proposed Development. However, in the event of a rainfall event, surface runoff entering the open excavations could result in mobilisation of the identified	Mitigation measures required.

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Receptor	Potential Impact (Construction)	Potential Impact (Operation)	Potential Impact of Proposed Development	Mitigation Required?
			hydrocarbon and other residual contamination in the shallow soil which has the potential to migrate directly into the Corrib Estuary and adversely affect the physico-chemical quality of this receiving waterbody. Additionally, the release of suspended solids entrained in surface runoff from haul routes to / from the site or other contaminants from groundworks areas and stockpiled soils could potentially enter offsite road gullies before discharging to the Corrib Estuary, which have the potential to also adversely affect the physico-chemical quality of this receiving waterbody. The groundwater vulnerability will temporarily be increased during the construction phase. Construction activities will include the use of potentially hazardous materials including cementitious materials, fuels and oils and other materials. A potential uncontrolled release of materials could result in for example through the failure of secondary containment or a materials handling accident could also result in this receiving waterbody being adversely affected (physico-chemical quality). During the operational phase, there is no potential for discharge of contaminated runoff to receiving water courses. Surface water runoff from the Proposed Development will be managed in accordance with the principles and objectives of SuDS, treated, and attenuated before discharging to the Corrib Estuary transitional waterbody. No riverbed works or works along banks are proposed during either the construction or operational phase of the Proposed Development, so there will be no direct risk to habitats or species.	
Protected Sites	Yes	No	An Appropriate Assessment (AA) or screening exercise was conducted to assess potential direct and indirect effects of the proposed works, during the Construction Phase, on the integrity and qualifying interests of the European Sites. It was concluded that the possibility of any significant effects on the listed European sites below, whether arising from the Proposed Development itself or in combination with other plans and projects, could not be excluded in light of the European sites' conservation objectives. Therefore, a Natura Impact Statement (NIS) (submitted with the planning application under separate cover) detailing the findings of the Stage 2 Appropriate Assessment was conducted to further examine the potential direct and indirect impacts of the construction and operational phases of the Proposed Development on the following European sites: • Lough Corrib SAC (Site Code: 000297) • Lough Corrib SPA (Site Code: 004042) • Galway Bay Complex SAC (Site Code: 000268) • Inner Galway Bay SPA (Site Code: 004031) The NIS concluded that, once the avoidance and mitigation measures are implemented as proposed, the Proposed Development will not have an adverse effect on the integrity	Mitigation measures required.

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Receptor	Potential Impact (Construction)	Potential Impact (Operation)	Potential Impact of Proposed Development	Mitigation Required?
			of the above European sites, individually or in combination with other plans and projects. Therefore, it was concluded that the Proposed Development will not adversely affect the integrity of any relevant European sites. Furthermore, there is no potential for significant effects during the operation phase of the Proposed Development. Refer to Chapter 5 (Biodiversity) of the EIAR and NIS submitted with the planning application.	

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7.3 Coastal Waterbodies

7.3.1 Inner Galway Bay North Coastal Waterbody

Table 7-3. Inner Galway Bay North Coastal Waterbody Impact Assessment

Receptor	Potential Impact (Construction)	Potential Impact (Operation)	Potential Impact of Proposed Development	Mitigation Required?
Hydromorphology quality	No	No	No works are proposed in or adjacent to the Inner Galway Bay North Coastal Waterbody. As such, it is considered that there is no potential for the Proposed Development to adversely affect hydromorphological status of receiving coastal waterbody.	None required.
Biological quality	No	No	No works are proposed in or near the Inner Galway Bay North Coastal Waterbody. Any works required within connected waterbodies are of a scale and nature as to have no potential to adversely effect the Biological quality of the coastal waterbody.	None required.
Physico-Chemical quality	No	No	Excavations of soils and subsoils could result in mobilisation of the identified hydrocarbon and other residual contamination in the shallow soil which has the potential to migrate directly into the Corrib Estuary and adversely affect the physico-chemical quality of this receiving waterbody, the Inner Galway Bay North. The release of suspended solids entrained in surface runoff from haul routes to / from the site or other contaminants from groundworks areas and stockpiled soils could potentially enter offsite road gullies before discharging to the Corrib Estuary, which has the potential to also adversely affect the physico-chemical quality of this receiving waterbody (i.e., Inner Galway Bay North). However, it is unlikely that it will have any significant effect on the overall status of the waterbody, given the separation distances from the Proposed Development and the tidal nature of this waterbody. Therefore, there will be no potential for adverse effects on the physico-chemical quality of this waterbody during the construction phase of the Proposed Development. Furthermore, there are no direct discharges from the Proposed Development to this waterbody, although an indirect connection exists through the Corrib Estuary waterbody and the Galway WWTP. However, it is considered that any effects associated with normal operational discharges of foul water to the Galway WWTP from the Proposed Development will be insignificant in regard to the coastal waterbody due to the distances involved and dilution within the waterbody. Based on the separation distances from the Proposed Development, there will be no potential for adverse effects on Physico-Chemical quality during either the construction or operational phase of the Proposed Development.	None required.
Protected Sites	Yes	No	An Appropriate Assessment (AA) or screening exercise was conducted to assess potential direct and indirect effects of the proposed works, during the Construction Phase, on the integrity and qualifying interests of the European Sites. It was concluded that the possibility of any significant effects on the listed European sites below, whether arising from the Proposed Development itself or in combination with other plans and projects,	Mitigation measures required.

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Receptor	Potential Impact (Construction)	Potential Impact (Operation)	Potential Impact of Proposed Development	Mitigation Required?
			could not be excluded in light of the European sites' conservation objectives. Therefore, a Natura Impact Statement (NIS) (submitted with the planning application under separate cover) detailing the findings of the Stage 2 Appropriate Assessment was conducted to further examine the potential direct and indirect impacts of the construction and operational phases of the Proposed Development on the following European sites: • Lough Corrib SAC (Site Code: 000297) • Lough Corrib SPA (Site Code: 004042) • Galway Bay Complex SAC (Site Code: 000268) • Inner Galway Bay SPA (Site Code: 004031) The NIS concluded that, once the avoidance and mitigation measures are implemented as proposed, the Proposed Development will not have an adverse effect on the integrity of the above European sites, individually or in combination with other plans and projects. Therefore, it was concluded that the Proposed Development will not adversely affect the integrity of any relevant European sites. Furthermore, there is no potential for significant effects during the operation phase of the Proposed Development. Refer to Chapter 5 (Biodiversity) of the EIAR and NIS submitted with the planning application.	

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7.4 Groundwater Bodies

7.4.1 Clarinbridge GWB

Table 7-4. Clarinbridge GWB Impact Assessment

Receptor	Potential Impact (Construction)	Potential Impact (Operation)	Potential Impact of Proposed Development	Mitigation Required?
Chemical quality	Yes	No	There will be no direct discharge to groundwater or surface water during the construction phase of the Proposed Development. Surface runoff will be managed during construction and there will be no unauthorised discharges of water from the site. However, in the event of a rainfall event, surface runoff entering the open excavations could result in mobilisation of the identified hydrocarbon and other residual contamination in soil which has the potential to migrate downwards to groundwater beneath the site. In addition, if existing monitoring wells are inadvertently damaged, there could be a potential for migration of surface runoff or other sources to migrate directly to groundwater which has the potential to adversely impact on the groundwater quality beneath the site and associated downstream receptors. Construction activities will include the use of potentially hazardous materials, including cementitious materials, fuels and oils and other materials. A potential uncontrolled release of materials could result from the failure of secondary containment, or a materials handling accident could also result in a potential effect on the receiving environment (i.e., underlying Clarinbridge GWB) which has the potential to adversely affect the chemical quality of this receiving waterbody. Any dewatering required, including the pumping of groundwater, where encountered in excavations, could alter the local groundwater flow regime and contaminant distribution within the subsurface (i.e., groundwater quality beneath the site). Proper mitigation measures during the construction phase will reduce the risk posed to the groundwater body chemical status to an acceptable level. During the operational phase of the Proposed Development, there will be no storage of hazardous material onsite and surface water runoff from the Proposed Development will be managed in accordance with SuDS and GDSDS. Therefore, it is considered that there will be no potential for adverse effects to chemical quality during the operational phase.	Mitigation measures required.
Quantitative quality	No	No	As reported in the previous site investigation reports, there is a layer of Made Ground across the site. To accommodate the Proposed Development, Made Ground, soils and subsoils will be excavated and removed offsite for disposal. The change in cover may result in change in the infiltration patterns due to the incorporation of the SuDS elements within the surface water drainage network, which will encourage continued groundwater recharge. However, as the bedrock aquifer beneath the site is a poor aquifer (bedrock which is generally unproductive except for local zones), the potential for infiltration and recharge may be limited. Therefore, it is considered that there will be little to no change to the overall recharge potential to the aquifer in the	None required.

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Receptor	Potential Impact (Construction)	Potential Impact (Operation)	Potential Impact of Proposed Development	Mitigation Required?
			Clarinbridge GWB. Additionally, during the operational phase there will be no discharges to groundwater or abstraction of groundwater as part of the Proposed Development. Therefore, in general it is considered that there exists limited potential for adverse effects to Groundwater quantitative quality during the construction or operational phase.	

7.4.2 Spiddal GWB

Table 7-5. Spiddal GWB Impact Assessment

Receptor	Potential Impact (Construction)	Potential Impact (Operation)	Potential Impact of Proposed Development	Mitigation Required?
Chemical quality	No	No	There will be no direct discharge to groundwater or surface water during the construction phase of the Proposed Development. Any potential contamination arising from the Proposed Development (i.e., surface runoff entering the open excavations, damaged existing monitoring wells, use of fuels and oils, failure of secondary containment, removal of made ground, soil and subsoils, stockpiling, etc.) has the potential to migrate directly downwards to the Clarinbridge GWB beneath the site, which has the potential to adversely impact on the groundwater quality beneath the site and associated downstream receptors (i.e., Spiddal GWB). However, due to the poor aquifer nature of the bedrock aquifer beneath both GWBs, and the potential attenuation of contaminants within the groundwater, it is unlikely that the chemical quality of the Spiddal GWB will be adversely affected by the Proposed Development. Any dewatering required, including the pumping of groundwater, where encountered in excavations, at the Proposed Development could alter the local groundwater flow regime and contaminant distribution within the subsurface (i.e., groundwater quality beneath the site). However, this could only affect a small area of the aquifer and will be highly localised. Therefore, it is unlikely that the chemical quality of the Spiddal GWB will be affected by the Proposed Development. In general, it is considered that there will be no potential for adverse effects on the chemical quality of this GWB during the construction or operational phases of the Proposed Development.	None required.
Quantitative quality	No	No	The change in land cover at the Proposed Development which may result in a change in the infiltration patterns due to the incorporation of the SuDS elements within the surface water drainage network, and which will encourage continued groundwater recharge is unlikely to adversely affect the quantitative quality of the Spiddal GWB. Therefore, it is considered that there will be no potential for adverse effects on the chemical quality of this GWB during the construction or operational phases of the Proposed Development.	None required.

8 DESIGN AVOIDANCE AND MITIGATION

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The measures outlined in this section of the report will ensure that there will be no potential for adverse effects on waterbody status. The effective implementation of these measures will ensure that the Proposed Development will not have any impact on compliance with the EU Water Framework Directive, European Communities (Environmental Objectives) Surface Water Regulations (S.I. 272 of 2009 and as amended) and the European Communities Environmental Objectives (Groundwater) Regulations (S.I. No. 9 of 2010 and as amended) individually or in combination.

Incorporated Design Mitigations:

The excavation of Made Ground soils impacted with anthropogenic contamination and permanent removal off-site is a design requirement of the Proposed Development. As part of incorporated design measures for the Proposed Development in-situ soil validation samples will be collected to ensure that residual contamination in soil has been removed offsite.
In accordance with current UKWIR16 guidance, the design for the proposed development will include the use of barrier pipes for water supply in certain areas of the site to prevent potential permeation of contaminants into drinking water supplies. Barrier pipe is a reinforced pipe used to protect water supplies from certain contaminants present in the soil, which can permeate or degrade standard MDPE (medium-density polyethylene) pipes and compromise water quality.
The design and specification of the concrete will be undertaken by a suitably qualified engineer during the detailed design stage.
The site is located in the proximity to Galway Bay and the River Corrib, which is estuarine in nature, suggesting a heightened risk of coastal flooding. As documented in Stage 2 FRA (TOBIN, 2025), in order to protect the site against the 1 in 1000-year (0.1% AEP) MRFS flood event, which is required for critical infrastructure, the FFL (floor level) at the site is required to be at a minimum 5.05mOD to account for climate change and a freeboard of 300mm.

8.1 Construction Phase

During the construction phase, all works will be undertaken in accordance with the Construction Environmental Management Plan (CEMP) (DNV, 2025) and the Resource and Waste Management Plan (RWMP) (AWN, 2025). Following appointment, the contractor will be required to further develop the CEMP and RWMP to provide detailed construction phasing and methods to manage and prevent any potential emissions to ground and surface water with regard to the relevant industry standards (e.g., Guidance for Consultants and Contractors, CIRIA-C532', CIRIA, 2001). The CEMP and RWMP will be implemented for the duration of the Construction Phase, covering construction and waste management activities that will take place during the construction phase of the Proposed Development.

Refer to the EIAR (Water Chapter - Volume 3) submitted with the planning application for the full mitigation measures proposed for the Proposed Development.

These measures will address the main activities of potential impact which include:

- Control and management of contaminated soil;
- Control and management of surface water runoff;
- Control and management of water including potentially contaminated groundwater and management of dewatering activities;
- Piling;
- Borehole decommissioning;
- Control and handling of cementitious materials;
- Appropriate fuel and chemical handling, transport and storage;
- Management of accidental release of contaminants at the site;
- Flooding; and
- Welfare facilities.

Contaminated soil will be encountered during groundworks at the site (refer to Chapter 6 of the EIAR for further details). It is anticipated that the majority of contaminated soils will be excavated during bulk excavations for the Proposed Development. Nevertheless, as part of incorporated design measures for the Proposed Development in-situ soil validation samples will be collected to ensure that residual contamination in soil has been removed offsite. The removal of the residual soil source will be undertaken under supervision of the Project Environmental Consultant and validated in accordance with relevant guidelines including EPA 'Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites' (EPA, 2013a) and guidance and standards current at the time of construction works to ensure that a 'clean edge' is reached in the area of excavation.

The removal of localised hotspots should be undertaken prior to the bulk excavation works for the construction of building foundations, utility infrastructure and other works to reduce the potential risks associated with exposure of soils to rainfall or surface runoff and leaching to groundwater.

Where possible, stockpiling of soils and subsoils onsite will be avoided. However, in the event that stockpiling is required, stockpiled materials, pending reuse onsite, where required, will be located away from the location of any sensitive receptors (watercourses and drains). In accordance with Inland Fisheries Ireland guidelines (*Guidelines on Protection of Fisheries During Construction Works in and Adjacent to Waters, 2016)*, stockpiles will not be allowed within 50m of the open water where sufficient working areas are available within the site boundary.

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- Surface water from the surrounding areas will be prevented from draining into the open excavations onsite during construction works through the use of temporary bunds / sandbags around excavation areas to provide diversion of surface water away from excavations. A 10m buffer zone will be established around any open drainage courses and road gullies during construction works and other methods such as bunding implemented where appropriate to ensure that all watercourses or drainage gullies are appropriately isolated;
- Where surface water runoff must be pumped from the excavations, water will be managed in accordance with best practice standards (i.e., CIRIA C750), the CEMP (DNV, 2025) and regulatory consents to minimise the potential impact on the local groundwater flow regime within the underlying aquifer and surface water bodies; and
- Unauthorised discharge of water (groundwater / surface water runoff) to ground, drains or watercourses will not be permitted. The appointed Contractor will ensure that the discharge of water to ground, drains or watercourses will be in accordance with the necessary discharge licences issued by UÉ under Section 16 of the Local Government (Water Pollution) Acts and Regulations for any water discharges to sewer or from Galway City Council under Section 4 of the Local Government (Water Pollution) Act 1977, as amended in 1990 for discharges to surface water.

Shallow groundwater may be encountered during excavations required to achieve the required formation levels for the site including building foundations, surface water and foul water drainage, roads and all other associated infrastructure. Groundwater control is likely to be achieved within shallow excavations within the Made Ground by adopting a sump and pump system around the perimeter of the excavation (MKO 2022).

The results of chemical testing indicate that shallow groundwater has been impacted by contamination in isolated locations. Where water must be pumped from the excavations, water will be managed through robust dewatering methodologies in accordance industry best practice standards (i.e., CIRIA – C750) that will be designed by the contractor to minimise the potential impact on the local groundwater flow regime.

- Dewatering must be carried out in cells or localised work areas and larger scale dewatering of the entire site must be avoided to prevent an extensive groundwater drawdown across the site and potential mobilisation of contaminants present in localised areas beneath the site and / or outside of the site boundary;
- The current groundwater flow regime must not be altered to ensure any risk of increasing the distribution of contaminants within the groundwater beneath the site; and
- Monitoring of groundwater levels and contaminant concentrations around the periphery of the works area will be required as part of the groundwater management.

There will be no authorised discharge of water to ground during the construction phase. Where dewatering of shallow groundwater is required or where surface water runoff must be pumped from the excavations, water will be discharged by the contractor to sewer in accordance with the necessary discharge licences issued by UÉ under Section 16 of the Local Government (Water Pollution) Acts and Regulations for any water discharges to sewer or from FCC under Section 4 of the Local Government (Water Pollution) Act 1977, as amended in 1990 for discharges to surface water. To facilitate this, a temporary water treatment facility, including holding tanks and other necessary apparatus (such as activated carbon filtration and silt busters), will be constructed onsite. This facility will ensure compliance with the conditions of the temporary discharge consent. Water will be treated and pumped to a holding area, where it will be sampled and tested by the contractor before discharge. Upon receiving analysis results and screening against required consent limits, the contractor will arrange for appropriate disposal. Groundwater will be treated and discharged to sewer in accordance with the temporary discharge consent.

Untreated wastewater generated onsite (from equipment washing, road sweeping etc.) will not be released offsite. Where required, all public sewers will be protected using appropriate measures (e.g. sand bags, drain covers, silt socks, filter booms) to prevent the discharge of any untreated wastewater into the public sewer system.

Given the presence of contamination (i.e., hydrocarbons, PAHs, heavy metals, cyanide) in soil and groundwater beneath the site, a piling risk assessment willbe completed by the appointed Contractor at detailed design stage and in advance of construction works commencing onsite. The piling methodology will refer to the Environment Agency's (EA) guidance on 'Piling into Contaminated Sites' (EA, 2002) and 'Piling and Penetrative Ground

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Improvement Methods on Land Affected by Contamination: Guidance on Pollution Prevention' (EA, 2001), (or similar best practice) in order to minimise the potential for the introduction of any temporary conduit between any potential sources of contamination at the ground surface, made ground and underlying groundwater. The piling method will also include procedures to ensure any potential impact to water quality is prevented including preventing surface runoff or other piling/drilling fluids from entering the pile bores and surrounding formation. Where there is a requirement to use lubricants, drilling fluids or additives the contractor will use water-based, biodegradable, and non-hazardous compounds under controlled conditions.

Existing groundwater monitoring wells at the site that are no longer required will be decommissioned in advance of construction works commencing. This work will be undertaken prior to the bulk excavation works for the construction of building foundations, utility infrastructure and other works to remove any direct conduit or pathway from ground surface for any contaminants to enter groundwater beneath the site.

Prior to commencing the demolition works, all wells must be inspected. The proposed schedule of wells to be decommissioned will be identified by the appointed Contractor in advance of construction works commencing onsite.

Monitoring wells within the site to be retained during the construction phase of the Proposed Development will be protected to ensure that the well head is not damaged during works. Any required wells that will unavoidably be removed during construction works will be decommissioned and replaced with a new monitoring well.

Decommissioning of wells will be undertaken in strict accordance with current best-practice at the time of decommissioning and at a minimum the specifications outlined in EPA Advice Note 14 (EPA, 2013b). This will remove any potential direct conduit for contaminants to enter the groundwater directly and potentially migrate offsite.

Any wells to be retained must be appropriately protected from damage during construction works using precast concrete rings, steel road plates or permanent metal bollards to protect them from damage throughout the works. Clear legible signage must be maintained, and daily inspection of the integrity of wells and protection measures completed.

Emergency procedures will be developed by the appointed Contractor in advance of works commencing and spillage kits will be available onsite including in vehicles operating onsite. Remedial action will be immediately implemented to address any potential effects in accordance with industry standards and legislative requirements, which will ensure minimal risk to the receiving hydrological and hydrogeological environment associated with the construction phase of the Proposed Development. The following mitigation measures will be adhered to as follows:

- Any required emergency vehicle or equipment maintenance work will take place in a designated impermeable area within the Proposed Development site;
- Emergency response procedures and contingency plans will be put in place, in the unlikely event of emergency accidents (i.e., spillages of fuels or lubricants);
- Spill kits, including oil absorbent material, will be provided and available onsite, so that any spillage of fuels, lubricants or hydraulic oils will be immediately contained;
- In the event of a leak or spill from equipment in the instance of a mechanical breakdown during operation, any contaminated soil will be removed from the Proposed Development site and compliantly disposed offsite in accordance with the RWMP (AWN, 2025) and all relevant waste management regulations. Residual soil will be tested to validate that all potentially contaminated material has been removed. This procedure will be undertaken in accordance with industry best practice procedures, standards and EPA guidelines;
- All site staff (i.e., construction staff) will be briefed as part of site inductions/toolbox talks and will be familiar with the emergency procedures in the event of accidental fuel spillages; and
- All construction works staff onsite will be fully trained on the use of equipment.

This procedure will be undertaken in accordance with industry best practice procedures and standards. These measures will ensure that there is minimal risk to the receiving land, soil and geology associated with the construction stage of the Proposed Development

Welfare facilities have the potential, if not managed appropriately, to release organic and other contaminants to ground or surface water courses. Foul drainage from temporary welfare facilities during the construction phase of the Proposed Development will be discharged to temporary holding tank(s) the contents of which will periodically be tankered offsite to a licensed facility. All waste from welfare facilities will be managed in accordance with the relevant statutory obligations by an appropriately authorised contractor.

Any connection to the public foul drainage network during the construction phase of the Proposed Development will be undertaken in accordance with the necessary temporary discharge licences issued by Uisce Eireann (UÉ).

8.2 Operational Phase

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As discussed below, based on the design of the Proposed Development there are limited potential sources of contamination during the operational phase. There will be no risk to water quality including groundwater and surface water associated with the operational phase of the Proposed Development. It is considered that the design of the Proposed Development is in line with the objectives of the Water Framework Directive (2000/60/EC), as amended (WFD) to prevent or limit any potential impact on water quality.

The design of the Proposed Development includes the excavation and removal of made ground soils impacted with anthropogenic contamination. In addition, as part of incorporated design measures for the Proposed Development in-situ soil validation samples will be collected to ensure that residual contamination in soil has been removed offsite.

There will be no requirement for bulk storage of petroleum hydrocarbon-based fuels during the operational phase, as the main operating systems for heating will be either communal (centralised) heat pump solution which delivers better energy performance or Exhaust Air Heat Pump (EAHP) solution thereby removing any potential contaminant sources associated with fuels.

There will be no discharges to ground from drainage and only rainfall on public / communal open spaces will infiltrate to ground. All drainage from paved areas along roads and impermeable roads will be collected and managed within the surface water drainage and SuDS solutions as outlined in the Civil Works Design Report (Tobin, 2025).

The surface water management strategy (section 3.2.1) includes a number of measures that will capture any potentially contaminating compounds (hydrocarbons, metals, and suspended sediments) in surface water runoff from the higher risk areas including roads and the impermeable areas that could potentially otherwise discharge to groundwater or receiving water courses in the vicinity of the site. The measures incorporated in the SuDS design include a combination of water butts, rain gardens, swales, tree pits, permeable paving, and drainage kerbs with infiltration trenches/filter strips. The SuDS measures implemented will be effective in the treatment and removal of any contaminants (metals, hydrocarbons and suspended solids) entrained in surface water runoff. The effectiveness of these SuDS measures is documented in TII guidance (TII, 2014). Furthermore, prior to discharging from the site, water will pass through a Bypass Separator that will be effective in removal of hydrocarbons that may enter the drainage system in particular in the event of worst-case scenario spill incident (e.g., collision on the roadway resulting in the loss of fuel from a vehicle).

Ongoing regular operational monitoring and maintenance of drainage and the SuDS measures will be incorporated into the overall management strategy for the Proposed Development. This will ensure that there are no impacts on water quality and quantity (flow regime) during the operational phase of the Proposed Development.

Accordingly, any potential impact on receiving surface water and groundwater beneath the Proposed Development site will be avoided taking account of the design proposals. Therefore, it is considered that the water quality protection criteria and objectives of the GDSDS and Water Framework Directive will be achieved.

There is no other requirement for mitigation measures for the operational phase of the Proposed Development.

8.3 Residual Risk to Waterbody Status

The effects of the design avoidance and mitigation measures have been assessed and summarised in Table 8-1, which provides a summary of the predicted or potential status changes associated with the Proposed Development, with and without mitigation. In all cases, the proposed mitigation measures are sufficient to meet the WFD objectives. The Proposed Development will not cause any deterioration, and all mitigation measures will ensure compliance with the Directive's objective to maintain or improve water quality. Similarly, the objectives of the WFD Register of Protected Areas will not be compromised and their long-term integrity will be preserved.

Table 8-1. Summary of WFD Status for Unmitigated and Mitigated Scenarios

Name	EPA Code	Current Status (2016-2021)[1]	Current WFD Risk	Potential Unmitigated Status Change	Potential Mitigated Status Change
Construction Phase					
Surface Waterbody					
Corrib River	IE_WE_30C020600	Good	Not at Risk	Moderate	Good
Transitional waterbody					

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Name	EPA Code	Current Status (2016-2021)[1]	Current WFD Risk	Potential Unmitigated Status Change	Potential Mitigated Status Change
Corrib Estuary	IE_WE_170_0700	Moderate	Review	Poor	Moderate
Coastal waterbody					
Inner Galway Bay North	IE_WE_170_0000	Good	Not at Risk	Good	Good
Groundwater Waterbody					
Clarinbridge GWB	IE_WE_G_0008	Good	Not at Risk	Poor	Good
Spiddal GWB	IE_WE_G_0004	Good	Not at Risk	Poor	Good
Operational Phase					
Surface Waterbody					
Corrib River	IE_WE_30C020600	Good	Not at Risk	Good	Good
Transitional waterbody					
Corrib Estuary	IE_WE_170_0700	Moderate	Review	Poor	Moderate
Coastal waterbody					
Inner Galway Bay North	IE_WE_170_0000	Good	Not at Risk	Good	Good
Groundwater Waterbody					
Clarinbridge	IE_EA_G_025	Good	Not at Risk	Poor	Good
Spiddal GWB	IE_WE_G_0004	Good	Not at Risk	Good	Good

Note:

1. The 3rd cycle (2016–2021 monitoring) data was published in 2022 and forms the basis of the current River Basin Management Plan (RBMP) (2022–2027). The 4th cycle monitoring (2019–2024) is currently underway, with results expected to inform the next RBMP (2027–2033). The final national assessment for this cycle is expected to be published by the Environmental Protection Agency (EPA) in Q4-2025.

8.4 Potential Impact on Protected Areas Objectives

Based on the findings of this assessment, it is considered that in applying the precautionary principle and assessing a worst-case scenario there is no identified potential negative impact associated with the Proposed Development on the Protected Areas individually or in-combination.

8.5 Residual Cumulative Impacts

Cumulative effects are defined in the European Commission Guidelines for the Assessment of Indirect and Cumulative Impacts as well as Impact Interactions, defines cumulative effects as:

"*Impacts that result from incremental changes caused by other past, present or reasonably foreseeable actions together with the project*".

Effects caused by the interaction of multiple impacts, or by associated or off-site projects, are classed as indirect effects. Cumulative effects are often indirect in nature, arising from the accumulation of individually minor impacts that, when combined, may result in more significant environmental consequences. These effects may occur over time or across space and are particularly relevant where multiple developments interact with shared environmental receptors.

To ensure a robust and transparent assessment, the following selection criteria were applied to identify projects with the potential to contribute to cumulative effects:

The following selection criteria has been applied when identifying schemes with the potential to cause likely cumulative effects.

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1. Status of the Projects:
    - Existing: Projects that have been granted planning permission and are being constructed;
    - Approved: Projects that have been granted planning permission but not yet built; and
    - Reasonably Foreseeable: Projects that have been applied for but are not yet consented (adopting a more precautionary "reasonably foreseeable" approach).
2. Proximity to the Proposed Development:
    - All projects adjacent or within 100m of the Proposed Development, regardless of if size or use.
3. Scale of Development:
    - Projects that are EIAR developments or projects that exceed the following thresholds:
        - Residential: Developments comprising more than 150 residential units;
        - non-residential commercial projects over 10,000 square metres of floor space; and
        - Infrastructure developments (roads, flood defences) over 1km distance.
4. Wider Area Consideration
    - Projects meeting the criteria outlined in Point 3 and located within a 2km radius of the Proposed Development site.

Based on these criteria, a number of cumulative schemes were identified and are listed in Table 8-2. These include large-scale residential and mixed-use developments, strategic infrastructure projects, and hotel developments in close proximity to the Proposed Development.

Table 8-2 List of Cumulative Schemes

Application Reg. Ref.	Address	Development Proposed	Decision Date
GCC Reg. Ref. 2460108 (ABP/ACP Ref. 320100)	Corner of Lough Atalia Road and Bóthar na Long, Galway, H91 HY45	The development will include demolition of a vacant industrial structure (115 sq m), the external canopy structure (170 sq m) and the boundary walls along the southern, western and north-western boundaries of the site; and the construction of a 15 No. storey hotel (including part mezzanine at ground floor level) providing 189 No. bedrooms (7,514 sq m), incorporating food and beverage areas and provision of a single storey service building to the northwest of the site on a 0.2217 Ha site.	
GCC Reg. Ref. 20/47 (ABP/ACP Ref. 310568-21)	Lands to the rear of Ceannt Train Station, Station Road, Galway City	Large-scale, mixed-use development consisting of 376 no. apartments, retail units, café/restaurant/bar units, hotel, office use, childcare facility, car parking and other services and associated site works.	
ABP/ACP Ref. PA0033	Renmore and Townparks Townlands, Galway	Galway Harbour Extension	Currently awaiting final decision. Decision anticipated by the end of 2025.
ABP- 314597-22 Galway City Council	University Road to Dublin Road, Galway City	BusConnects Galway Cross-City Link Scheme	Grant Permission 27/09/2024

It is reasonable to assume that any approved, pending, or further information stage cumulative development has demonstrated (or will demonstrate prior to approval) no adverse environmental effects and the incorporation of good practice measures (e.g., construction phase and permanent SuDS, pollution prevention measures) into their

designs. Such measures are expected to manage surface water runoff rate, quantity, and quality, resulting in no adverse effect on waterbody status or WFD objectives.

In accordance with the requirements of the WFD, the cumulative assessment has considered the potential for combined effects arising from the Proposed Development and other relevant projects listed in Table 8-2. This includes consideration of whether such cumulative effects could impact the status of water bodies, protected areas, or the achievement of WFD environmental objectives. Based on the findings of this assessment, no likely significant cumulative effects are predicted.

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8.6 Potential Impact on Water Action Plan Programme of Measures

Based on the findings of this assessment, it is considered that in applying the precautionary principle and assessing a worst-case scenario the Proposed Development will have no adverse impacts on the implementation of the WAP Programme of Measures. Adverse impacts associated with historic urbanisation will be negated through the implementation of SuDS and appropriate treatment of foul effluent from the site.

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9 CONCLUSIONS

The findings of the risk-based assessment identified that in the absence of any mitigation and avoidance measures there could be a potential impact on the waterbody status within receiving water bodies associated with the Proposed Development, specifically within a local zone of the Clarinbridge GWB, and receiving waterbodies including the Corrib Estuary Transitional Waterbody, and the Inner Galway Bay North Coastal Waterbody.

The mitigation measures as outline above will prevent any impact on the receiving groundwater and surface water environment. Hence, the Proposed Development will not have any impact on compliance with the EU Water Framework Directive, European Communities (Environmental Objectives) Surface Water Regulations, 2009 (SI 272 of 2009, as amended 2012 (SI No 327 of 2012), and the European Communities Environmental Objectives (Groundwater) Regulations, 2010 (S.I. No. 9 of 2010), as amended 2012 (SI 149 of 2012) and 2016 (S.I. No. 366 of 2016).

The Proposed Development will not cause a deterioration in the status of waterbodies hydraulically connected with the Proposed Development, taking account of design avoidance and mitigation measures that will be implemented. The Proposed Development will not jeopardise the objective to achieve 'good' surface water status or good ecological potential.

There will be no impact to the existing WFD status of waterbodies associated with the Proposed Development including the Clarinbridge GWB, Corrib Estuary Transitional Waterbody, and downstream surface waterbodies as a result of the Proposed Development taking account of embedded design avoidance and mitigation measures.

Similarly, the objectives of the WFD Register of Protected Areas will not be compromised and their long-term integrity will be preserved.

9.1 WFD Article 4 Objectives Compliance Statement

The assessment contained within this report has comprehensively demonstrated that the Proposed Development adheres to the Article 4 objectives of the Water Framework Directive (WFD). Applying the precautionary principle and evaluating a worst-case scenario, it is evident that there are no adverse impacts to the Status of waterbodies, thus aligning with the objective to protect, enhance, and restore all bodies of surface water and groundwater, with the aim of achieving good surface water status by 2027.

Furthermore, the Proposed Development incorporates measures, such as Sustainable Drainage Systems (SuDS) and the appropriate management of construction stage runoff, which will prevent any deterioration in waterbody status and maintain high status where it already exists. Moreover, the necessary measures are being implemented with the aim of progressively reducing pollution in surface waters and groundwater, thereby fulfilling the objective of reducing pollution incrementally.

Regarding a derogation requirement, since none of the Article 4(7) criteria have been triggered, no Article 4(7) assessment is required. Therefore, authorisation for the Proposed Development may be permitted according to the Water Framework Directive (WFD).

Finally, the Proposed Development ensures that waterbodies associated with Protected Areas will not be subject to significant adverse effects, thereby safeguarding the environmental objectives set forth for such areas. Consequently, the proposed development is in full compliance with the overarching goal of achieving good surface water status by 2027 and maintaining the integrity of the water environment.

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Appendix 10-1

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Appendix 10-1 Unattended Noise Measurements

Raw unattended noise measurements undertaken on the site as part of the baseline noise survey. Table A10-1:1 1 below outlines the measurements in full.

Table A10-1 Raw Unattended Noise Measurement Data

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
05/02/2025	10:30:00	15min	Day	59	82	60	56
05/02/2025	10:45:00	15min	Day	59	82	61	55
05/02/2025	11:00:00	15min	Day	59	73	61	55
05/02/2025	11:15:00	15min	Day	58	70	61	55
05/02/2025	11:30:00	15min	Day	58	69	61	55
05/02/2025	11:45:00	15min	Day	59	75	61	55
05/02/2025	12:00:00	15min	Day	59	69	61	55
05/02/2025	12:15:00	15min	Day	65	87	65	56
05/02/2025	12:30:00	15min	Day	59	83	60	54
05/02/2025	12:45:00	15min	Day	58	71	61	55
05/02/2025	13:00:00	15min	Day	59	77	63	54
05/02/2025	13:15:00	15min	Day	57	76	59	52
05/02/2025	13:30:00	15min	Day	58	74	61	54
05/02/2025	13:45:00	15min	Day	58	74	60	54
05/02/2025	14:00:00	15min	Day	57	72	60	54
05/02/2025	14:15:00	15min	Day	59	72	62	56
05/02/2025	14:30:00	15min	Day	58	76	60	55
05/02/2025	14:45:00	15min	Day	58	78	60	54
05/02/2025	15:00:00	15min	Day	58	74	60	55
05/02/2025	15:15:00	15min	Day	58	78	60	54
05/02/2025	15:30:00	15min	Day	57	74	59	54
05/02/2025	15:45:00	15min	Day	57	71	59	53
05/02/2025	16:00:00	15min	Day	57	74	59	53
05/02/2025	16:15:00	15min	Day	55	70	57	51
05/02/2025	16:30:00	15min	Day	56	66	58	52
05/02/2025	16:45:00	15min	Day	55	69	57	51
05/02/2025	17:00:00	15min	Day	58	73	60	53
05/02/2025	17:15:00	15min	Day	55	73	59	51
05/02/2025	17:30:00	15min	Day	54	65	57	50
05/02/2025	17:45:00	15min	Day	53	70	55	48
05/02/2025	18:00:00	15min	Day	56	71	59	49
05/02/2025	18:15:00	15min	Day	53	68	55	50

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
05/02/2025	18:30:00	15min	Day	54	64	57	49
05/02/2025	18:45:00	15min	Day	54	68	56	49
05/02/2025	19:00:00	15min	Evening	55	62	57	51
05/02/2025	19:15:00	15min	Evening	56	63	58	52
05/02/2025	19:30:00	15min	Evening	55	72	57	48
05/02/2025	19:45:00	15min	Evening	55	66	57	50
05/02/2025	20:00:00	15min	Evening	54	64	57	50
05/02/2025	20:15:00	15min	Evening	55	64	58	49
05/02/2025	20:30:00	15min	Evening	54	63	58	48
05/02/2025	20:45:00	15min	Evening	54	68	56	47
05/02/2025	21:00:00	15min	Evening	54	68	57	49
05/02/2025	21:15:00	15min	Evening	54	64	57	47
05/02/2025	21:30:00	15min	Evening	53	61	56	46
05/02/2025	21:45:00	15min	Evening	53	64	56	46
05/02/2025	22:00:00	15min	Evening	53	66	56	45
05/02/2025	22:15:00	15min	Evening	53	63	56	45
05/02/2025	22:30:00	15min	Evening	52	62	55	43
05/02/2025	22:45:00	15min	Evening	51	61	54	44
05/02/2025	23:00:00	15min	Night	51	66	54	44
05/02/2025	23:15:00	15min	Night	52	65	56	46
05/02/2025	23:30:00	15min	Night	51	62	54	44
05/02/2025	23:45:00	15min	Night	52	66	55	46
06/02/2025	00:00:00	15min	Night	50	57	53	43
06/02/2025	00:15:00	15min	Night	50	58	53	43
06/02/2025	00:30:00	15min	Night	50	60	54	41
06/02/2025	00:45:00	15min	Night	48	60	52	40
06/02/2025	01:00:00	15min	Night	47	59	51	39
06/02/2025	01:15:00	15min	Night	48	57	52	40
06/02/2025	01:30:00	15min	Night	45	61	50	39
06/02/2025	01:45:00	15min	Night	48	61	51	41
06/02/2025	02:00:00	15min	Night	49	60	52	41
06/02/2025	02:15:00	15min	Night	47	59	51	39
06/02/2025	02:30:00	15min	Night	46	58	51	39
06/02/2025	02:45:00	15min	Night	47	61	52	41
06/02/2025	03:00:00	15min	Night	44	54	49	39
06/02/2025	03:15:00	15min	Night	45	68	47	40

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
06/02/2025	03:30:00	15min	Night	46	65	50	38
06/02/2025	03:45:00	15min	Night	46	58	51	38
06/02/2025	04:00:00	15min	Night	46	60	51	38
06/02/2025	04:15:00	15min	Night	48	63	51	39
06/02/2025	04:30:00	15min	Night	48	62	52	39
06/02/2025	04:45:00	15min	Night	49	63	54	40
06/02/2025	05:00:00	15min	Night	53	63	58	40
06/02/2025	05:15:00	15min	Night	52	64	57	41
06/02/2025	05:30:00	15min	Night	53	70	56	43
06/02/2025	05:45:00	15min	Night	53	62	57	45
06/02/2025	06:00:00	15min	Night	53	63	56	45
06/02/2025	06:15:00	15min	Night	54	65	57	46
06/02/2025	06:30:00	15min	Night	55	65	58	47
06/02/2025	06:45:00	15min	Night	58	77	60	50
06/02/2025	07:00:00	15min	Day	56	66	58	51
06/02/2025	07:15:00	15min	Day	56	70	59	52
06/02/2025	07:30:00	15min	Day	57	70	59	53
06/02/2025	07:45:00	15min	Day	57	73	59	54
06/02/2025	08:00:00	15min	Day	57	68	59	54
06/02/2025	08:15:00	15min	Day	59	83	60	56
06/02/2025	08:30:00	15min	Day	58	73	60	54
06/02/2025	08:45:00	15min	Day	57	67	59	53
06/02/2025	09:00:00	15min	Day	59	76	60	55
06/02/2025	09:15:00	15min	Day	59	68	61	55
06/02/2025	09:30:00	15min	Day	58	77	60	55
06/02/2025	09:45:00	15min	Day	58	72	60	53
06/02/2025	10:00:00	15min	Day	58	75	60	54
06/02/2025	10:15:00	15min	Day	58	77	59	54
06/02/2025	10:30:00	15min	Day	58	71	60	54
06/02/2025	10:45:00	15min	Day	57	68	59	53
06/02/2025	11:00:00	15min	Day	57	74	59	53
06/02/2025	11:15:00	15min	Day	58	82	60	54
06/02/2025	11:30:00	15min	Day	57	71	59	54
06/02/2025	11:45:00	15min	Day	57	67	59	53
06/02/2025	12:00:00	15min	Day	57	73	59	53
06/02/2025	12:15:00	15min	Day	57	75	58	53

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
06/02/2025	12:30:00	15min	Day	66	91	59	52
06/02/2025	12:45:00	15min	Day	56	71	58	53
06/02/2025	13:00:00	15min	Day	57	76	59	54
06/02/2025	13:15:00	15min	Day	57	75	59	53
06/02/2025	13:30:00	15min	Day	55	72	57	52
06/02/2025	13:45:00	15min	Day	55	65	57	52
06/02/2025	14:00:00	15min	Day	56	66	58	52
06/02/2025	14:15:00	15min	Day	57	74	59	53
06/02/2025	14:30:00	15min	Day	57	68	59	54
06/02/2025	14:45:00	15min	Day	57	79	58	54
06/02/2025	15:00:00	15min	Day	56	65	58	52
06/02/2025	15:15:00	15min	Day	56	72	57	53
06/02/2025	15:30:00	15min	Day	56	70	58	53
06/02/2025	15:45:00	15min	Day	56	69	58	52
06/02/2025	16:00:00	15min	Day	57	67	59	54
06/02/2025	16:15:00	15min	Day	54	68	56	50
06/02/2025	16:30:00	15min	Day	53	63	55	50
06/02/2025	16:45:00	15min	Day	54	83	54	48
06/02/2025	17:00:00	15min	Day	53	71	55	50
06/02/2025	17:15:00	15min	Day	53	69	56	49
06/02/2025	17:30:00	15min	Day	54	66	56	50
06/02/2025	17:45:00	15min	Day	53	64	56	49
06/02/2025	18:00:00	15min	Day	53	63	56	48
06/02/2025	18:15:00	15min	Day	52	67	54	47
06/02/2025	18:30:00	15min	Day	52	63	55	47
06/02/2025	18:45:00	15min	Day	53	68	55	48
06/02/2025	19:00:00	15min	Evening	55	72	57	51
06/02/2025	19:15:00	15min	Evening	61	83	60	52
06/02/2025	19:30:00	15min	Evening	56	69	57	52
06/02/2025	19:45:00	15min	Evening	56	74	58	52
06/02/2025	20:00:00	15min	Evening	56	68	59	51
06/02/2025	20:15:00	15min	Evening	55	70	57	51
06/02/2025	20:30:00	15min	Evening	55	69	58	50
06/02/2025	20:45:00	15min	Evening	55	66	57	49
06/02/2025	21:00:00	15min	Evening	54	65	57	49
06/02/2025	21:15:00	15min	Evening	54	61	57	48

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
06/02/2025	21:30:00	15min	Evening	53	62	56	49
06/02/2025	21:45:00	15min	Evening	53	68	56	45
06/02/2025	22:00:00	15min	Evening	53	61	56	47
06/02/2025	22:15:00	15min	Evening	54	67	57	47
06/02/2025	22:30:00	15min	Evening	55	77	57	48
06/02/2025	22:45:00	15min	Evening	53	60	56	46
06/02/2025	23:00:00	15min	Night	53	76	56	46
06/02/2025	23:15:00	15min	Night	52	65	56	44
06/02/2025	23:30:00	15min	Night	52	62	56	45
06/02/2025	23:45:00	15min	Night	52	75	55	44
07/02/2025	00:00:00	15min	Night	52	60	55	46
07/02/2025	00:15:00	15min	Night	51	60	55	44
07/02/2025	00:30:00	15min	Night	52	62	55	45
07/02/2025	00:45:00	15min	Night	49	59	53	44
07/02/2025	01:00:00	15min	Night	48	60	52	41
07/02/2025	01:15:00	15min	Night	49	59	52	42
07/02/2025	01:30:00	15min	Night	49	59	53	41
07/02/2025	01:45:00	15min	Night	47	59	51	41
07/02/2025	02:00:00	15min	Night	51	71	55	41
07/02/2025	02:15:00	15min	Night	49	64	53	41
07/02/2025	02:30:00	15min	Night	49	61	53	42
07/02/2025	02:45:00	15min	Night	49	65	53	40
07/02/2025	03:00:00	15min	Night	54	71	57	40
07/02/2025	03:15:00	15min	Night	48	64	52	40
07/02/2025	03:30:00	15min	Night	44	56	48	39
07/02/2025	03:45:00	15min	Night	46	61	51	38
07/02/2025	04:00:00	15min	Night	52	67	54	44
07/02/2025	04:15:00	15min	Night	47	65	48	38
07/02/2025	04:30:00	15min	Night	47	59	51	40
07/02/2025	04:45:00	15min	Night	51	64	56	41
07/02/2025	05:00:00	15min	Night	52	66	56	43
07/02/2025	05:15:00	15min	Night	50	61	54	43
07/02/2025	05:30:00	15min	Night	54	66	57	47
07/02/2025	05:45:00	15min	Night	54	70	56	48
07/02/2025	06:00:00	15min	Night	54	65	57	47
07/02/2025	06:15:00	15min	Night	56	76	58	49

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
07/02/2025	06:30:00	15min	Night	55	68	58	50
07/02/2025	06:45:00	15min	Night	57	81	60	52
07/02/2025	07:00:00	15min	Day	57	66	59	52
07/02/2025	07:15:00	15min	Day	58	66	60	54
07/02/2025	07:30:00	15min	Day	58	72	60	55
07/02/2025	07:45:00	15min	Day	59	72	61	55
07/02/2025	08:00:00	15min	Day	59	72	61	55
07/02/2025	08:15:00	15min	Day	58	72	60	55
07/02/2025	08:30:00	15min	Day	58	71	60	55
07/02/2025	08:45:00	15min	Day	59	70	61	55
07/02/2025	09:00:00	15min	Day	59	70	62	56
07/02/2025	09:15:00	15min	Day	59	75	61	55
07/02/2025	09:30:00	15min	Day	58	68	60	55
07/02/2025	09:45:00	15min	Day	59	71	61	55
07/02/2025	10:00:00	15min	Day	57	70	59	54
07/02/2025	10:15:00	15min	Day	58	69	61	54
07/02/2025	10:30:00	15min	Day	58	70	60	53
07/02/2025	10:45:00	15min	Day	57	65	59	52
07/02/2025	11:00:00	15min	Day	58	73	60	54
07/02/2025	11:15:00	15min	Day	59	78	60	55
07/02/2025	11:30:00	15min	Day	59	80	60	54
07/02/2025	11:45:00	15min	Day	58	70	60	55
07/02/2025	12:00:00	15min	Day	58	70	60	54
07/02/2025	12:15:00	15min	Day	58	75	60	54
07/02/2025	12:30:00	15min	Day	58	74	60	55
07/02/2025	12:45:00	15min	Day	59	71	60	55
07/02/2025	13:00:00	15min	Day	58	66	60	55
07/02/2025	13:15:00	15min	Day	57	64	59	55
07/02/2025	13:30:00	15min	Day	59	81	60	55
07/02/2025	13:45:00	15min	Day	58	75	60	56
07/02/2025	14:00:00	15min	Day	57	66	59	54
07/02/2025	14:15:00	15min	Day	57	71	60	53
07/02/2025	14:30:00	15min	Day	57	79	59	54
07/02/2025	14:45:00	15min	Day	58	66	60	55
07/02/2025	15:00:00	15min	Day	56	66	58	52
07/02/2025	15:15:00	15min	Day	58	69	59	54

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
07/02/2025	15:30:00	15min	Day	59	70	61	55
07/02/2025	15:45:00	15min	Day	58	73	61	54
07/02/2025	16:00:00	15min	Day	59	71	61	55
07/02/2025	16:15:00	15min	Day	57	74	59	55
07/02/2025	16:30:00	15min	Day	57	80	59	54
07/02/2025	16:45:00	15min	Day	60	84	60	54
07/02/2025	17:00:00	15min	Day	58	70	60	55
07/02/2025	17:15:00	15min	Day	57	71	59	53
07/02/2025	17:30:00	15min	Day	57	80	59	51
07/02/2025	17:45:00	15min	Day	55	70	57	52
07/02/2025	18:00:00	15min	Day	57	63	59	54
07/02/2025	18:15:00	15min	Day	57	71	59	55
07/02/2025	18:30:00	15min	Day	57	64	59	53
07/02/2025	18:45:00	15min	Day	59	72	61	55
07/02/2025	19:00:00	15min	Evening	57	66	59	53
07/02/2025	19:15:00	15min	Evening	57	71	59	53
07/02/2025	19:30:00	15min	Evening	57	69	60	53
07/02/2025	19:45:00	15min	Evening	56	62	58	51
07/02/2025	20:00:00	15min	Evening	56	65	58	51
07/02/2025	20:15:00	15min	Evening	55	63	58	51
07/02/2025	20:30:00	15min	Evening	56	67	58	52
07/02/2025	20:45:00	15min	Evening	55	65	57	50
07/02/2025	21:00:00	15min	Evening	56	72	59	51
07/02/2025	21:15:00	15min	Evening	55	63	57	50
07/02/2025	21:30:00	15min	Evening	55	70	58	49
07/02/2025	21:45:00	15min	Evening	55	66	58	48
07/02/2025	22:00:00	15min	Evening	54	66	57	49
07/02/2025	22:15:00	15min	Evening	54	64	57	47
07/02/2025	22:30:00	15min	Evening	54	62	56	47
07/02/2025	22:45:00	15min	Evening	54	63	56	49
07/02/2025	23:00:00	15min	Night	53	61	56	48
07/02/2025	23:15:00	15min	Night	54	62	57	48
07/02/2025	23:30:00	15min	Night	53	61	56	49
07/02/2025	23:45:00	15min	Night	53	63	56	46
08/02/2025	00:00:00	15min	Night	52	62	55	45
08/02/2025	00:15:00	15min	Night	52	66	55	44

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
08/02/2025	00:30:00	15min	Night	51	61	55	43
08/02/2025	00:45:00	15min	Night	51	60	55	44
08/02/2025	01:00:00	15min	Night	51	63	55	44
08/02/2025	01:15:00	15min	Night	51	62	55	42
08/02/2025	01:30:00	15min	Night	50	64	54	44
08/02/2025	01:45:00	15min	Night	52	64	55	45
08/02/2025	02:00:00	15min	Night	50	61	54	43
08/02/2025	02:15:00	15min	Night	51	63	55	44
08/02/2025	02:30:00	15min	Night	49	59	53	43
08/02/2025	02:45:00	15min	Night	49	60	52	41
08/02/2025	03:00:00	15min	Night	47	61	51	40
08/02/2025	03:15:00	15min	Night	48	58	52	40
08/02/2025	03:30:00	15min	Night	47	60	52	39
08/02/2025	03:45:00	15min	Night	47	57	51	40
08/02/2025	04:00:00	15min	Night	46	60	51	37
08/02/2025	04:15:00	15min	Night	47	61	51	38
08/02/2025	04:30:00	15min	Night	47	62	50	38
08/02/2025	04:45:00	15min	Night	46	59	50	37
08/02/2025	05:00:00	15min	Night	47	61	51	39
08/02/2025	05:15:00	15min	Night	51	70	55	40
08/02/2025	05:30:00	15min	Night	52	64	56	41
08/02/2025	05:45:00	15min	Night	53	67	57	45
08/02/2025	06:00:00	15min	Night	54	65	57	47
08/02/2025	06:15:00	15min	Night	53	66	57	46
08/02/2025	06:30:00	15min	Night	54	65	58	47
08/02/2025	06:45:00	15min	Night	55	64	58	48
08/02/2025	07:00:00	15min	Day	57	78	59	50
08/02/2025	07:15:00	15min	Day	55	66	58	50
08/02/2025	07:30:00	15min	Day	57	73	60	51
08/02/2025	07:45:00	15min	Day	57	68	60	52
08/02/2025	08:00:00	15min	Day	57	70	60	52
08/02/2025	08:15:00	15min	Day	57	76	59	51
08/02/2025	08:30:00	15min	Day	57	70	60	51
08/02/2025	08:45:00	15min	Day	57	66	60	53
08/02/2025	09:00:00	15min	Day	57	68	59	53
08/02/2025	09:15:00	15min	Day	57	77	59	52

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
08/02/2025	09:30:00	15min	Day	57	67	59	52
08/02/2025	09:45:00	15min	Day	58	67	60	54
08/02/2025	10:00:00	15min	Day	58	71	60	54
08/02/2025	10:15:00	15min	Day	57	70	60	54
08/02/2025	10:30:00	15min	Day	58	65	60	55
08/02/2025	10:45:00	15min	Day	57	68	59	54
08/02/2025	11:00:00	15min	Day	57	68	59	54
08/02/2025	11:15:00	15min	Day	58	72	60	55
08/02/2025	11:30:00	15min	Day	57	65	59	53
08/02/2025	11:45:00	15min	Day	55	63	57	51
08/02/2025	12:00:00	15min	Day	56	67	59	53
08/02/2025	12:15:00	15min	Day	56	63	58	53
08/02/2025	12:30:00	15min	Day	57	68	59	53
08/02/2025	12:45:00	15min	Day	57	69	59	53
08/02/2025	13:00:00	15min	Day	57	66	59	54
08/02/2025	13:15:00	15min	Day	57	65	59	53
08/02/2025	13:30:00	15min	Day	56	63	58	53
08/02/2025	13:45:00	15min	Day	56	62	58	52
08/02/2025	14:00:00	15min	Day	55	67	58	52
08/02/2025	14:15:00	15min	Day	54	62	57	51
08/02/2025	14:30:00	15min	Day	56	69	58	52
08/02/2025	14:45:00	15min	Day	56	62	58	52
08/02/2025	15:00:00	15min	Day	56	66	58	52
08/02/2025	15:15:00	15min	Day	55	61	57	51
08/02/2025	15:30:00	15min	Day	59	85	58	53
08/02/2025	15:45:00	15min	Day	56	67	58	52
08/02/2025	16:00:00	15min	Day	55	65	58	51
08/02/2025	16:15:00	15min	Day	56	63	58	53
08/02/2025	16:30:00	15min	Day	56	66	58	52
08/02/2025	16:45:00	15min	Day	55	64	58	51
08/02/2025	17:00:00	15min	Day	53	72	55	49
08/02/2025	17:15:00	15min	Day	53	69	55	49
08/02/2025	17:30:00	15min	Day	54	75	55	51
08/02/2025	17:45:00	15min	Day	58	80	55	49
08/02/2025	18:00:00	15min	Day	62	83	57	50
08/02/2025	18:15:00	15min	Day	52	64	54	48

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
08/02/2025	18:30:00	15min	Day	52	72	54	48
08/02/2025	18:45:00	15min	Day	53	70	55	49
08/02/2025	19:00:00	15min	Evening	53	71	55	49
08/02/2025	19:15:00	15min	Evening	56	64	58	52
08/02/2025	19:30:00	15min	Evening	56	61	58	52
08/02/2025	19:45:00	15min	Evening	56	67	58	52
08/02/2025	20:00:00	15min	Evening	55	62	57	50
08/02/2025	20:15:00	15min	Evening	56	68	59	52
08/02/2025	20:30:00	15min	Evening	55	66	58	51
08/02/2025	20:45:00	15min	Evening	56	70	58	51
08/02/2025	21:00:00	15min	Evening	56	62	58	52
08/02/2025	21:15:00	15min	Evening	57	71	59	53
08/02/2025	21:30:00	15min	Evening	57	65	59	53
08/02/2025	21:45:00	15min	Evening	57	67	59	53
08/02/2025	22:00:00	15min	Evening	56	68	58	52
08/02/2025	22:15:00	15min	Evening	55	62	58	50
08/02/2025	22:30:00	15min	Evening	54	63	57	49
08/02/2025	22:45:00	15min	Evening	54	64	56	48
08/02/2025	23:00:00	15min	Night	54	64	57	49
08/02/2025	23:15:00	15min	Night	53	64	56	48
08/02/2025	23:30:00	15min	Night	53	60	56	48
08/02/2025	23:45:00	15min	Night	55	71	57	49
09/02/2025	00:00:00	15min	Night	54	62	57	48
09/02/2025	00:15:00	15min	Night	52	62	56	46
09/02/2025	00:30:00	15min	Night	53	70	56	47
09/02/2025	00:45:00	15min	Night	53	64	56	47
09/02/2025	01:00:00	15min	Night	53	64	57	46
09/02/2025	01:15:00	15min	Night	53	61	56	46
09/02/2025	01:30:00	15min	Night	53	69	56	46
09/02/2025	01:45:00	15min	Night	51	59	55	45
09/02/2025	02:00:00	15min	Night	52	61	55	45
09/02/2025	02:15:00	15min	Night	52	64	55	46
09/02/2025	02:30:00	15min	Night	51	61	55	46
09/02/2025	02:45:00	15min	Night	52	63	55	47
09/02/2025	03:00:00	15min	Night	51	60	54	44
09/02/2025	03:15:00	15min	Night	49	59	53	43

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
09/02/2025	03:30:00	15min	Night	48	58	53	42
09/02/2025	03:45:00	15min	Night	47	60	51	40
09/02/2025	04:00:00	15min	Night	45	57	48	39
09/02/2025	04:15:00	15min	Night	46	60	50	40
09/02/2025	04:30:00	15min	Night	45	59	49	39
09/02/2025	04:45:00	15min	Night	46	57	50	40
09/02/2025	05:00:00	15min	Night	48	62	52	39
09/02/2025	05:15:00	15min	Night	47	59	51	40
09/02/2025	05:30:00	15min	Night	49	66	53	40
09/02/2025	05:45:00	15min	Night	48	60	52	40
09/02/2025	06:00:00	15min	Night	49	62	52	42
09/02/2025	06:15:00	15min	Night	50	64	54	42
09/02/2025	06:30:00	15min	Night	52	66	56	43
09/02/2025	06:45:00	15min	Night	52	61	55	44
09/02/2025	07:00:00	15min	Day	53	64	56	47
09/02/2025	07:15:00	15min	Day	54	69	57	48
09/02/2025	07:30:00	15min	Day	55	67	58	50
09/02/2025	07:45:00	15min	Day	55	64	58	49
09/02/2025	08:00:00	15min	Day	55	68	58	49
09/02/2025	08:15:00	15min	Day	54	70	57	49
09/02/2025	08:30:00	15min	Day	54	64	57	48
09/02/2025	08:45:00	15min	Day	55	65	58	50
09/02/2025	09:00:00	15min	Day	55	63	58	49
09/02/2025	09:15:00	15min	Day	55	68	58	50
09/02/2025	09:30:00	15min	Day	57	67	59	51
09/02/2025	09:45:00	15min	Day	56	67	59	51
09/02/2025	10:00:00	15min	Day	56	65	59	52
09/02/2025	10:15:00	15min	Day	58	72	60	54
09/02/2025	10:30:00	15min	Day	57	69	60	53
09/02/2025	10:45:00	15min	Day	58	71	61	54
09/02/2025	11:00:00	15min	Day	58	64	60	55
09/02/2025	11:15:00	15min	Day	58	69	60	55
09/02/2025	11:30:00	15min	Day	57	65	60	54
09/02/2025	11:45:00	15min	Day	58	69	60	54
09/02/2025	12:00:00	15min	Day	58	75	60	56
09/02/2025	12:15:00	15min	Day	57	71	59	54

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
09/02/2025	12:30:00	15min	Day	58	69	61	54
09/02/2025	12:45:00	15min	Day	58	72	60	54
09/02/2025	13:00:00	15min	Day	57	66	60	53
09/02/2025	13:15:00	15min	Day	57	65	59	54
09/02/2025	13:30:00	15min	Day	58	73	59	54
09/02/2025	13:45:00	15min	Day	57	65	59	54
09/02/2025	14:00:00	15min	Day	57	71	59	53
09/02/2025	14:15:00	15min	Day	57	63	59	54
09/02/2025	14:30:00	15min	Day	59	81	60	54
09/02/2025	14:45:00	15min	Day	58	66	60	54
09/02/2025	15:00:00	15min	Day	58	70	60	54
09/02/2025	15:15:00	15min	Day	57	66	60	52
09/02/2025	15:30:00	15min	Day	56	68	59	52
09/02/2025	15:45:00	15min	Day	57	70	60	53
09/02/2025	16:00:00	15min	Day	57	69	59	53
09/02/2025	16:15:00	15min	Day	56	68	59	52
09/02/2025	16:30:00	15min	Day	56	66	59	53
09/02/2025	16:45:00	15min	Day	56	65	59	53
09/02/2025	17:00:00	15min	Day	58	71	61	54
09/02/2025	17:15:00	15min	Day	58	66	60	54
09/02/2025	17:30:00	15min	Day	57	66	59	53
09/02/2025	17:45:00	15min	Day	57	63	59	53
09/02/2025	18:00:00	15min	Day	56	69	59	52
09/02/2025	18:15:00	15min	Day	57	77	59	52
09/02/2025	18:30:00	15min	Day	56	63	59	52
09/02/2025	18:45:00	15min	Day	57	73	60	52
09/02/2025	19:00:00	15min	Evening	57	63	59	53
09/02/2025	19:15:00	15min	Evening	57	74	59	53
09/02/2025	19:30:00	15min	Evening	57	68	59	53
09/02/2025	19:45:00	15min	Evening	56	64	58	49
09/02/2025	20:00:00	15min	Evening	55	66	58	50
09/02/2025	20:15:00	15min	Evening	55	67	58	50
09/02/2025	20:30:00	15min	Evening	55	68	58	51
09/02/2025	20:45:00	15min	Evening	54	62	57	49
09/02/2025	21:00:00	15min	Evening	54	63	57	49
09/02/2025	21:15:00	15min	Evening	53	63	56	47

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
09/02/2025	21:30:00	15min	Evening	54	62	57	47
09/02/2025	21:45:00	15min	Evening	54	75	57	46
09/02/2025	22:00:00	15min	Evening	53	66	55	46
09/02/2025	22:15:00	15min	Evening	53	65	55	46
09/02/2025	22:30:00	15min	Evening	53	61	56	47
09/02/2025	22:45:00	15min	Evening	54	61	57	48
09/02/2025	23:00:00	15min	Night	52	62	55	46
09/02/2025	23:15:00	15min	Night	50	60	54	42
09/02/2025	23:30:00	15min	Night	51	63	55	43
09/02/2025	23:45:00	15min	Night	51	63	54	42
10/02/2025	00:00:00	15min	Night	51	65	55	43
10/02/2025	00:15:00	15min	Night	50	60	54	40
10/02/2025	00:30:00	15min	Night	50	61	55	40
10/02/2025	00:45:00	15min	Night	49	66	53	39
10/02/2025	01:00:00	15min	Night	49	67	53	39
10/02/2025	01:15:00	15min	Night	48	60	52	40
10/02/2025	01:30:00	15min	Night	49	63	53	40
10/02/2025	01:45:00	15min	Night	49	60	53	39
10/02/2025	02:00:00	15min	Night	45	56	50	39
10/02/2025	02:15:00	15min	Night	47	61	51	39
10/02/2025	02:30:00	15min	Night	44	58	46	40
10/02/2025	02:45:00	15min	Night	47	61	52	40
10/02/2025	03:00:00	15min	Night	47	68	49	39
10/02/2025	03:15:00	15min	Night	45	58	50	40
10/02/2025	03:30:00	15min	Night	48	66	52	40
10/02/2025	03:45:00	15min	Night	47	61	50	38
10/02/2025	04:00:00	15min	Night	47	61	51	40
10/02/2025	04:15:00	15min	Night	46	60	50	38
10/02/2025	04:30:00	15min	Night	48	63	51	40
10/02/2025	04:45:00	15min	Night	50	62	55	41
10/02/2025	05:00:00	15min	Night	52	69	56	45
10/02/2025	05:15:00	15min	Night	51	66	55	44
10/02/2025	05:30:00	15min	Night	54	74	57	46
10/02/2025	05:45:00	15min	Night	55	65	58	46
10/02/2025	06:00:00	15min	Night	55	70	58	47
10/02/2025	06:15:00	15min	Night	55	66	58	47

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
10/02/2025	06:30:00	15min	Night	56	64	59	51
10/02/2025	06:45:00	15min	Night	57	70	60	52
10/02/2025	07:00:00	15min	Day	57	68	60	53
10/02/2025	07:15:00	15min	Day	58	69	61	55
10/02/2025	07:30:00	15min	Day	58	70	60	55
10/02/2025	07:45:00	15min	Day	60	81	61	56
10/02/2025	08:00:00	15min	Day	59	74	61	56
10/02/2025	08:15:00	15min	Day	59	69	61	56
10/02/2025	08:30:00	15min	Day	59	68	62	56
10/02/2025	08:45:00	15min	Day	60	76	61	56
10/02/2025	09:00:00	15min	Day	59	70	61	56
10/02/2025	09:15:00	15min	Day	59	71	61	55
10/02/2025	09:30:00	15min	Day	58	68	60	55
10/02/2025	09:45:00	15min	Day	58	70	60	55
10/02/2025	10:00:00	15min	Day	58	81	60	55
10/02/2025	10:15:00	15min	Day	58	77	60	54
10/02/2025	10:30:00	15min	Day	58	66	60	55
10/02/2025	10:45:00	15min	Day	58	67	60	55
10/02/2025	11:00:00	15min	Day	58	69	60	55
10/02/2025	11:15:00	15min	Day	59	77	60	56
10/02/2025	11:30:00	15min	Day	58	69	60	54
10/02/2025	11:45:00	15min	Day	58	67	60	56
10/02/2025	12:00:00	15min	Day	59	72	61	56
10/02/2025	12:15:00	15min	Day	58	69	60	55
10/02/2025	12:30:00	15min	Day	59	70	61	55
10/02/2025	12:45:00	15min	Day	59	69	61	55
10/02/2025	13:00:00	15min	Day	58	67	60	55
10/02/2025	13:15:00	15min	Day	58	65	60	55
10/02/2025	13:30:00	15min	Day	58	73	60	56
10/02/2025	13:45:00	15min	Day	58	69	60	56
10/02/2025	14:00:00	15min	Day	58	75	60	54
10/02/2025	14:15:00	15min	Day	59	74	60	54
10/02/2025	14:30:00	15min	Day	58	70	60	55
10/02/2025	14:45:00	15min	Day	57	70	59	55
10/02/2025	15:00:00	15min	Day	58	70	60	55
10/02/2025	15:15:00	15min	Day	59	70	61	55

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
10/02/2025	15:30:00	15min	Day	58	68	60	55
10/02/2025	15:45:00	15min	Day	59	76	61	56
10/02/2025	16:00:00	15min	Day	59	75	61	56
10/02/2025	16:15:00	15min	Day	58	68	60	54
10/02/2025	16:30:00	15min	Day	55	65	58	52
10/02/2025	16:45:00	15min	Day	54	63	57	51
10/02/2025	17:00:00	15min	Day	55	73	57	51
10/02/2025	17:15:00	15min	Day	55	75	58	51
10/02/2025	17:30:00	15min	Day	54	63	57	51
10/02/2025	17:45:00	15min	Day	55	68	57	51
10/02/2025	18:00:00	15min	Day	57	66	59	53
10/02/2025	18:15:00	15min	Day	57	80	59	52
10/02/2025	18:30:00	15min	Day	57	67	59	53
10/02/2025	18:45:00	15min	Day	58	69	60	53
10/02/2025	19:00:00	15min	Evening	57	66	59	53
10/02/2025	19:15:00	15min	Evening	56	65	58	52
10/02/2025	19:30:00	15min	Evening	56	69	58	51
10/02/2025	19:45:00	15min	Evening	56	67	59	52
10/02/2025	20:00:00	15min	Evening	57	68	59	51
10/02/2025	20:15:00	15min	Evening	56	64	58	50
10/02/2025	20:30:00	15min	Evening	55	63	58	50
10/02/2025	20:45:00	15min	Evening	57	71	59	51
10/02/2025	21:00:00	15min	Evening	56	64	58	51
10/02/2025	21:15:00	15min	Evening	57	65	59	50
10/02/2025	21:30:00	15min	Evening	56	74	59	49
10/02/2025	21:45:00	15min	Evening	55	67	57	49
10/02/2025	22:00:00	15min	Evening	55	68	58	48
10/02/2025	22:15:00	15min	Evening	54	64	57	48
10/02/2025	22:30:00	15min	Evening	54	64	57	47
10/02/2025	22:45:00	15min	Evening	53	66	56	47
10/02/2025	23:00:00	15min	Night	53	67	57	45
10/02/2025	23:15:00	15min	Night	53	67	57	46
10/02/2025	23:30:00	15min	Night	52	60	55	45
10/02/2025	23:45:00	15min	Night	54	67	57	47
11/02/2025	00:00:00	15min	Night	53	65	56	44
11/02/2025	00:15:00	15min	Night	53	66	56	45

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
11/02/2025	00:30:00	15min	Night	53	62	56	46
11/02/2025	00:45:00	15min	Night	52	65	56	43
11/02/2025	01:00:00	15min	Night	48	58	52	41
11/02/2025	01:15:00	15min	Night	49	59	54	40
11/02/2025	01:30:00	15min	Night	50	63	54	41
11/02/2025	01:45:00	15min	Night	49	58	53	42
11/02/2025	02:00:00	15min	Night	47	58	52	39
11/02/2025	02:15:00	15min	Night	50	59	54	42
11/02/2025	02:30:00	15min	Night	48	59	52	42
11/02/2025	02:45:00	15min	Night	49	61	52	43
11/02/2025	03:00:00	15min	Night	48	62	52	42
11/02/2025	03:15:00	15min	Night	48	63	52	42
11/02/2025	03:30:00	15min	Night	46	60	50	41
11/02/2025	03:45:00	15min	Night	46	61	49	40
11/02/2025	04:00:00	15min	Night	47	63	52	41
11/02/2025	04:15:00	15min	Night	49	64	51	43
11/02/2025	04:30:00	15min	Night	48	62	52	41
11/02/2025	04:45:00	15min	Night	52	64	56	43
11/02/2025	05:00:00	15min	Night	52	64	57	43
11/02/2025	05:15:00	15min	Night	52	62	55	44
11/02/2025	05:30:00	15min	Night	54	66	58	46
11/02/2025	05:45:00	15min	Night	56	68	59	49
11/02/2025	06:00:00	15min	Night	55	79	57	47
11/02/2025	06:15:00	15min	Night	55	64	58	50
11/02/2025	06:30:00	15min	Night	56	65	59	51
11/02/2025	06:45:00	15min	Night	57	68	60	53
11/02/2025	07:00:00	15min	Day	58	74	61	54
11/02/2025	07:15:00	15min	Day	58	65	60	54
11/02/2025	07:30:00	15min	Day	59	73	60	56
11/02/2025	07:45:00	15min	Day	59	66	61	56
11/02/2025	08:00:00	15min	Day	59	69	61	56
11/02/2025	08:15:00	15min	Day	59	71	61	55
11/02/2025	08:30:00	15min	Day	57	65	60	54
11/02/2025	08:45:00	15min	Day	58	71	60	55
11/02/2025	09:00:00	15min	Day	58	69	60	55
11/02/2025	09:15:00	15min	Day	58	67	60	55

RECEIVED: 19/09/2025

Date	Time	Duration	Period	Recorded Noise Levels			
				$L_{Aeq,15min}$ dB	$L_{AFmax,15min}$ dB	$L_{AF10,15min}$ dB	$L_{AF90,15min}$ dB
11/02/2025	09:30:00	15min	Day	59	68	61	56
11/02/2025	09:45:00	15min	Day	58	75	60	55
11/02/2025	10:00:00	15min	Day	58	68	60	55
11/02/2025	10:15:00	15min	Day	58	67	60	54
11/02/2025	10:30:00	15min	Day	58	71	60	54
11/02/2025	10:45:00	15min	Day	59	73	61	56
11/02/2025	11:00:00	15min	Day	58	70	61	55
11/02/2025	11:15:00	15min	Day	58	74	60	55
11/02/2025	11:30:00	15min	Day	58	69	60	55
11/02/2025	11:45:00	15min	Day	58	71	60	55
11/02/2025	12:00:00	15min	Day	61	86	61	54
11/02/2025	12:15:00	15min	Day	59	71	61	55
11/02/2025	12:30:00	15min	Day	58	68	60	54
11/02/2025	12:45:00	15min	Day	59	80	60	54
11/02/2025	13:00:00	15min	Day	58	77	60	55
11/02/2025	13:15:00	15min	Day	57	64	59	54
11/02/2025	13:30:00	15min	Day	57	76	59	54
11/02/2025	13:45:00	15min	Day	59	69	61	55

Appendix 10-2

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WAVE DYNAMICS
ACOUSTIC CONSULTANTS

Galway Port

Acoustic Design Statement

28 August 2025

WDA240611RP_A_01

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Document Information

Project Name:	Galway Port
Address:	Lough Atalia Road, Galway
Project Number	WDA240611
Report Title	Acoustic Design Statement
Client	Land Development Agency (LDA)

Document History

Revision	Status	Description	Author	Reviewer	Issue Date
A	Issued	Acoustic Design Statement	Cathal Reck	Sean Rocks	28/08/2025

Dublin Office
Wave Dynamics
Unit 302 Nesta Business Centre,
Old Airport Road,
Santry, Dublin 9
D09 HP96

Wexford Office
Wave Dynamics
Unit 14 Enterprise Centre,
Gorey Business Park,
Ramstown Gorey, Co. Wexford
Y25 Y2C8

Cork Office
Wave Dynamics
Cube Building,
Monaghan Rd,
Cork,
T12 H1XY

Phone (Dub/Wex): +353 (0)1 9125070
Phone (Cork): +353 (0)21 2032017
Phone (UK): +44 20 8157 2967
Email: info@wdacoustics.com
Web: www.wdacoustics.com

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Executive Summary

Wave Dynamics were engaged by the Land Development Agency (LDA) as the acoustic consultants to undertake an Inward Noise Impact Assessment for the planning application for the proposed large-scale residential development at Galway Port, Lough Atalia Road, Galway.

The development consists of:

The Land Development Agency intends to apply to Galway City Council for permission for a 'Large-Scale Residential Development' (LRD) at a site of 1.621 Ha in Galway Port at Dock Road and Lough Atalia Road, Galway City, and extending to include parts of both roads for road infrastructure works and water services infrastructure works.

The proposed development principally consists of: the demolition of the existing office / bus depot building (370.2 sq m) and ancillary building (26.0 sq m); the partial demolition of the existing ESB sub-station and ancillary building (67.4 sq m); the demolition of existing boundary walls at the south-west and north-west; and the construction of a mixed-use development.

The proposed mixed-use development primarily comprises: 356 No. residential apartments (172 No. 1-bed, 169 No. 2-bed and 15 No. 3-bed); crèche (255.9 sq m); 2 No. café/restaurant units (totalling 428.4 sq m); and 1 No. retail unit (156.0 sq m).

The development has a total floor area of 32,096.0 sq m and is primarily proposed in 4 No. blocks (identified as A–D) that generally range in height from 6 No. to 13 No. storeys: Block A ranges from 6 No. to 9 No. storeys; Block B ranges from 6 No. to 11 No. storeys; Block C is 6 No. storeys; and Block D ranges from 6 No. to 13 No. storeys.

The proposed development also includes: new internal street and pedestrian network, including a one-way vehicular route at the north-western side of the site and new junctions with Dock Road at the south-west and with the access road from Lough Atalia at the north-west; upgrades to Lough Atalia Road and the access road from it at the north-west of the site, including the provision of a new toucan pedestrian/cycle crossing at Lough Atalia Road; upgrades to the footpath and road interface with Dock Road to the south-west; 37 No. car parking spaces; 1 No. set-down/delivery bay; 741 No. cycle parking spaces; hard and soft landscaping, including as public open spaces and communal amenity spaces; private amenity spaces as balconies and terraces facing all directions; boundary treatments; public lighting; bin stores; double sub-station; plant rooms; green roofs; rooftop lift overruns and plant; rooftop telecommunications, plant and enclosure at Block C; recladding of the existing sub-station and pumping station; and all associated works above and below ground.

Noise Impact Assessment

A Stage 1 and Stage 2 ProPG assessment have been undertaken. As part of the stage one assessment to categorise the site, a baseline noise survey was undertaken to measure the existing noise levels. Following a review of the noise levels on the site, including the L_{AFmax} and $L_{Aeq,}$ the site has been characterised as low to medium risk for day and night for the across the site therefore, mitigation measures are recommended to control the onset noise levels, this is in the form of glazing performance specification.

Internal Noise Levels

Following the baseline survey, a noise impact assessment was undertaken, this included break-in noise calculations to predict the internal noise levels from road traffic noise. Consideration has also been given to the future growth of the roads. The noise measurements were taken during peak traffic conditions. Following the assessment, the building envelope performance requirements were determined. The performance specification for the building envelope has been provided in this report which includes the external walls, glazing, roof and ventilation requirements.

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External Amenity Noise Levels

The external amenity spaces on the development includes balconies and communal open space at ground level in the centre of the development surrounded by the apartment blocks. Appropriate amenity has been provided on the development for residents using a combination of the balconies on suitable facades and the communal amenity spaces. This is in line with element 3(v) of ProPG.

Based on the recommendations in this report it is predicted that the internal and external noise levels will achieve the targeted noise levels in line with BS 82233:2014 and ProPG 2017 guidance.

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1 Introduction

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The development consists of:

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Appendix A outlines a glossary of the acoustic terminology used in this report.

1.1 Statement of Competence

This report was completed by Wave Dynamics, an acoustic consultancy that specialises in noise and vibration. Our consultants have completed numerous similar projects in the Ireland the UK and Europe.

This assessment and report were completed by Cathal Reck | Acoustic Consultant, Cathal has experience of numerous inward noise impact assessments. Cathal's qualifications include; BSc (Hons) in Music Technology & Production, IOA Certificate of Competence in Environmental Noise Measurement. Cathal is a member of the Institute of Acoustics and a SITRI certified sound insulation tester.

The peer review was completed by Sean Rocks, Director | Senior Consultant, Sean has experience of numerous inward noise impact assessments. Sean's qualifications include; BEng (Hons) in Mechanical and Manufacturing Engineering, Diploma in Acoustics and Noise Control (Institute of Acoustics), IOA Certificate of Competence in Environmental Noise Measurement and SITRI certified sound insulation tester. Sean is a member of both Engineers Ireland and the Institute of Acoustics.

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2 Site Description

The site is located on Lough Atalia Road on the Galway Bay docklands, Galway. The area is largely industrial with premises to the north, west and south supporting shipping as well as a hotel to the west and service station to the north. The site is bound to the east by the Lough Atalia channel.

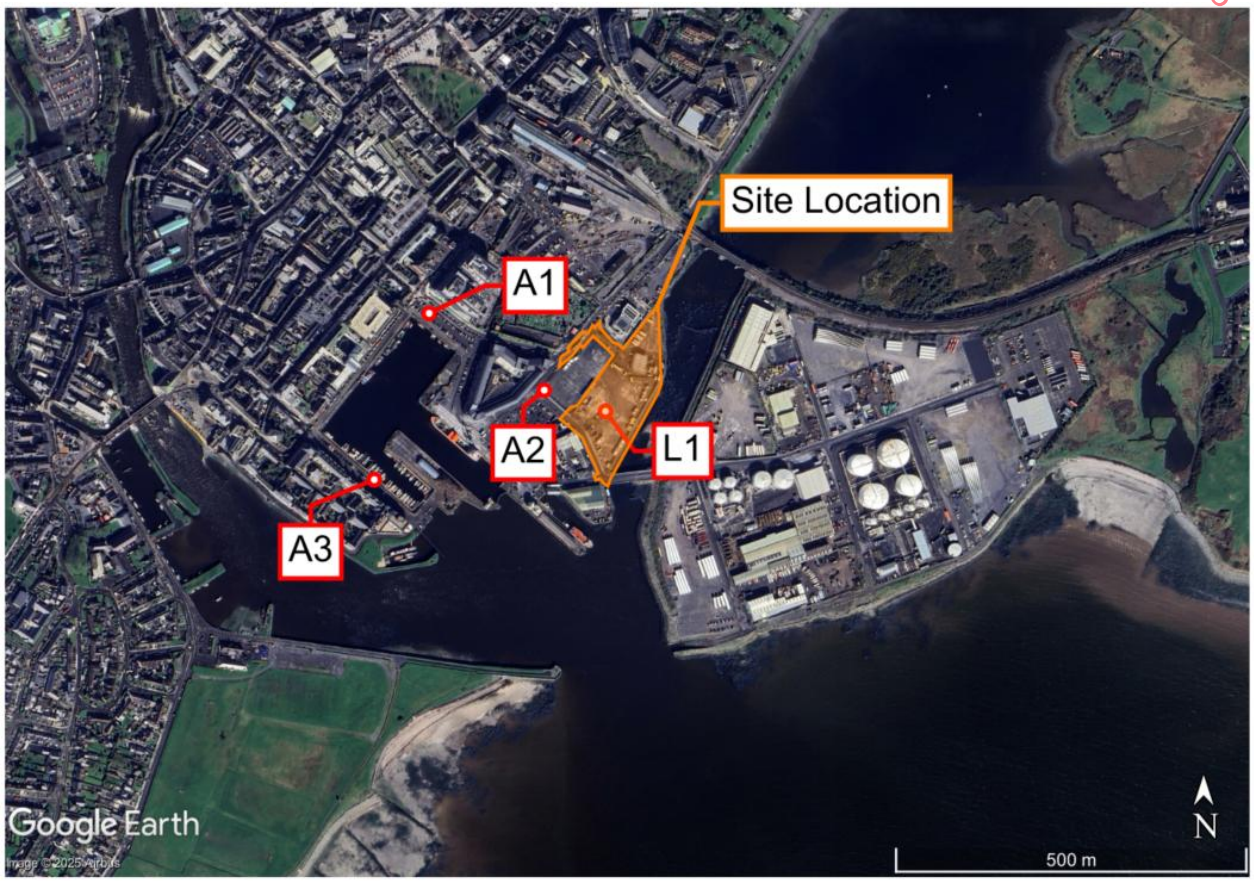

Figure 1: Site Location, Measurement Locations A1-A3, Logger Location L1, and the Surrounding Area.

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3 Project Criteria

The acoustic criterion for the project is set out in this section, the purpose of the criteria is to ensure reasonable:

- Internal noise levels and
- External amenity noise levels.

To provide adequate conditions Wave Dynamics have developed the project criteria for:

- Façade sound insulation performance,
- Ventilation requirements and,
- External amenity requirements.

Assessment Standards

The criteria for the project have been developed based on the following industry standards:

- ✓ BS 8233:2014 Guidance on sound insulation and noise reduction for buildings.
- ✓ Galway City Council – Noise Action Plan 2024 - 2028
- ✓ ProPG Professional Practice Guidance on Planning & Noise.
- ✓ ISO 1996-1:2016 Acoustics — Description, measurement and assessment of environmental noise — Part 1: Basic quantities and assessment procedures
- ✓ Previous experience on similar projects.

3.1 Noise Assessment Criteria

The internal ambient noise levels requirements have been developed from the following standards:

Galway City Council Noise Action Plan

The Galway City Council Noise Action Plan 2024 – 2028 cites guidance from BS 8233:2014: Guidance on Sound Insulation and Noise Reduction for Buildings and Professional Practice Guidance on Planning and Noise (ProPG) in relation to internal noise levels. Guidance from the Noise Action Plan and the referenced standards have been used to develop the criteria outlined in this section.

ProPG: Professional Practice Guidance on Planning & Noise

ProPg 2017 is used to assess airborne noise from transport sources including road, rail and aircraft noise. The aim of the document is to provide a good design process which considers the internal acoustic environment at an early stage in the design process. The guidance was prepared by the Institute of Acoustics, the Association of Noise Consultants and the Chartered Institute of Environmental Health and is based on the findings by the World Health Organisation in relation to noise impact on humans. Its adoption is considered best practice for assessing the potential noise impact on the future occupants for residential developments.

The guidance is primarily designed for residential developments however it can be applied to other development types including developments where people require appropriate noise levels for rest and sleep. This includes residential care homes, hospitals etc. The guidance advocates a holistic design process which considers the site, its location and likely suitability for the development at an early stage.

The two primary stages of the ProPg design approach are summarised as follows:

Stage 1 – The first stage is to undertake an initial high-level noise risk assessment of the proposed site considering the noise levels (measured and or predicted) to identify any noise risks. This would include consideration of the current noise environment, future use and future noise levels ; and,

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Stage 2 –The second stage is a full detailed assessment of the proposed development covering the "*Four Key Elements*":

1. *"Good Acoustic Design Process,*
2. *Internal Noise Level Guidelines,*
3. *External Amenity Area Noise Assessment; and*
4. *Assessment of Other Relevant Issues."*

As part of the process an Acoustic Design Statement is produced and submitted to the planning authority. This document sets out the design process used to come to the conclusions and recommendations in the report.

Following the ProPg the following conclusions are recommended by ProPG in relation to the findings of the Acoustic Design Statement based one the recommendations of the Acoustic Consultant:

a. *"Planning consent may be granted without any need for noise conditions;"*
b. *"Planning consent may be granted subject to the inclusion of suitable noise conditions; "*
c. *"Planning consent should be refused on noise grounds in order to avoid significant adverse effects ("avoid"); or, "*
d. *"Planning consent should be refused on noise grounds in order to prevent unacceptable adverse effects ("prevent")."*

Section 3 of the ProPG outlines the recommended approach decision makers should following in coming to their conclusions based on the recommendations of the Acoustic Design Statement. Figure 2 illustrates the ProPG approach.

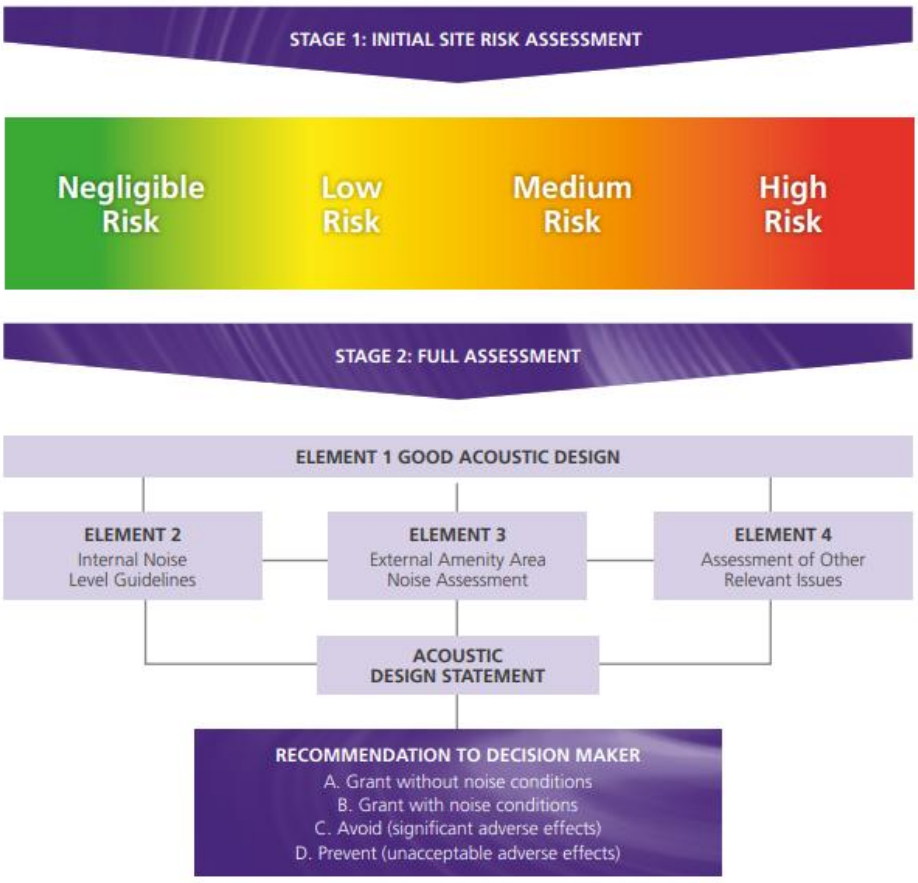

Figure 2: Summary of Overall ProPG Approach.

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Internal Noise Levels

Table 1 below outlines the recommended internal noise levels from BS 8233:2014 within living accommodation for residential buildings for dining, resting and sleeping. These limits are in line with the ProPG and the World Health Organisation Guidelines.

Table 1: BS 8233:2014 Internal Noise Criteria –Residential Buildings.

Activity	Location	07:00 to 23:00 Hrs	23:00 to 07:00 Hrs
Resting	Living Room	35 dB $L_{Aeq,\ 16\ hour}$	-
Dining	Dining Room/Area	35 dB $L_{Aeq,\ 16\ hour}$	-
Sleeping (daytime resting)	Bedroom	35 dB $L_{Aeq,\ 16\ hour}$	30 dB $L_{Aeq,\ 8\ hour}$ 45dB L_{AFmax} (See Note 1)

1: Regular individual noise events (for example, scheduled aircraft or passing trains) can cause sleep disturbance. A guideline value may be set in terms of SEL or $L_{Amax,F}$, depending on the character and number of events per night. Sporadic noise events could require separate values. In most circumstances in noise sensitive rooms at night (e.g. bedrooms) good acoustic design can be used so that individual noise events do not normally exceed 45dB L_{AFmax} more than 10 times a night.

External Amenity Space Noise Levels

With regard to noise levels in external amenity spaces ProPG 2017 refers to the BS8233:2014 guidance which states that:

> "*the acoustic environment of external amenity areas that are an intrinsic part of the overall design should always be assessed and noise levels should ideally not be above the range 50 – 55 dB $L_{Aeq,16hr}$".*

It also states that:

"These guideline values may not be achievable in all circumstances where development might be desirable. In such a situation, development should be designed to achieve the lowest practicable noise levels in these external amenity spaces but should not be prohibited."

After mitigation/with mitigation if the adverse noise impacts are still above the recommended noise levels they can be offset by providing an alternative amenity space to partially offset the noise impact by providing access to:

- *"a relatively quiet facade (containing openable windows to habitable rooms) or a relatively quiet externally ventilated space (i.e. an enclosed balcony) as part of their dwelling; and/or*
- *a relatively quiet alternative or additional external amenity space for sole use by a household, (e.g. a garden, roof garden or*
- *a relatively quiet, protected, nearby, external amenity space for sole use by a limited group of residents as part of the amenity of their dwellings; and/or*
- *a relatively quiet, protected, publically accessible, external amenity space (e.g. a public park or a local green space designated because of its tranquillity) that is nearby (e.g. within a 5 minutes walking distance). The local planning authority could link such provision to the definition and management of Quiet Areas under the Environmental Noise Regulations."*

BS 8233:2014 elaborates on this further, it acknowledges that it may not always be necessary or feasible to ensure that noise levels remain within the guideline values. In respect of gardens and patios, BS 8233:2014 states:

> *"however it is also recognized that these guideline values are not achievable in all circumstances where development might be desirable. In higher noise areas, such as city centres or urban areas adjoining the*

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strategic transport network, a compromise between elevated noise levels and other factors, such as the convenience of living in these locations or making efficient use of land resources to ensure development needs can be met, might be warranted. In such a situation, development should be designed to achieve the lowest practicable levels in these external amenity spaces but should not be prohibited."

Both BS8233:2014 and ProPG 2017 do not advise that development should be restricted in areas with undesirable noise levels. The standards recommend that mitigation measures are put in place where practicable to achieve the recommended noise levels for the external amenity spaces. It notes that this may not be practical in all situations and local or governmental policy should take precedence in these situations.

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4 ProPG Stage 1 – Assessment

The stage one risk assessment is used to assess the site for potential risks that may occur in terms of noise impact. The ProPG sets out four categories of risk:1) negligible, 2) low, 3) medium or 4) high risk. Figure 2 below illustrates the ProPG risk assessment and the values associated with each risk category.

The risk assessment also considers the risk based on the number of L_{AFmax} events per night as follows;

- A site should not be considered a negligible risk if more than 10 L_{AFmax} events exceed 60 dB during the night period and;
- A site should be considered a high risk if the L_{AFmax} events exceed 80 dB more than 20 times per night.

Paragraph 2.9 of ProPG states that,

> *"The noise risk assessment may be based on measurements or prediction (or a combination of both) as appropriate and should aim to describe noise levels over a "typical worst case" 24 hour day either now or in the foreseeable future."*

To assess the noise impact with the ProPG risk categories a baseline noise survey was undertaken on the site to quantify the existing noise environment.

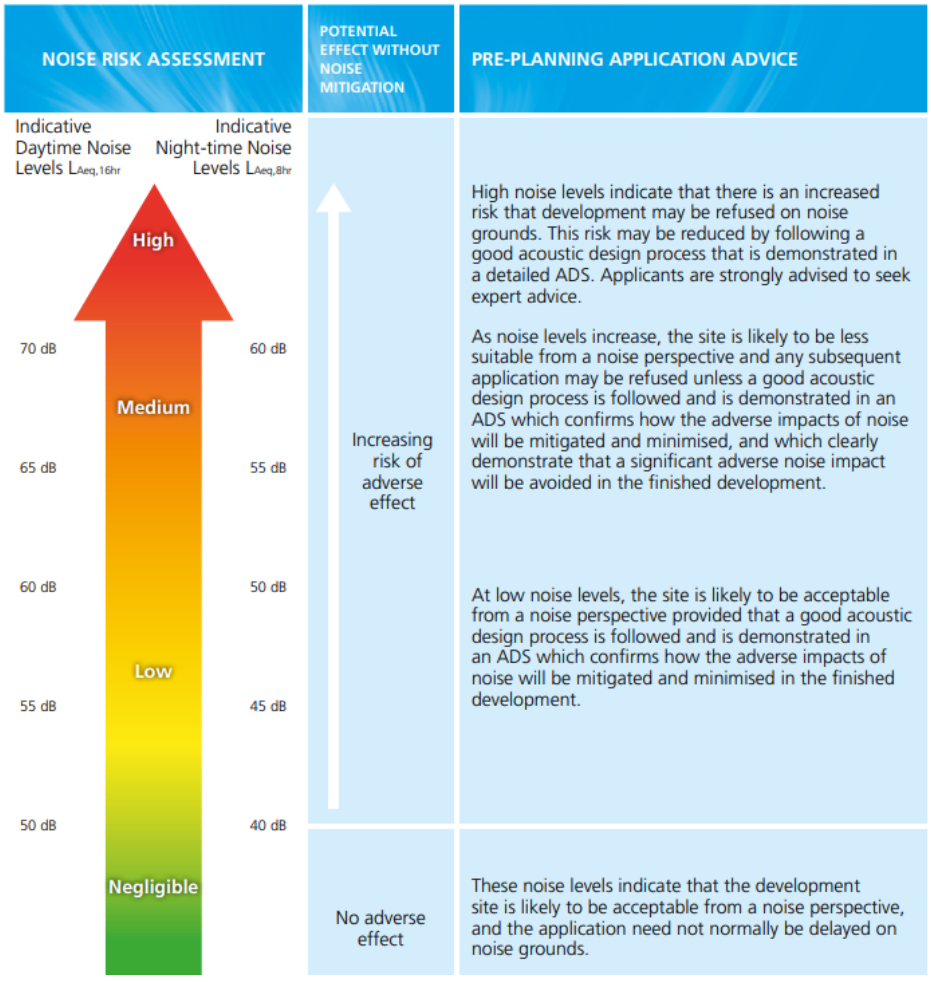

Figure 3: ProPG Risk Analysis.

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4.1 Baseline Noise Survey

An unattended and attended noise survey was conducted to quantify the existing noise environment. The attended measurement survey included measurements across the site and the surrounding area. The purpose of the measurements was to quantify the existing noise environment to assess the break in noise.

4.1.1 Site Description and Measurement Locations

The site is located on Galway Port lands at Lough Atalia Road and Dock Road. The area is largely industrial with premises to the north, west and south supporting shipping as well as a hotel to the west and service station to the north. The site is bound to the east by the Lough Atalia channel.

Figure 4: Site Location and Measurement Locations L1 and A1-A3.

4.1.2 Survey Methodology and Personnel

The attended and unattended surveys were completed by Cathal Reck (Acoustic Consultant). The attended noise measurements took place on the 5th of February 2025 between 04:45hrs and 09:09hrs, covering both night (23:00hrs – 07:00hrs) and daytime (07:00hrs – 23:00hrs) periods. The unattended noise logger was deployed by Cathal Reck (Acoustic Consultant) on the 5th of February at 10:15hrs and collected by Sean Rocks (Senior Acoustic Consultant) on the 11th of February 2025 at 14:00hrs.

Unattended Noise Measurements

An unattended noise logger was deployed in location L1. The monitor was deployed on the 5th of February 2025 at 10:15hrs and collected on the 11th of February 2025 at 14:00hrs. The logger was fixed to the side of an existing wall and extended upwards approximately 4m above the ground. The logger was calibrated before and after the measurements and no significant drift was noted. Measurements were filtered for periods of unsuitable weather conditions (where appropriate).

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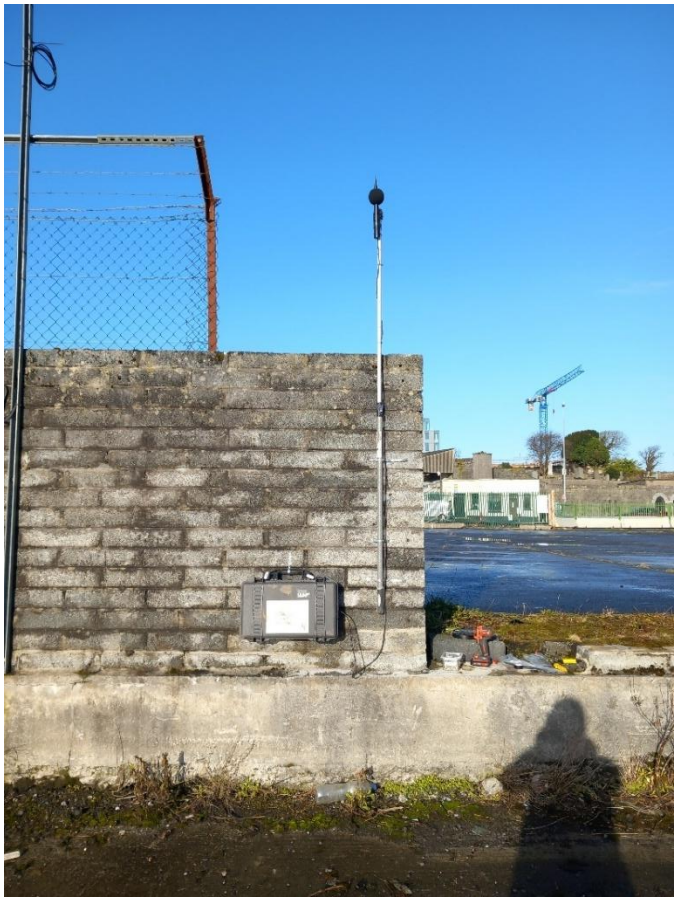

Figure 5: Unattended Measurement Setup.

Attended Noise Measurements

Noise measurements were undertaken in general accordance with ISO 1996-1:2016 using ISO Class 1 sound analysers. Attended measurements were taken for a duration of 15-60 minutes in the locations A1-A3 and L1 as noted in Figure 4. Care was taken to avoid any effect on the measurement of extraneous noise, acoustic vibration, or interference. During the attended noise measurements, the sound level meter was positioned at approximately 1.5m above the ground level at A1-A3 and 4m above ground at L1. The weather conditions were calm (wind less than 5m/s) with no rain, a wind shield was used for the duration of the attended surveys. The noise logger was calibrated before and after the survey and no significant drift was noted.

4.1.3 Survey Period

The unattended noise measurements were undertaken on the 5th of February 2025 at 10:15hrs and collected on the 11th of February 2025 at 14:00hrs, attended measurements taken on the 5th of February 2025 between 04:45hrs and 09:09hrs.

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4.1.4 Noise Measurement Equipment

A Class 1 sound level meter/noise logger in general accordance with IEC 61672-1:2013 was used for the attended measurements. Table 2 below summarises the measurement equipment used.

Table 2: Noise Measurement Equipment.

Description	WD Asset Number	Model	Serial No.	Calibration Certificate No.	Calibration Due Date
Sound Level Meter	SLM4	Nti XL2-TA	A2A-23316-E1	UK-23-100	01/09/2025
Calibrator	CAL1	Nor 1251	31056	AC240268	09/10/2025

4.1.5 Subjective Noise Environment

During the attended noise survey, the following noise sources were identified:

- Road traffic noise from surrounding road network,
- Pedestrian noise,
- Birdsong.

4.2 Noise Measurement Results

Attended and unattended measurements were taken to measure the noise levels across the site. This section outlines the results of the attended noise measurements.

Attended Measurement Results

Table 3 outlines the results of the attended measurement survey.

Table 3: Attended Noise Measurement Results.

Measurement				Measured Noise Levels		
Location	Date	Time (hrs)	Duration (mins)	L_{Aeq} dB	L_{AFmax} dB	L_{A90} dB
A2	05/02/2025	04:45	15:00	59	78	40
A1	05/02/2025	05:04	15:00	61	77	47
A3	05/02/2025	05:26	15:00	48	67	43
A1	05/02/2025	05:49	15:00	63	81	50
A2	05/02/2025	06:10	15:00	66	83	53
A3	05/02/2025	06:29	15:00	49	63	44
A3	05/02/2025	07:15	1:00:00	54	75	48
A1	05/02/2025	08:27	15:00	68	90	59
A2	05/02/2025	08:48	15:00	69	79	65
A1	05/02/2025	09:09	15:00	68	80	59

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Unattended Monitoring Results

Table 4 outlines the results of noise measurements at the unattended monitoring location L1.

Table 4: Unattended Measurement Results.

Start Date	$L_{Aeq,16hour}$ 07:00 - 23:00 dB	L_{night} ($L_{Aeq,8hour}$ 23:00 - 07:00) dB	L_{den} (00:00 - 00:00) dB	10th highest night-time L_{AFmax}	L_{A90} (23:00 - 07:00) dB
05/02/2025	57(1)	51	59(1)	64	42
06/02/2025	57	52	59	66	43
07/02/2025	57	51	60	64	43
08/02/2025	56	51	59	64	44
09/02/2025	56	51	59	66	42
10/02/2025	58	52	60	65	44
11/02/2025	58(1)	N/A	N/A	N/A	N/A

(1) Shortened measurement duration.

(2) Where night-time period is referred to the date is the date the measurement commenced on at 23:00hrs and finished at 07:00hrs on the following calendar day.

(3) Arithmetic average of L_{AF90}.

L_{AFmax} Noise Levels

Based on the project criteria outlined in Section 3, the internal $L_{AFmax\ 15min}$ inside the dwelling bedrooms cannot exceed 45dBA more than 10 times per night. With regard to the maximum noise levels ProPg states:

"A site should not be regarded as negligible risk if the $L_{Amax,F}$ exceeds, or is likely to exceed 60 dB more than 10 times a night. A site should be regarded as high risk if the $L_{Amax,F}$ exceeds, or is likely to exceed 80 dB more than 20 times a night."

Figure 6 below highlights the average number of L_{AFmax} events recorded on the noise logger per night based on a 15min measurement interval. Based on the ProPG risk assessment of the L_{AFmax} noise levels, the site is not considered high risk as there are not typically more than 20 occurrences exceeding 80dB L_{AFmax}.

The façade specification outlined in 5.2.3 has been determined in accordance with achieving the internal noise levels for both L_{Aeq} and the L_{AFmax} incident noise levels below.

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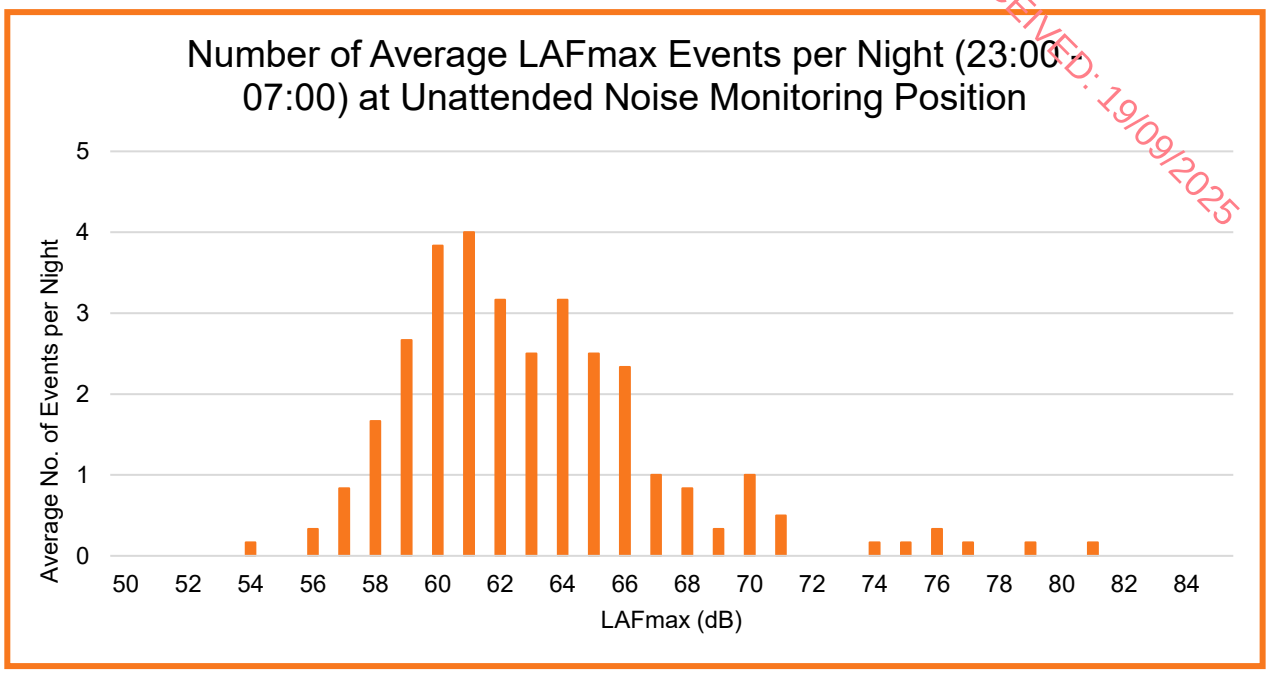

Figure 6: Average Recorded L_{AFmax} Events Per Night Based On 15min Measurement Intervals.

Discussion of Measurement Results

The measurements were taken on weekdays and the weekend to provide an understanding of the noise climate around the site. From the noise levels recorded it can be seen that the levels were steady for the duration of the full survey.

The ambient noise consisted of traffic noise from all immediate surrounding roads, and industrial ongoings in the local area.

Based on the ProPG risk assessment of the L_{AFmax} noise levels, the site is not considered high risk as there are not typically more than 20 occurrences exceeding 80dB L_{AFmax}.

4.3 Weather Conditions for Monitoring Period

Good weather conditions were noted in general during the deployment and collection during the attended survey, with winds of less than 5 m/s and no rain for the attended surveys.

Where weather conditions during the unattended survey impacted on the results they were filtered where required.

4.4 Future Noise Levels

Road Traffic

Based on data from the TII (2017) the average rate of growth on Irish roads is a 3.9%. Assuming linear growth of 3.9% over the next 10 years an increase in noise levels of 3 dB would be expected from road traffic.

Rail Traffic

The Galway rail line located to the north of the proposed development site, forming part of the approach to Ceannt Station in Galway City. This section of the railway includes a bridge crossing to the north the site, used by trains arriving at and departing from the station. The rail line is located approx. 170 from the closest façade of the proposed development.

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Train movements on this bridge were observed to be infrequent and of short duration. Trains operate at reduced speeds in this area due to standard safety and operational speed restrictions associated with station approach and departure. These low speeds significantly limit the potential for elevated noise levels from rail activity. Based on current operations there are a total of c42 train movements on this section of rail line per day.

During the site survey, noise from passing trains was infrequent and quieter than the existing road traffic noise levels in the area. The acoustic environment is dominated by local road traffic, which masks any contribution from occasional rail movements.

It is noted that Ceannt Station is undergoing a significant redevelopment, due for completion in 2026 however there is currently no information available regarding the intensification of rail services on the line. For the purpose of this assessment, a conservative allowance has been made. An indicative doubling of rail traffic volume would result in a noise level increase of approximately 3 dB, which is considered as just perceptible change in noise level. Given the currently low baseline contribution of rail noise, already below that of the continuous road traffic in the area, this increase would remain acoustically insignificant in the context of the overall noise climate.

4.5 ProPG Stage 1 – Initial Risk Assessment

The measured noise levels on the site and future noise levels have been predicted for road traffic noise to assess the probability of an adverse impact.

Table 5 below identifies the Noise Risk Categorisation of the site based on the predicted free field façade noise levels. The site has been categorised as low to medium risk across the site in accordance with the ProPg risk assessment. Considering this risk categorisation of the development no mitigation measures will be required to mitigate the noise risk in following with ProPG guidance and good acoustic design process.

It should be noted that the ProPG 2017 states the following with regard to how the initial site noise risk is to be used:

“2.12 It is important that the assessment of noise risk at a proposed residential development site is not the basis for the eventual recommendation to the decision maker. The recommended approach is intended to give the developer, the noise practitioner, and the decision maker an early indication of the likely initial suitability of the site for new residential development from a noise perspective and the extent of the acoustic issues that would be faced. Thus, a site considered to be high risk will be recognised as presenting more acoustic challenges than a site considered as low risk. A site considered as negligible risk is likely to be acceptable from a noise perspective and need not normally be delayed on noise grounds. A potentially problematical site will be flagged at the earliest possible stage, with an increasing risk indicating the increasing importance of good acoustic design.”

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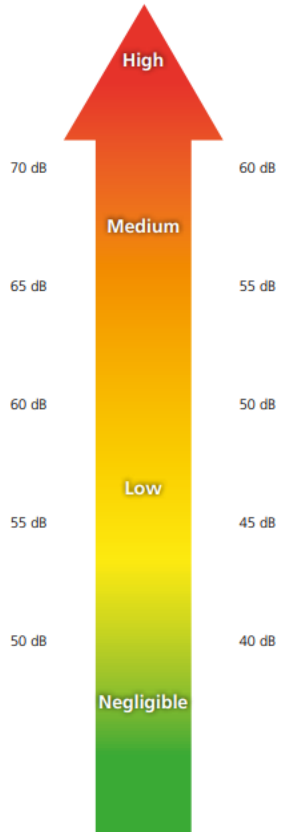
Table 5: ProPG Stage 1 Risk Assessment of Existing Noise Levels.

Noise Risk Assessment		Risk Assessment Rating	
Indicative Daytime Noise Levels $L_{Aeq,16hour}$	**Indicative Night-time Noise Levels $L_{Aeq,8hour}$**	**Daytime Noise Levels**	**Night-time Noise Levels**
		**High Risk**	**High Risk**
		N/A	N/A
		Medium Risk	**Medium Risk**
		N/A	The southwest boundary of the site occupies the medium risk contour for nighttime noise levels. Good acoustic design should be observed.
		Low Risk	**Low Risk**
		The site occupies the low-medium risk contour for daytime noise levels.	The remainder of the site occupies the low-medium risk contour for nighttime noise levels.
		Negligible Risk	**Negligible Risk**
		N/A	N/A

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5 ProPG Stage 2- Full Assessment

This section outlines the full acoustic design assessment in line with ProPG guidance.

5.1.1 Element 1: Good Acoustic Design Process

ProPg States the following in relation to Good Acoustic Design Process:

"A good acoustic design process takes a multi-faceted and integrated approach to achieve optimal acoustic conditions, both internally (inside noise-sensitive parts of the building(s)) and externally (in spaces to be used for amenity purposes)."

"Good acoustic design should avoid "unreasonable" acoustic conditions and prevent "unacceptable" acoustic conditions (these terms are defined in Element 2). Good acoustic design does not mean overdesign or gold plating of all new development but seeking to deliver the optimum acoustic outcome for a particular site"

The following considerations are recommended by ProPG:

- *"Check the feasibility of relocating, or reducing noise levels from relevant sources.*
- *Consider options for planning the site or building layout.*
- *Consider the orientation of proposed building(s).*
- *Select construction types and methods for meeting building performance requirements.*
- *Examine the effects of noise control measures on ventilation, fire regulation, health and safety, cost, CDM (construction, design and management) etc.*
- *Assess the viability of alternative solutions.*
- *Assess external amenity area noise."*

5.1.2 Discussion of Good Acoustic Design

Mitigation of Sources

The development is located close to the road noise sources which are not on or part of the development therefore it is not possible to reduce or relocate the relevant noise sources.

Site Layout and Orientation

The southeastern boundary is the most exposed to road traffic noise. Block A of apartments provides a high degree of noise screening to the remainder of the development which is predicted to have lower onset noise levels.

Construction Methods

Section 5.2.3 considers the construction methods required to meet the building performance control measures. The construction measures are in general robust, providing standard external wall and façade details to meet thermal, fire and weathertightness requirements will in general provide adequate performance to achieve good levels of sound insulation.

Impact of Noise Control Measures

The effects for noise control measures on other building elements including ventilation are considered in Section 5.2.3. It is generally impractical to provide ventilation via openable windows in urban/built up areas. An open window will provide 10-15dB of attenuation which in build-up urban areas is not practical. In general, the good acoustic design process in these areas is to provide ventilation via attenuated natural vents or mechanical ventilation. This allows the occupants to have adequate ventilation with adequate noise levels.

External Amenity

ProPG states the following with regard to external amenity spaces:

"The acoustic environment of external amenity areas that are an intrinsic part of the overall design should always be assessed and noise levels should ideally not be above the range 50 – 55 dB LAeq,16hr."

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The external amenity source noise levels are considered in section 5.3.

5.2 Element 2 – Assessment of Internal Noise Levels

This section outlines the assessment of the building envelope including the façade noise modelling, and specification of the glazing requirements.

A noise intrusion assessment for the proposed development has been completed in accordance with the methodology outlined International Standard *ISO EN 12354-3:2017 Building acoustics — Estimation of acoustic performance of buildings from the performance of elements — Part 3: Airborne sound insulation against outdoor sound*. The standard provides a method for calculating the indoor noise levels due to for instance Road Traffic Noise.

The calculation method accounts for multiple factors including:

- The external noise level at the affected building façade.
- The frequency characteristics of the specific noise source (i.e. Road Noise).
- The sound insulation performance of each façade element (i.e. Windows, Walls, Roof…).
- The area of each façade element.
- Direct and flanking transmission paths.

5.2.1 Noise Prediction Modelling

Following the survey, a computational noise model of the development using SoundPLAN 9.1 modelling software was developed to establish the noise levels from the development in a worst-case scenario. The software implements the algorithms contained in ISO 9613-1 and ISO 9613-2. The noise model considers:

- Distance attenuation,
- Source and receptor locations,
- Barrier effects (buildings, walls etc)
- Topographical elevations,
- Ground effects and absorption,
- Source sound power levels,
- Directivity and orientation of the source,
- Atmospheric attenuation and meteorological effects,

The noise model has been calibrated against the attended and unattended noise measurements. SoundPLAN 9.1 software predicts road traffic noise levels in accordance with *Calculation of Road Traffic Noise* (UK Department for Transport, 1998). This is the recognised appropriate standard for road traffic noise prediction as per TII (Transport Infrastructure Ireland).
The following information was input into the model:

- Development layout provided by architects drawings.
- Google Maps terrain and elevation data of surrounding area.
- Traffic speeds as per local signage and onsite observation.
- Percentage of HGV assumed at 4% based on assessment of similar local roads.
- Annual traffic growth rate of 3.9%.
    - This has been assessed based on pre-covid traffic growth data.
- Daily train count based on Ceannt Station timetable.