



# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS19

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Orangish brown and light grey mottled slightly sandy silty CLAY with sandy patches

Depth Base m -

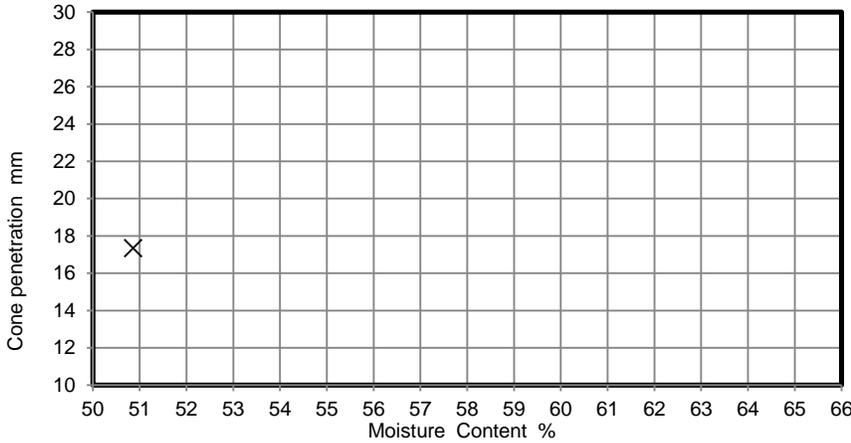
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

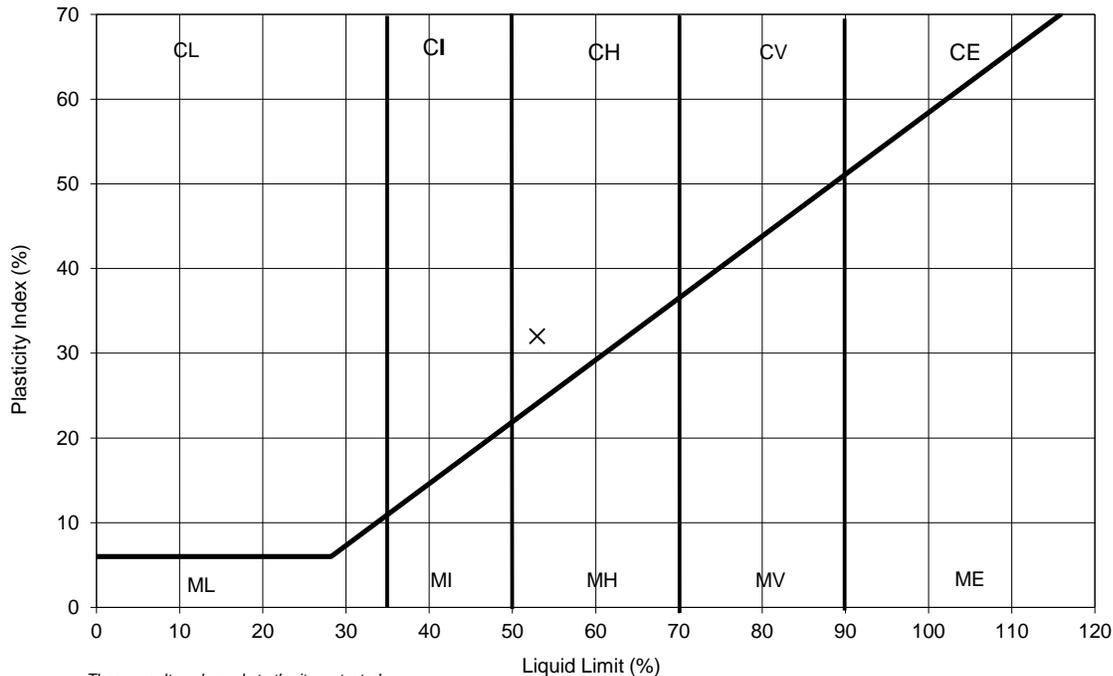


NATURAL MOISTURE CONTENT	20	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	53	%
PLASTIC LIMIT	21	%
PLASTICITY INDEX	32	%

### Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

### PLASTICITY INDEX



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#### TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

Tel: 01923 711 288 Email: James@k4soils.com

Checked and Approved

Initials: J.P

Date: 19/09/2024



2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS19

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 2.00

Soil Description Orangish brown and light grey mottled slightly sandy silty CLAY with sandy patches

Depth Base m -

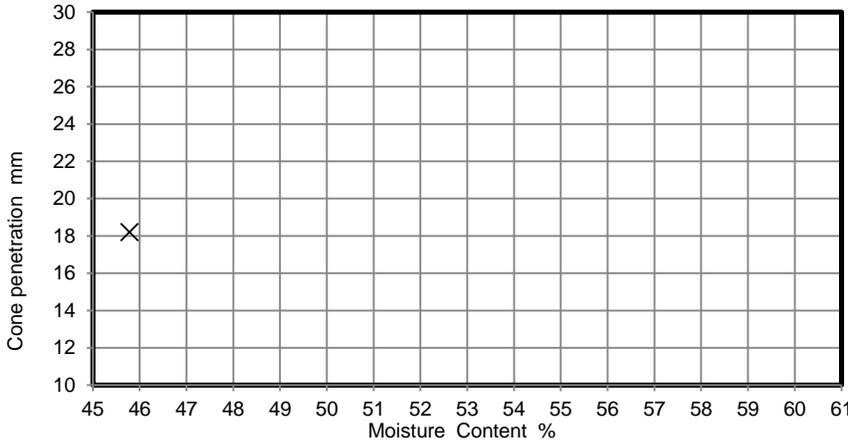
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

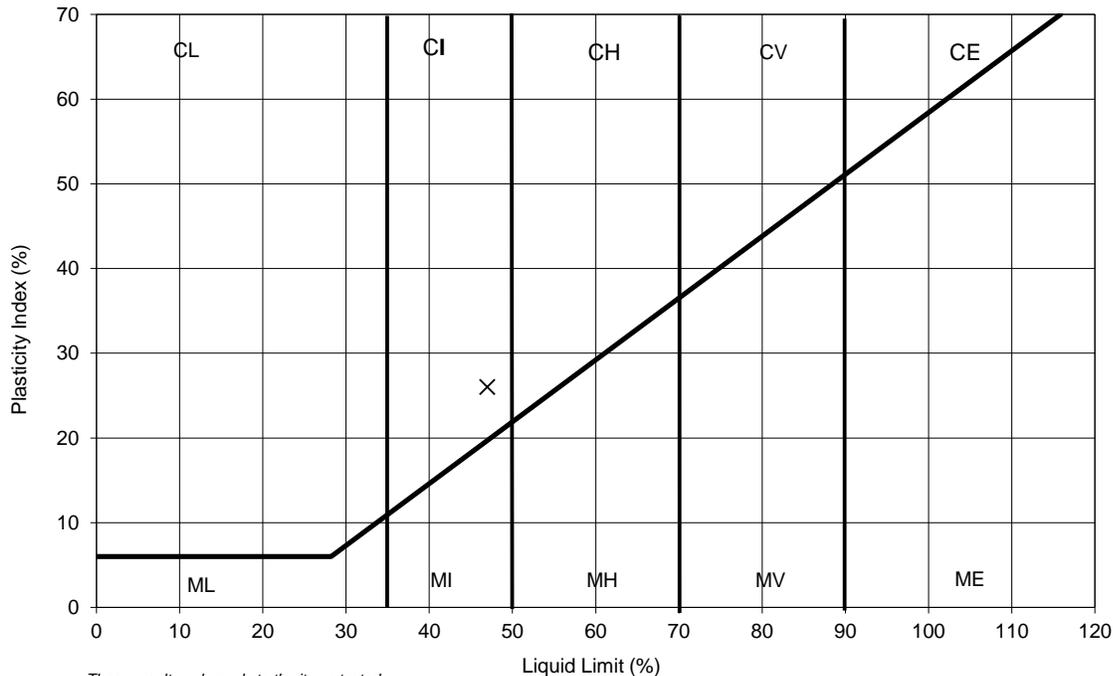


NATURAL MOISTURE CONTENT	22	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	47	%
PLASTIC LIMIT	21	%
PLASTICITY INDEX	26	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS20

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Orangish brown and light grey mottled slightly sandy silty CLAY

Depth Base m -

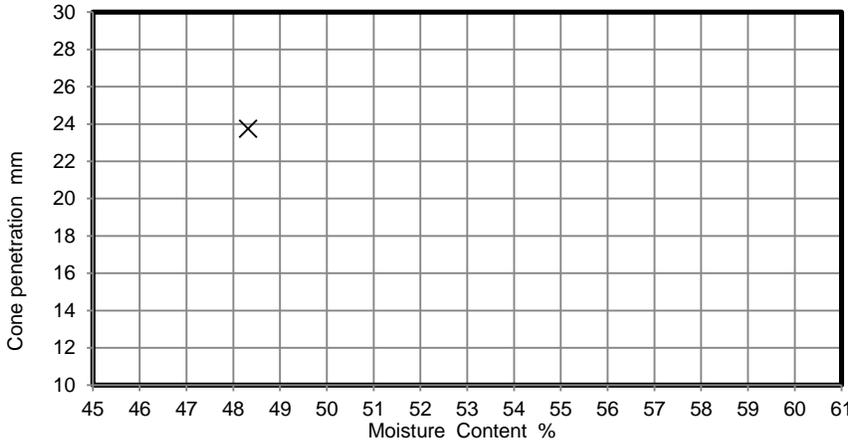
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

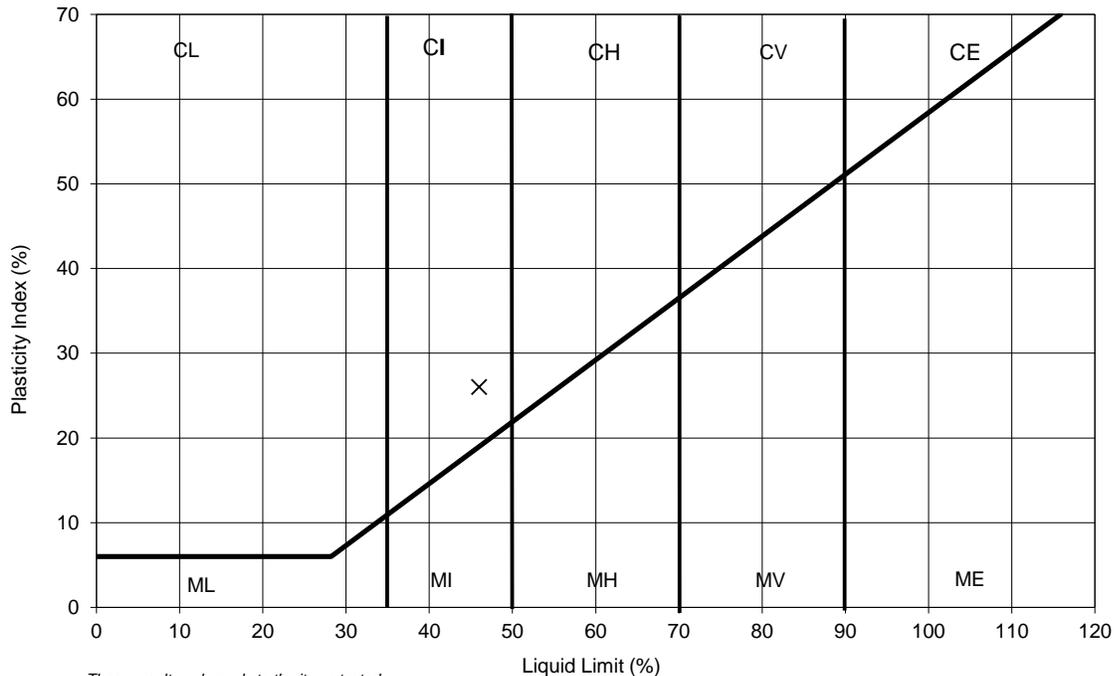


NATURAL MOISTURE CONTENT	19	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	46	%
PLASTIC LIMIT	20	%
PLASTICITY INDEX	26	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

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BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

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Job No. 35924

Borehole/Pit No. WS20

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 2.00

Soil Description Brown, locally mottled dark brown, sandy silty CLAY with sandy patches and white silt patches

Depth Base m -

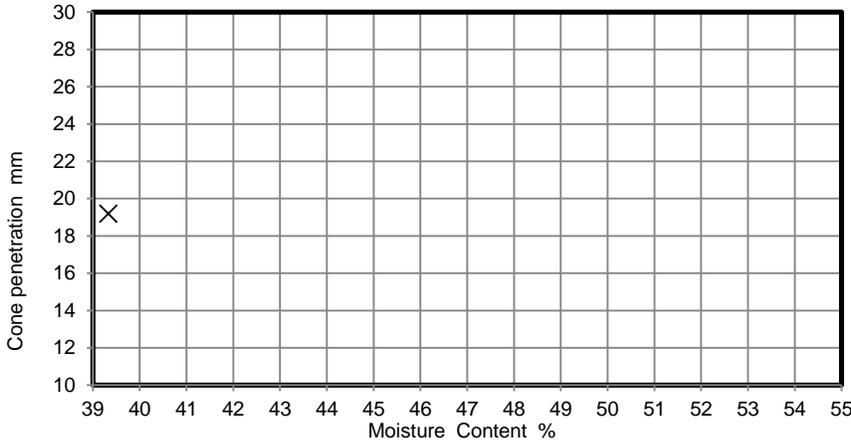
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024



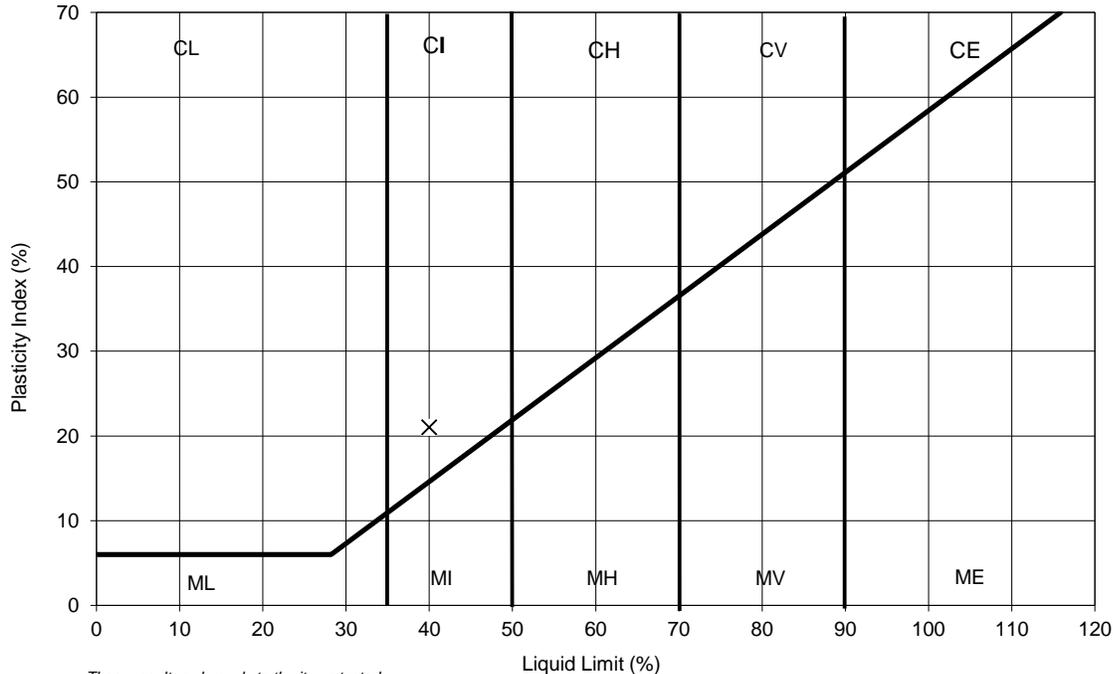
NATURAL MOISTURE CONTENT	18	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	40	%
PLASTIC LIMIT	19	%
PLASTICITY INDEX	21	%

Remarks

Empty box for remarks.

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

## PLASTICITY INDEX



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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS21

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Orangish brown and greyish brown mottled slightly sandy silty CLAY with sandy patches and rare fine sub-angular gravel

Depth Base m -

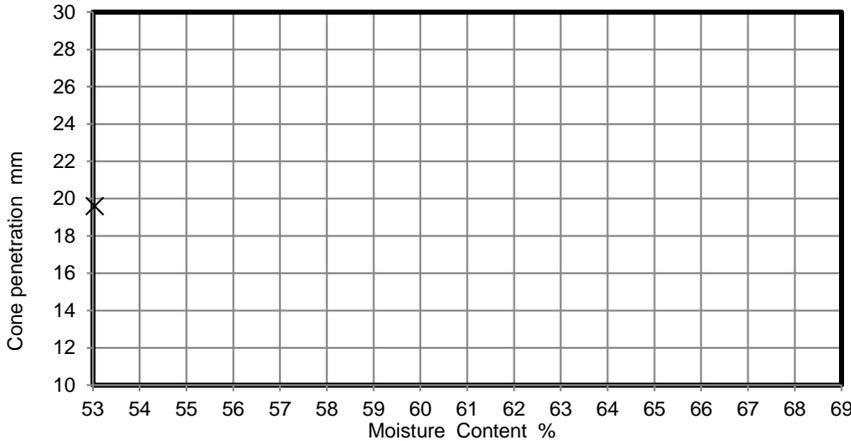
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024



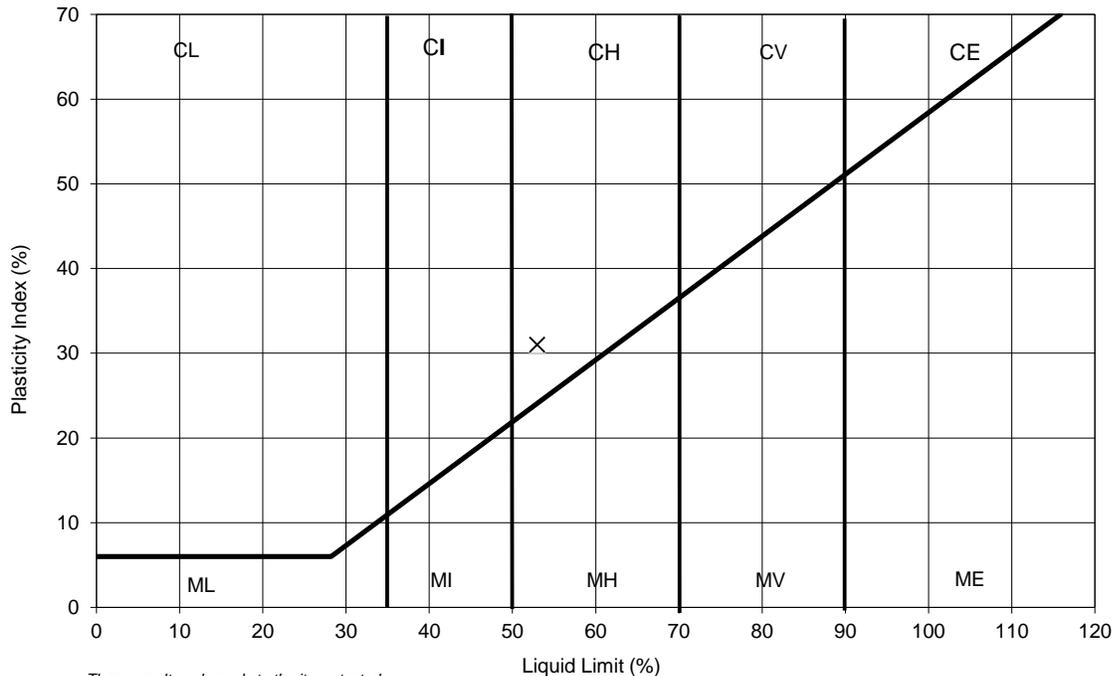
NATURAL MOISTURE CONTENT	17	%
% PASSING 425µm SIEVE	99	%
LIQUID LIMIT	53	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	31	%

### Remarks

Empty box for remarks.

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

### PLASTICITY INDEX



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BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS21

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 2.00

Soil Description Grey slightly sandy silty CLAY with sandy patches and white silt patches

Depth Base m -

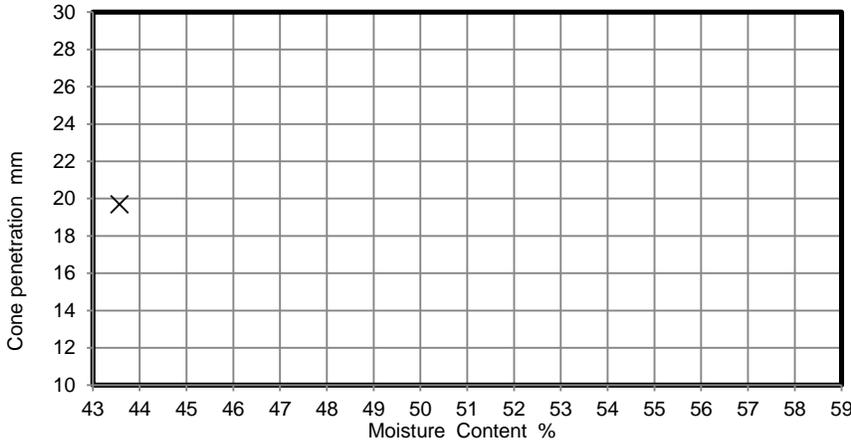
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

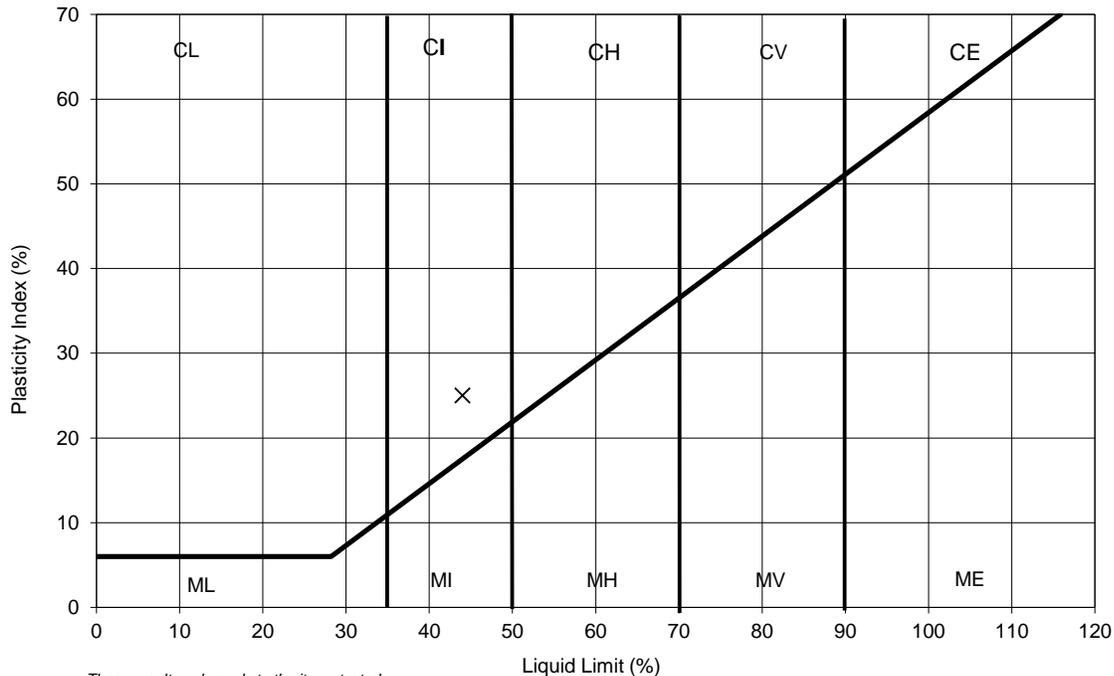


NATURAL MOISTURE CONTENT	17	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	44	%
PLASTIC LIMIT	19	%
PLASTICITY INDEX	25	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

## PLASTICITY INDEX



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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS22

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Light grey mottled orangish brown slightly sandy silty CLAY

Depth Base m -

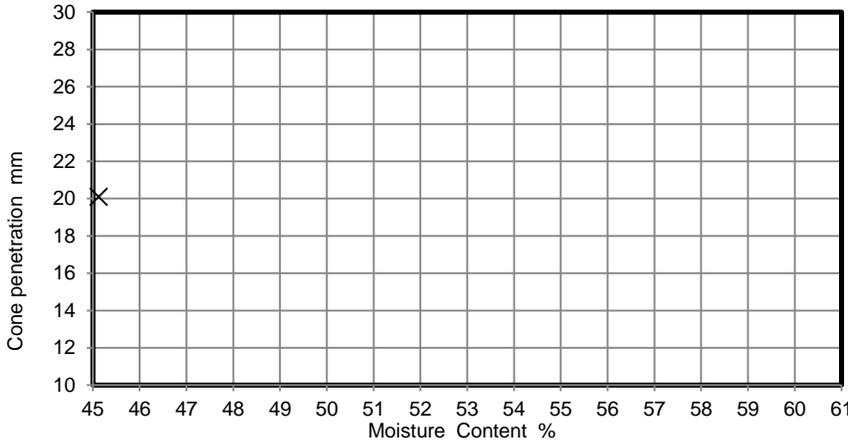
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

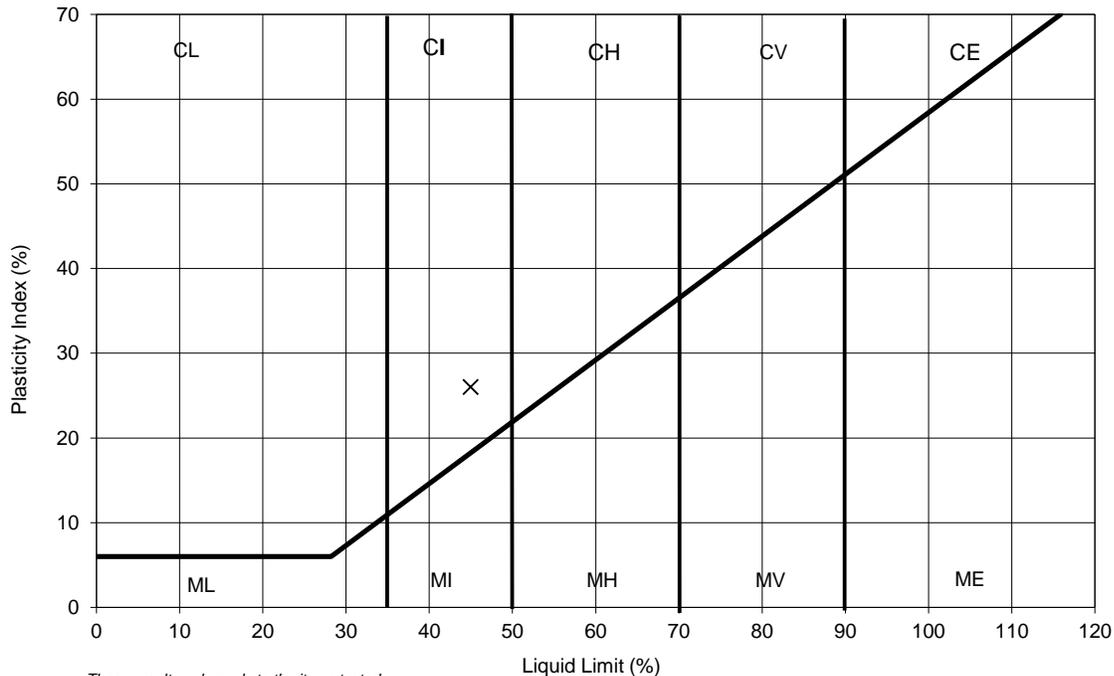


<b>NATURAL MOISTURE CONTENT</b>	<b>19</b>	<b>%</b>
<b>% PASSING 425µm SIEVE</b>	<b>100</b>	<b>%</b>
<b>LIQUID LIMIT</b>	<b>45</b>	<b>%</b>
<b>PLASTIC LIMIT</b>	<b>19</b>	<b>%</b>
<b>PLASTICITY INDEX</b>	<b>26</b>	<b>%</b>

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

## PLASTICITY INDEX



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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS22

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 2.00

Soil Description Light grey and orangish brown mottled very silty CLAY

Depth Base m -

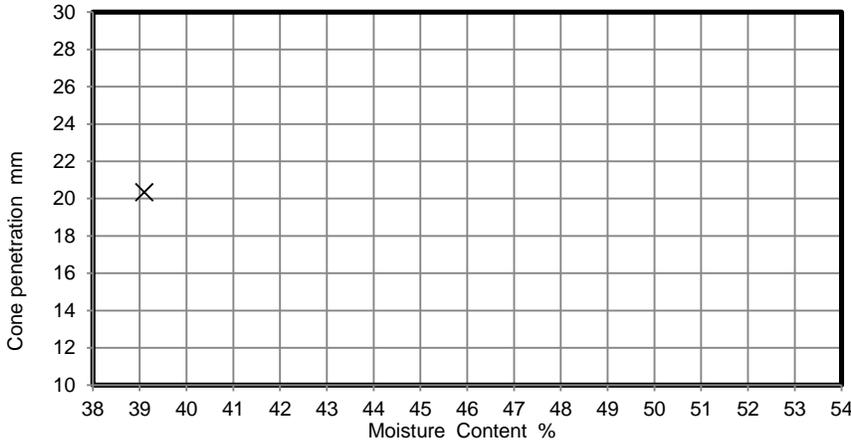
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

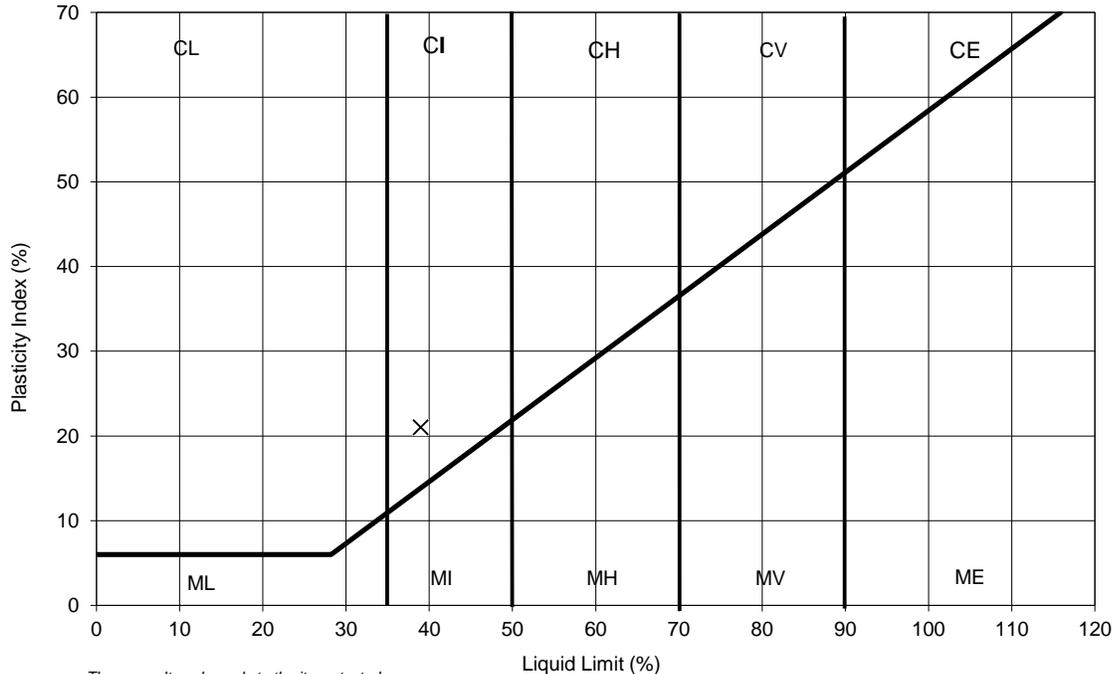


NATURAL MOISTURE CONTENT	17	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	39	%
PLASTIC LIMIT	18	%
PLASTICITY INDEX	21	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

## PLASTICITY INDEX



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BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS22

Site Name Sayers Common

Sample No. 7

Project No. GE22666 Client GESL

Depth Top m 3.50

Soil Description Orangish brown mottled reddish brown silty CLAY with light brown sandy patches

Depth Base m -

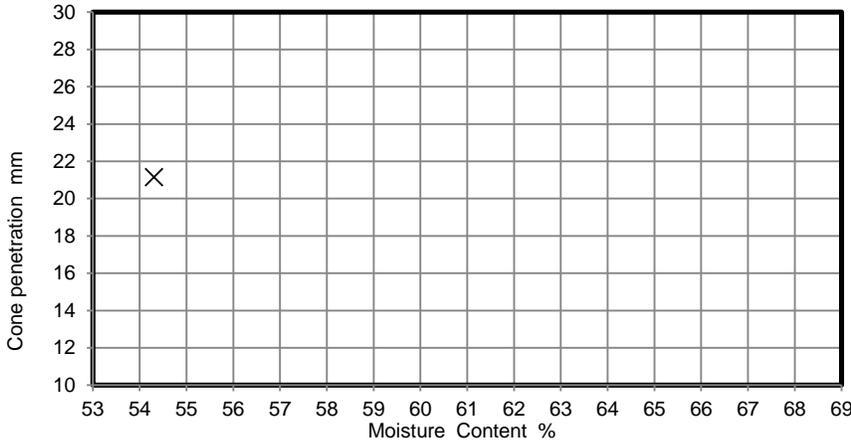
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

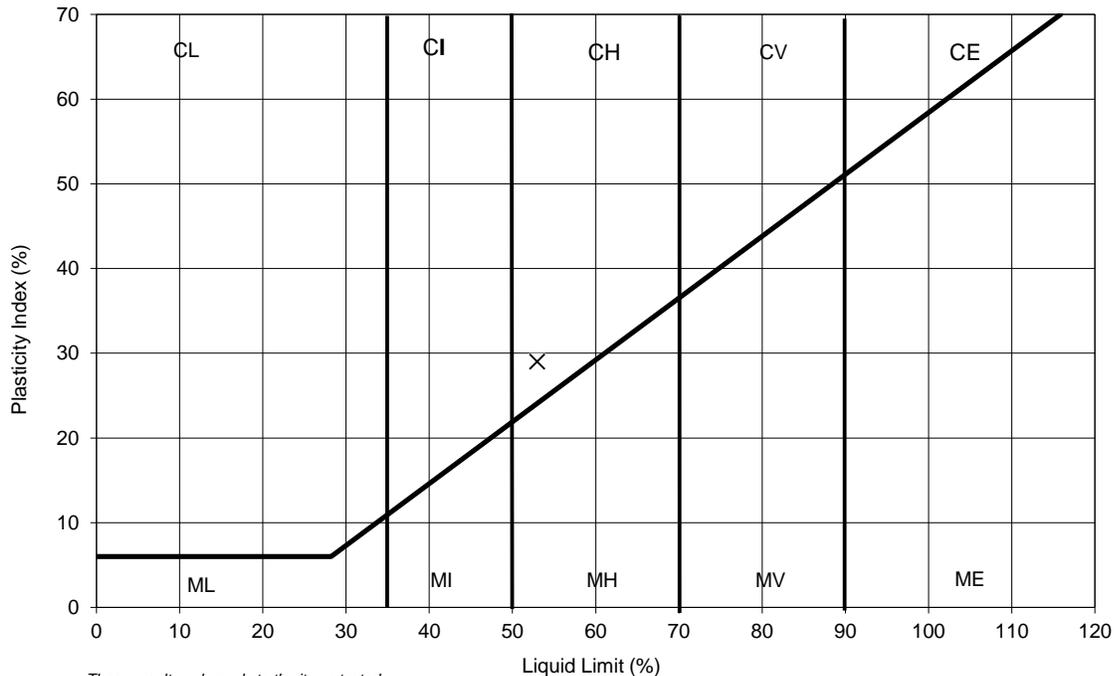


NATURAL MOISTURE CONTENT	19	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	53	%
PLASTIC LIMIT	24	%
PLASTICITY INDEX	29	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

## PLASTICITY INDEX



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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS23

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Reddish brown mottled light brown silty CLAY with rootlets

Depth Base m -

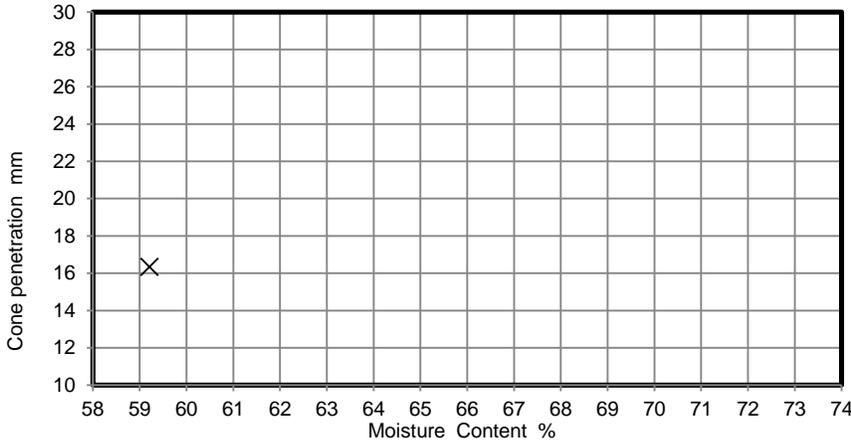
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024



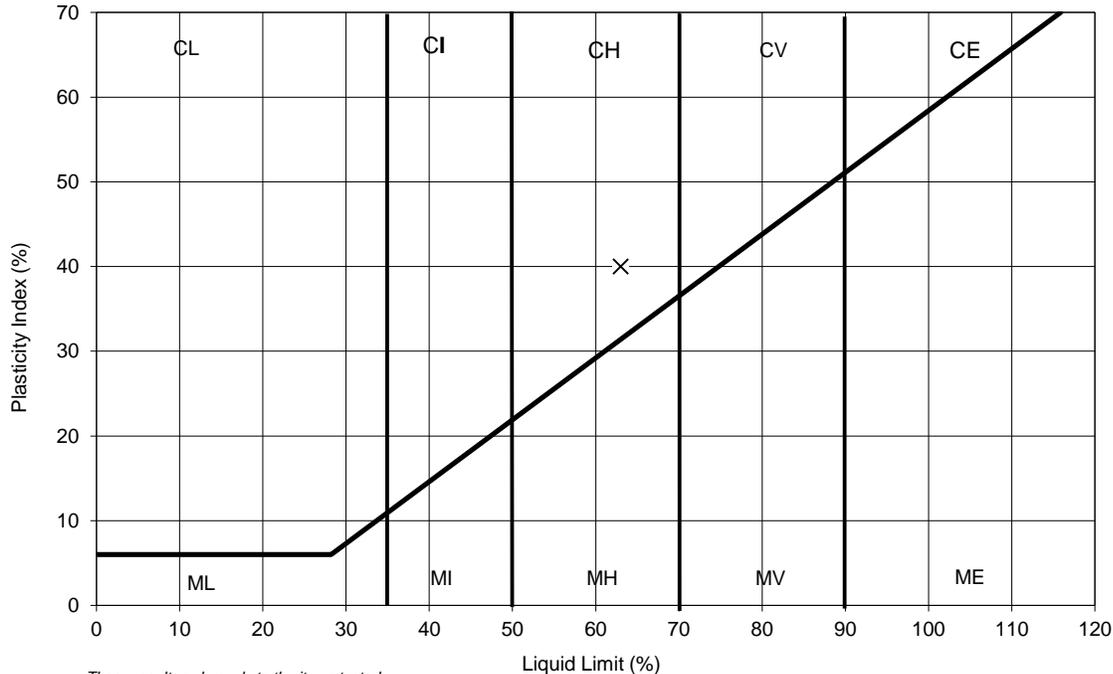
NATURAL MOISTURE CONTENT	26	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	63	%
PLASTIC LIMIT	23	%
PLASTICITY INDEX	40	%

Remarks

Empty box for remarks.

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

## PLASTICITY INDEX



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### LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS23

Site Name Sayers Common

Sample No. 3

Project No. GE22666 Client GESL

Depth Top m 1.50

Soil Description Light grey, locally mottled orangish brown and white, silty CLAY with sandy patches and rare fm calcareous nodules

Depth Base m -

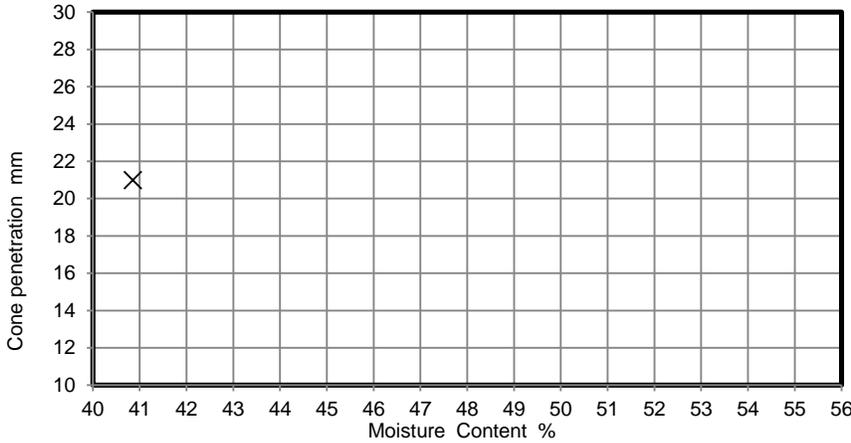
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

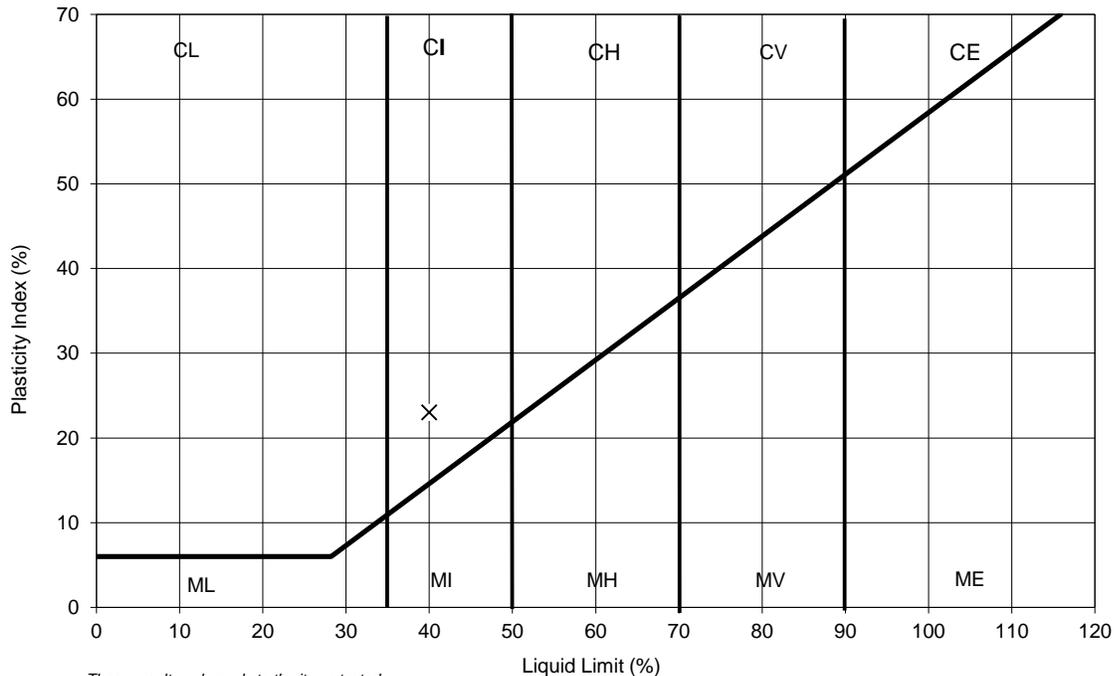


NATURAL MOISTURE CONTENT	19	%
% PASSING 425µm SIEVE	99	%
LIQUID LIMIT	40	%
PLASTIC LIMIT	17	%
PLASTICITY INDEX	23	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

### PLASTICITY INDEX



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BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS24

Site Name Sayers Common

Sample No. 1

Project No. GE22666 Client GESL

Depth Top m 0.50

Soil Description Reddish brown, locally mottled light grey, silty CLAY with sandy patches

Depth Base m -

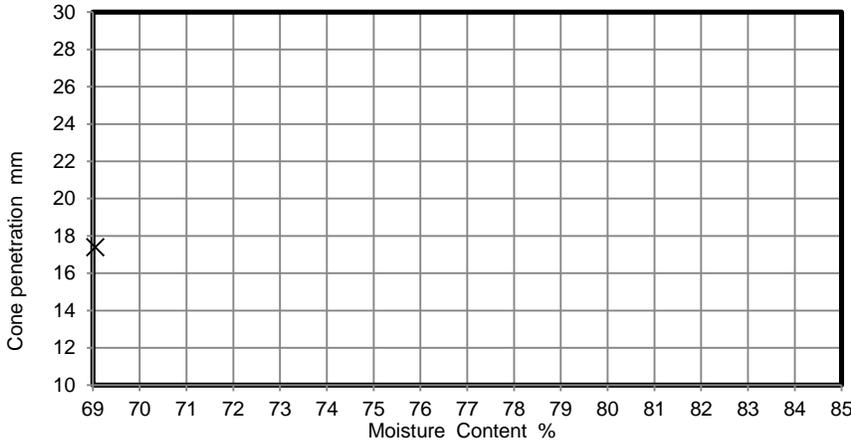
Sample Type D

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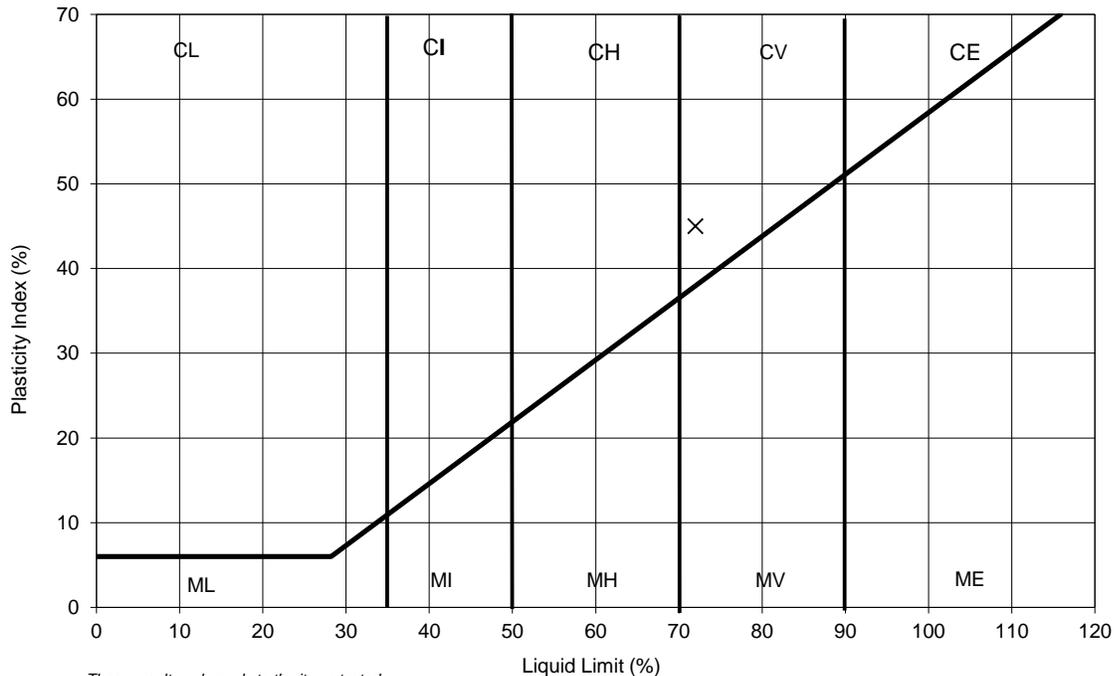


NATURAL MOISTURE CONTENT	25	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	72	%
PLASTIC LIMIT	27	%
PLASTICITY INDEX	45	%

### Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

### PLASTICITY INDEX



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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS24

Site Name Sayers Common

Sample No. 3

Project No. GE22666 Client GESL

Depth Top m 1.50

Soil Description Light grey mottled orangish brown slightly sandy silty CLAY

Depth Base m -

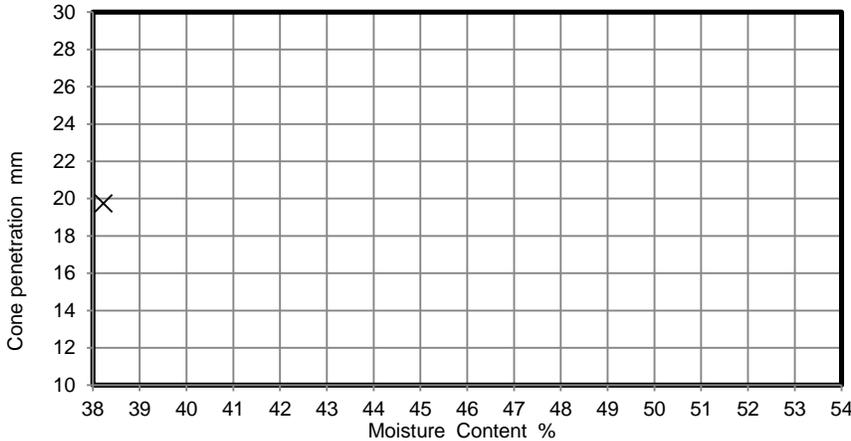
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

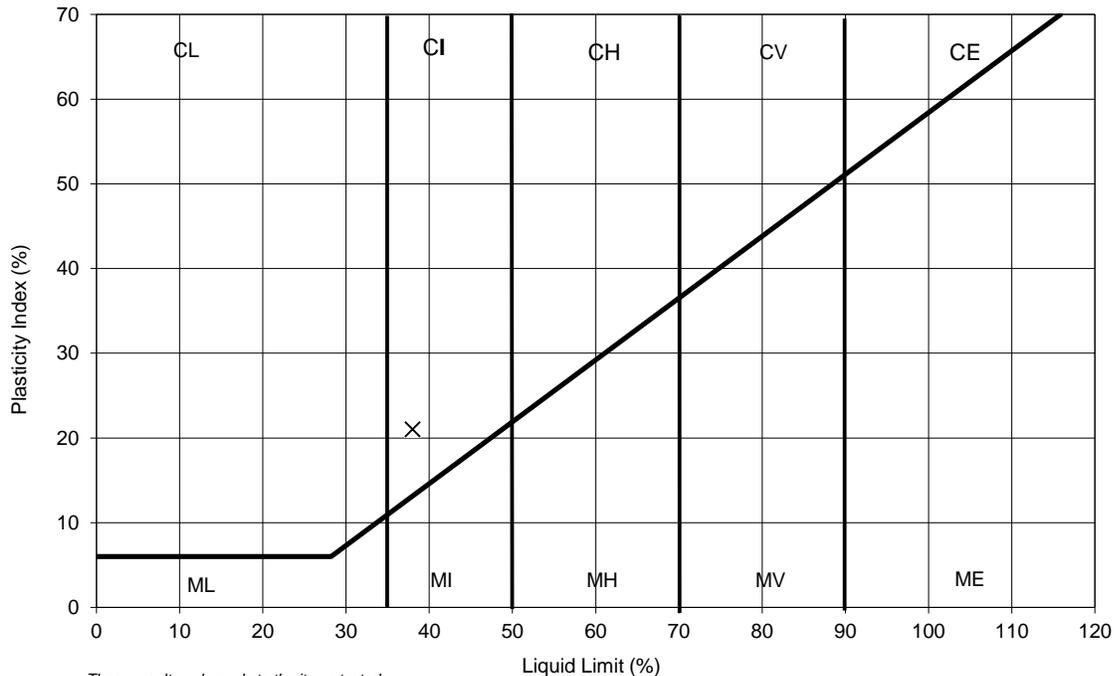


NATURAL MOISTURE CONTENT	18	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	38	%
PLASTIC LIMIT	17	%
PLASTICITY INDEX	21	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

## PLASTICITY INDEX



These results only apply to the items tested

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### TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

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Checked and Approved

Initials: J.P

Date: 19/09/2024



2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

MSF-5 R2



# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS25

Site Name Sayers Common

Sample No. 3

Project No. GE22666 Client GESL

Depth Top m 1.60

Soil Description Reddish brown, locally mottled light brown, sandy silty CLAY

Depth Base m -

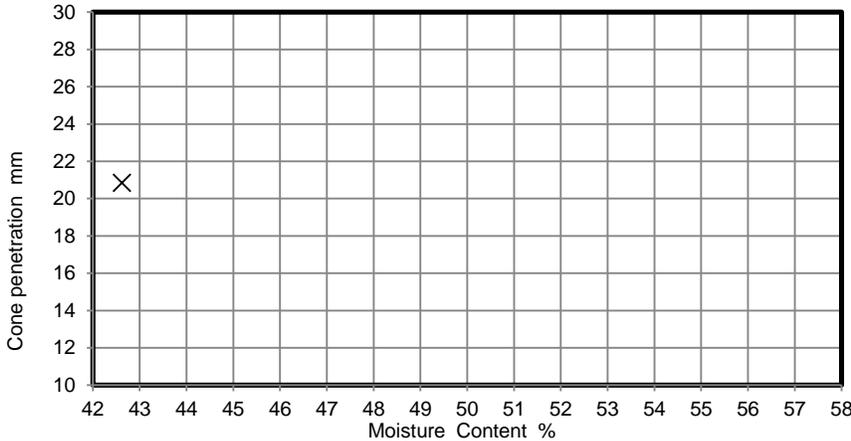
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

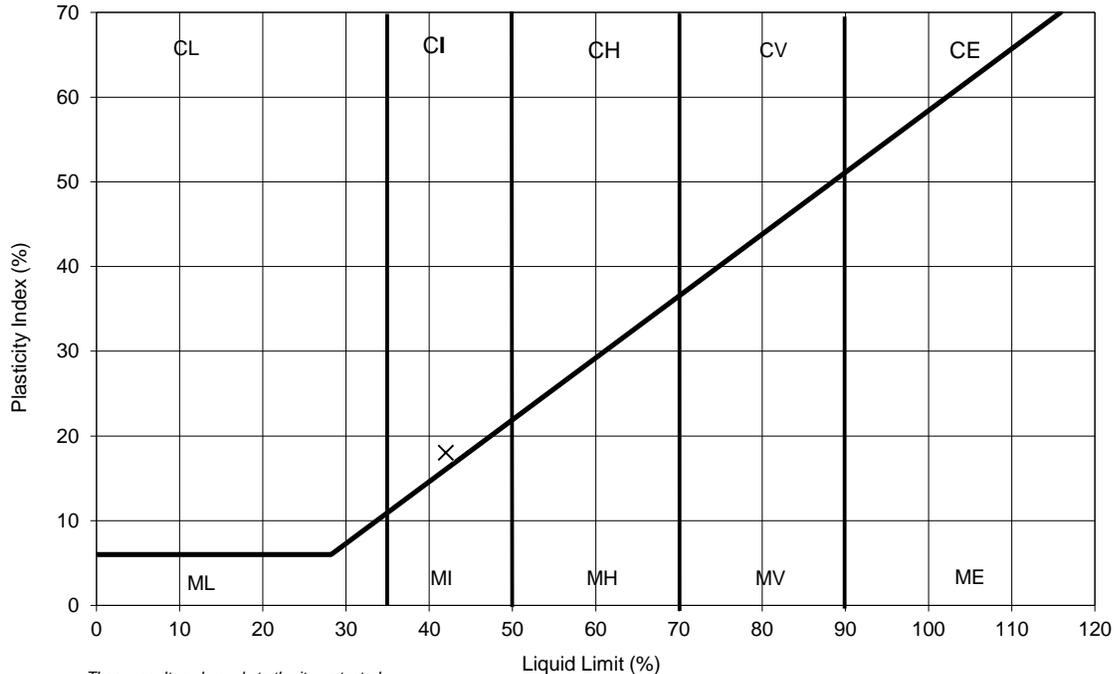


NATURAL MOISTURE CONTENT	20	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	42	%
PLASTIC LIMIT	24	%
PLASTICITY INDEX	18	%

### Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

### PLASTICITY INDEX



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#### TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS26

Site Name Sayers Common

Sample No. 1

Project No. GE22666 Client GESL

Depth Top m 0.50

Soil Description Brown mottled orangish brown sandy silty CLAY with sandy patches

Depth Base m -

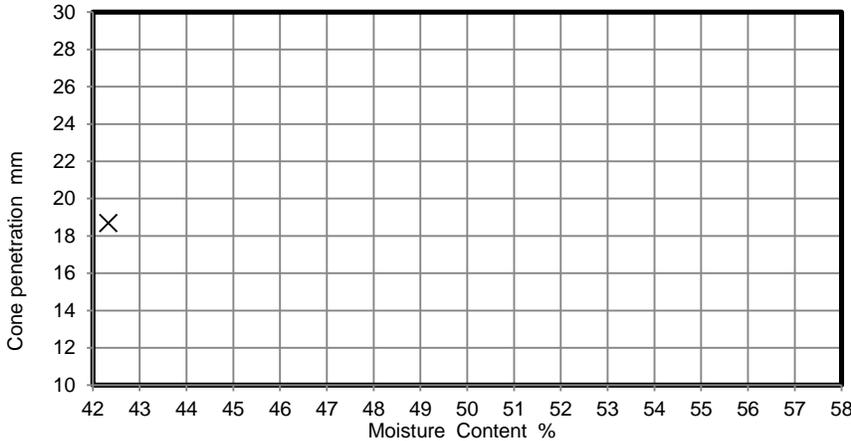
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

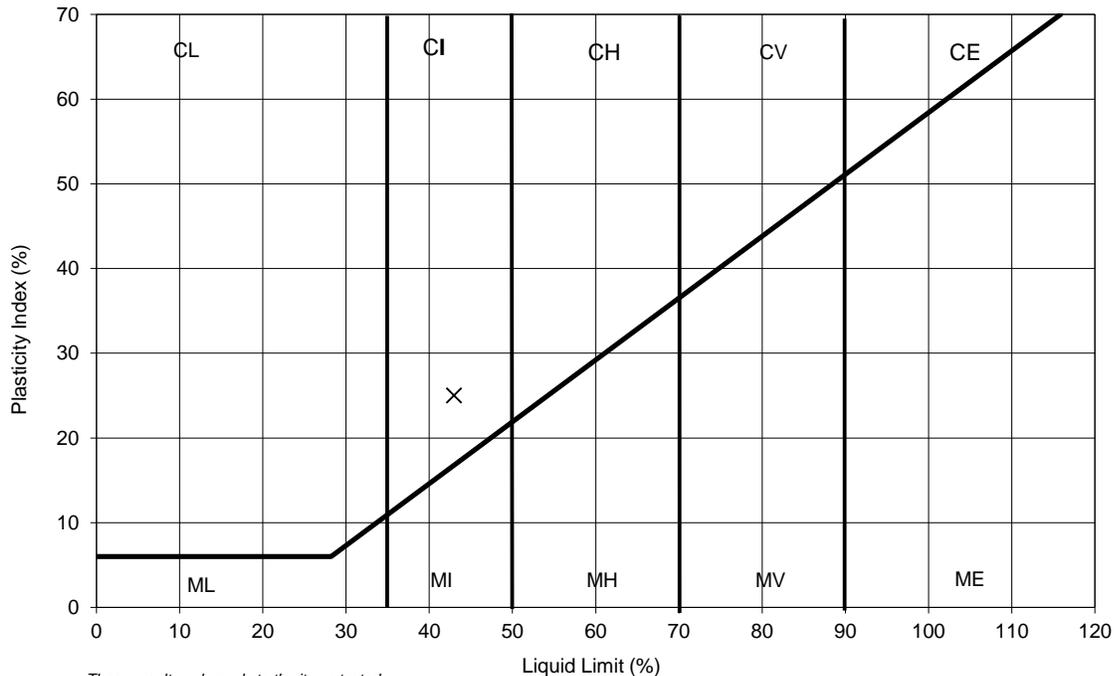


NATURAL MOISTURE CONTENT	15	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	43	%
PLASTIC LIMIT	18	%
PLASTICITY INDEX	25	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

## PLASTICITY INDEX



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### TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

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Initials: J.P

Date: 19/09/2024



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# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS26

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 2.00

Soil Description Brown mottled orangish brown sandy silty CLAY with sandy patches

Depth Base m -

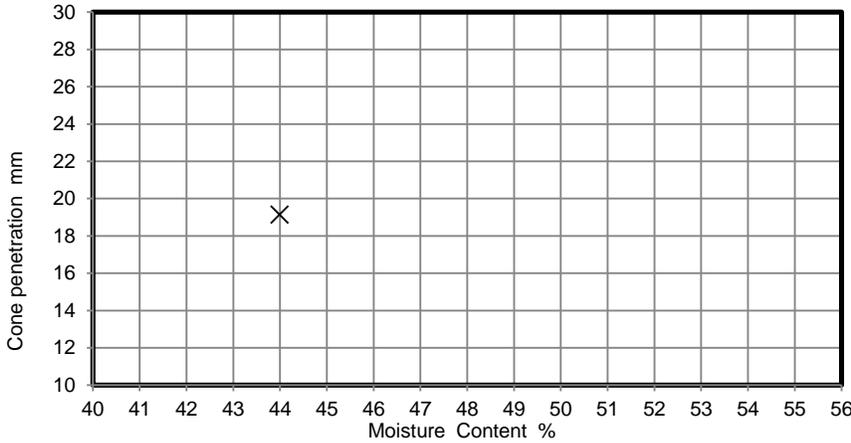
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

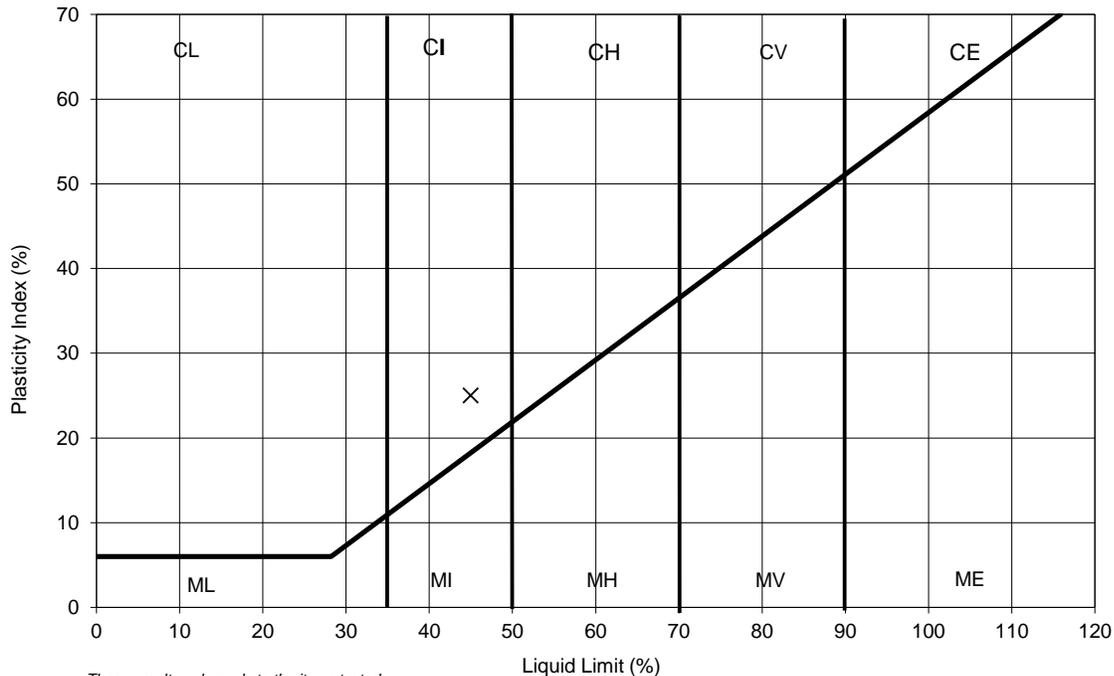


NATURAL MOISTURE CONTENT	22	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	45	%
PLASTIC LIMIT	20	%
PLASTICITY INDEX	25	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

## PLASTICITY INDEX



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### TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

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### LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS27

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Orangish brown and light grey mottled silty CLAY with sandy patches

Depth Base m -

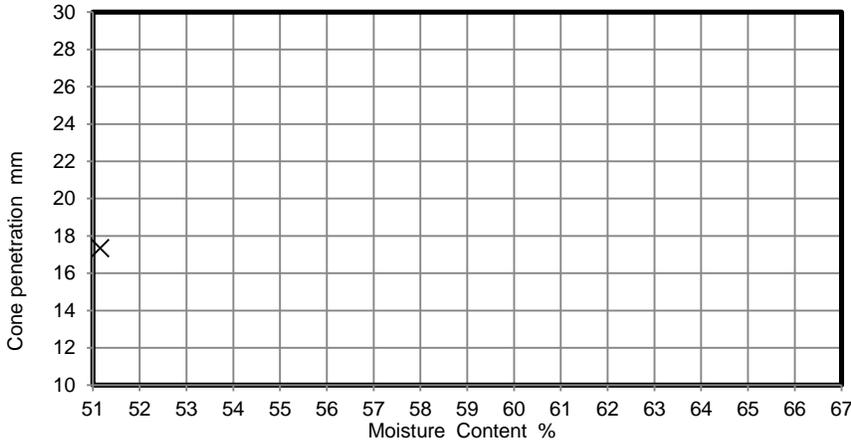
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

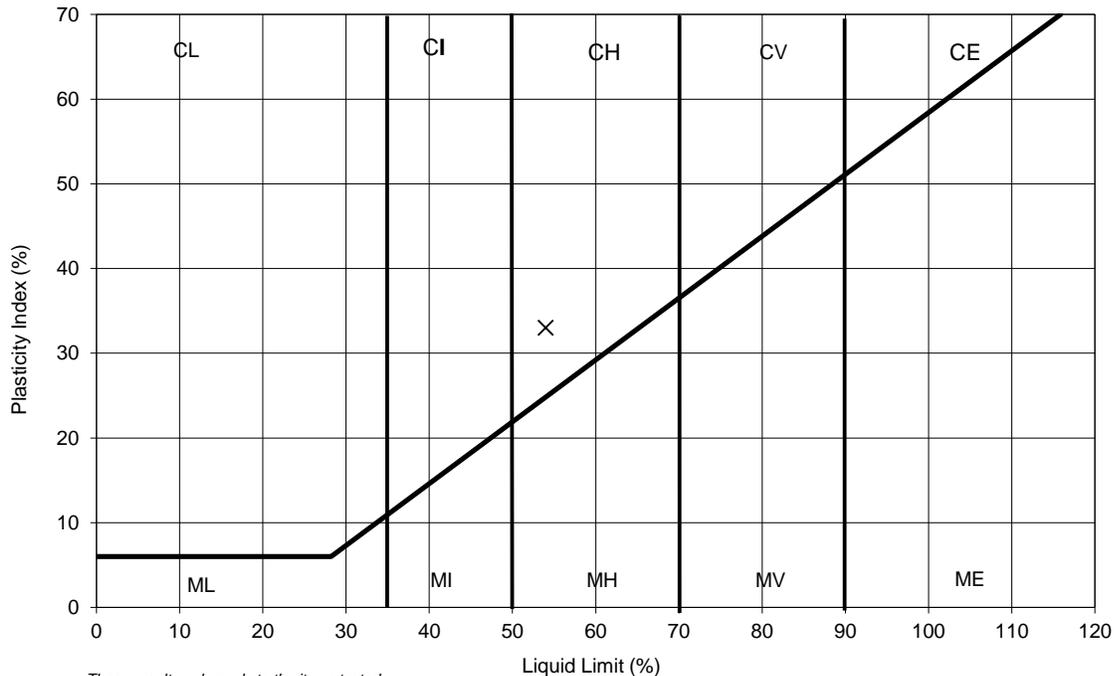


NATURAL MOISTURE CONTENT	18	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	54	%
PLASTIC LIMIT	21	%
PLASTICITY INDEX	33	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

### PLASTICITY INDEX



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#### TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

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Checked and Approved

Initials: J.P

Date: 19/09/2024



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### LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS28

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Light grey and orangish brown mottled slightly sandy silty CLAY

Depth Base m -

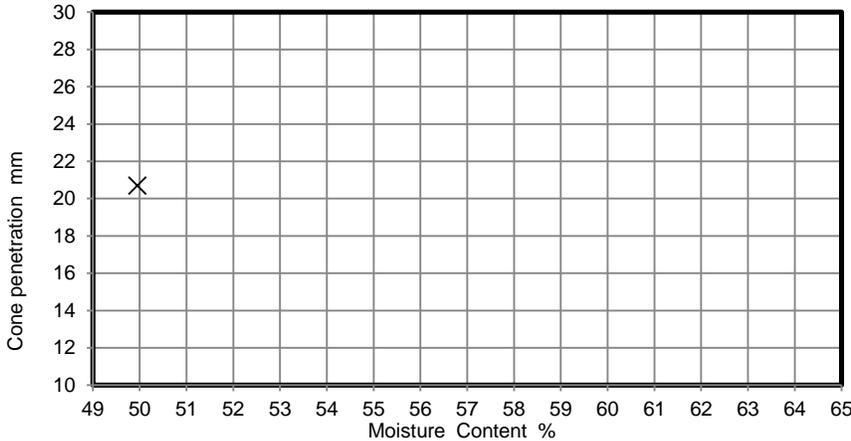
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

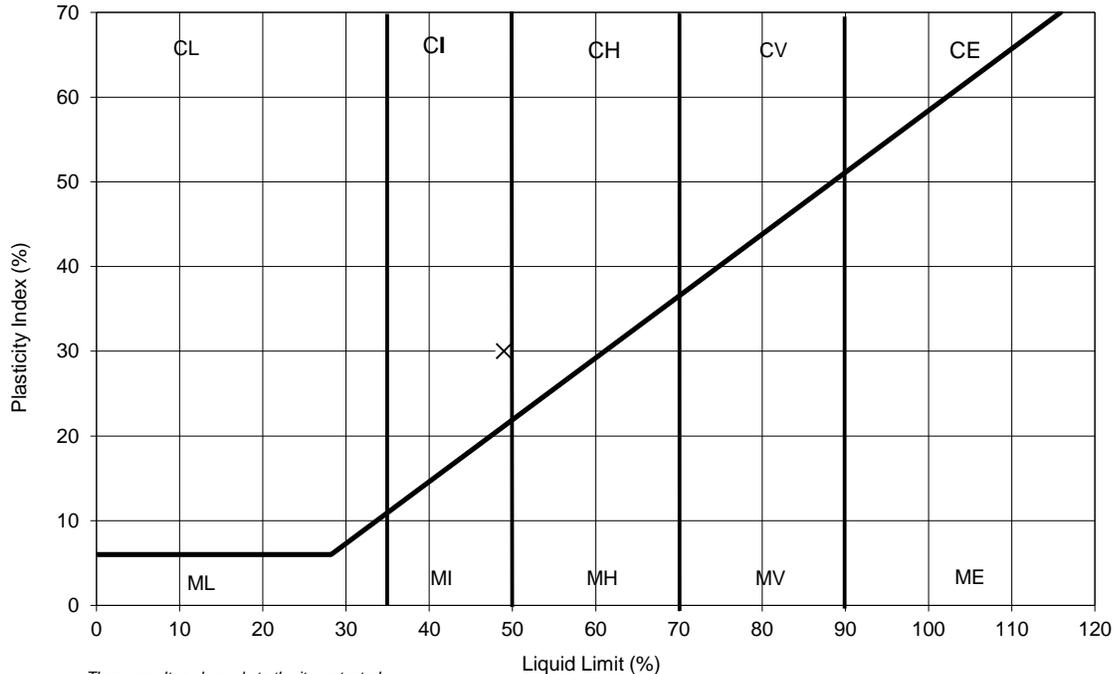


NATURAL MOISTURE CONTENT	21	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	49	%
PLASTIC LIMIT	19	%
PLASTICITY INDEX	30	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

### PLASTICITY INDEX



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#### TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

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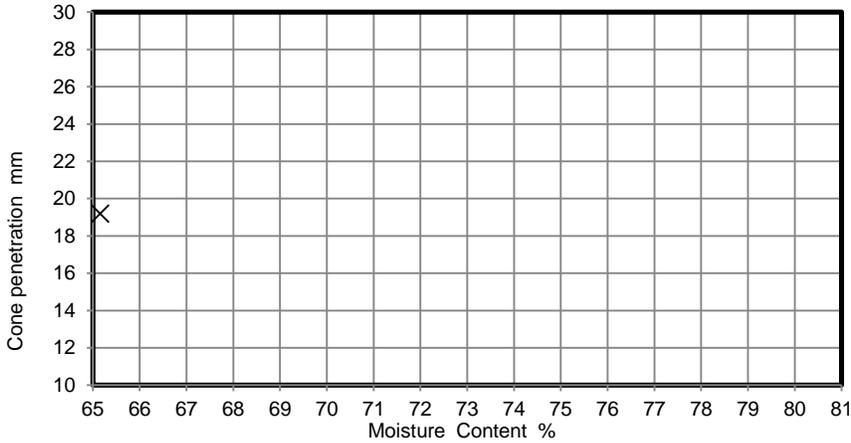
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## LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	35924
Borehole/Pit No.	WS29
Sample No.	1
Depth Top m	0.50
Depth Base m	-
Sample Type	D
Samples received	22/08/2024
Schedules received	27/08/2024
Project Started	28/08/2024
Date Tested	16/09/2024

Site Name	Sayers Common		
Project No.	GE22666	Client	GESL
Soil Description	Brown and greyish brown mottled silty CLAY with sandy patches		

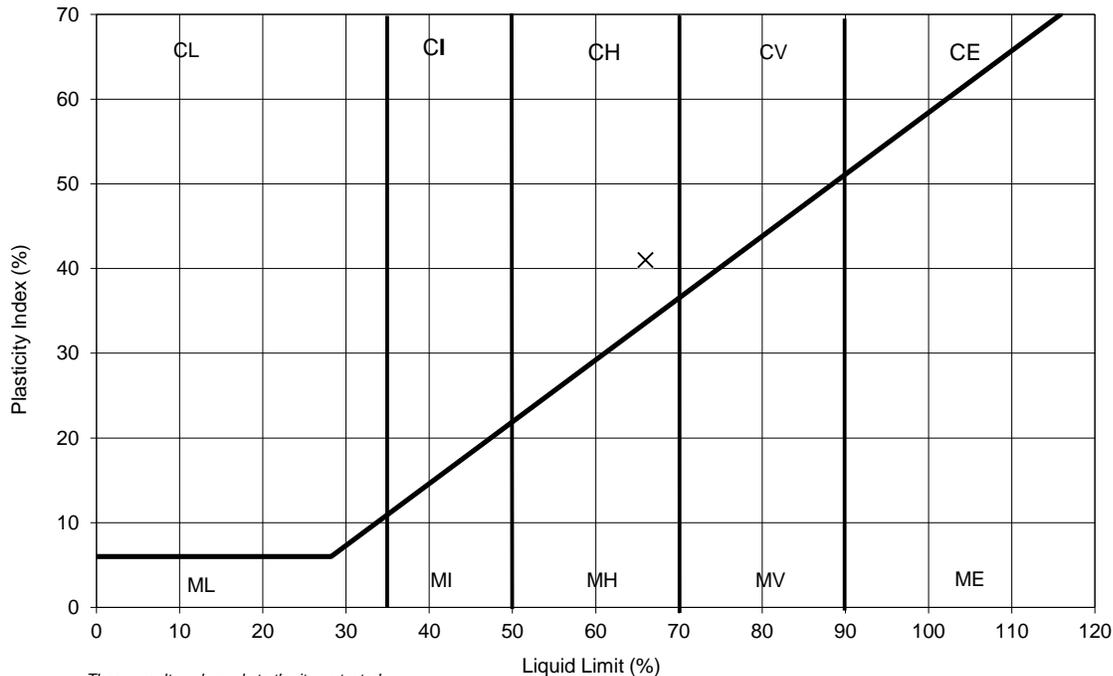


NATURAL MOISTURE CONTENT	21	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	66	%
PLASTIC LIMIT	25	%
PLASTICITY INDEX	41	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

### PLASTICITY INDEX



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**TEST METHOD**

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

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**Checked and Approved**

Initials: J.P

Date: 19/09/2024



# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS30

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Greyish brown, mottled brown, orangish brown and black, silty CLAY with rare fine sub-angular gravel

Depth Base m -

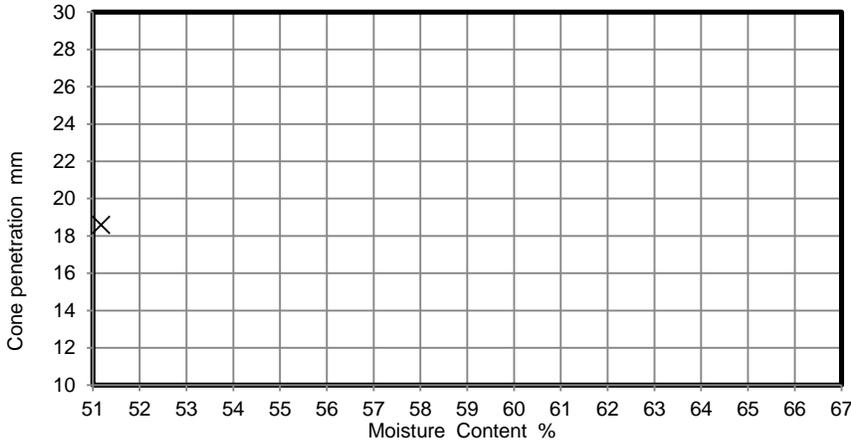
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

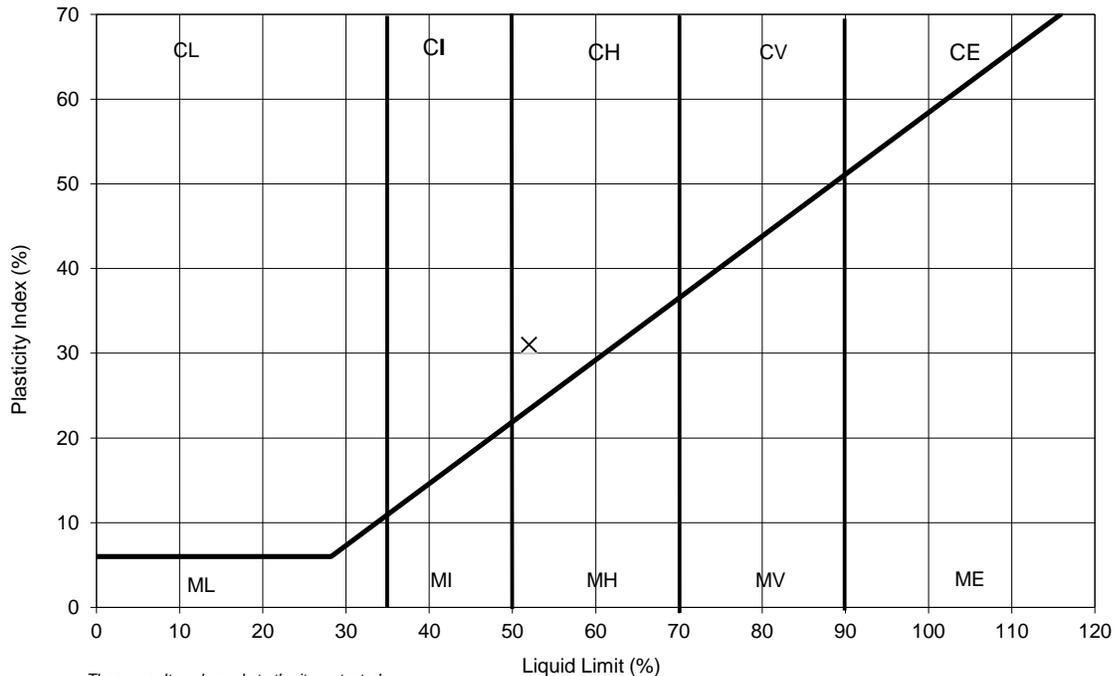


NATURAL MOISTURE CONTENT	20	%
% PASSING 425µm SIEVE	99	%
LIQUID LIMIT	52	%
PLASTIC LIMIT	21	%
PLASTICITY INDEX	31	%

### Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

### PLASTICITY INDEX



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#### TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

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Date: 19/09/2024



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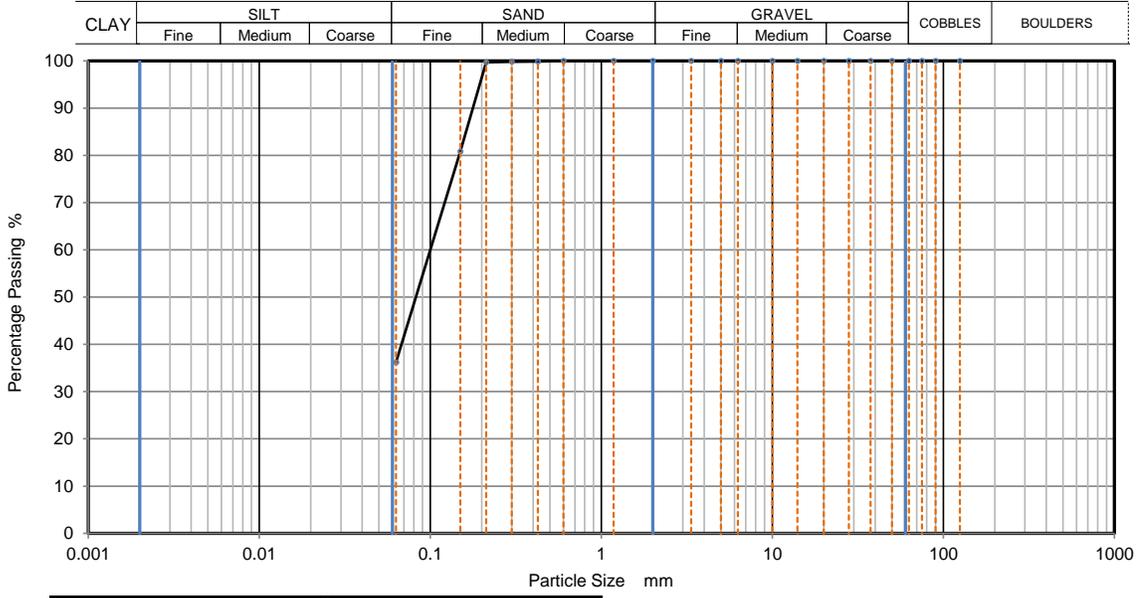




## PARTICLE SIZE DISTRIBUTION

		Job Ref	35924
		Borehole/Pit No.	WS28
Site Name	Sayers Common	Sample No.	3
Project No.	GE22666	Client	GESL
		Depth Top	1.50 m
Soil Description	Greenish grey sandy silty CLAY	Depth Base	- m
		Sample Type	D
		Samples received	22/08/2024
		Schedules received	27/08/2024
Test Method	BS1377:Part 2: 1990, clause 9.0	Project started	28/08/2024
		Date tested	09/09/2024

*These results only apply to the items tested*



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.212	100		
0.15	81		
0.063	36		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	64
Fines <0.063mm	36

Grading Analysis	
D100	mm
D60	mm 0.1
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks  
Preparation and testing in accordance with BS1377 unless noted below

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**K4 Soils Laboratory**  
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 Email: james@k4soils.com  
 Tel: 01923 711288

**Checked and Approved**  
 Initials: J.P  
 Date: 19/09/2024

## **APPENDIX D**

### **Geochemical Laboratory Test Results & Hazwaste Assessment**





4041



Environmental Science

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WD18 8YS

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## **Analytical Report Number : 24-038319**

<b>Project / Site name:</b>	Sayers Common	<b>Samples received on:</b>	23/08/2024
<b>Your job number:</b>	GE22666	<b>Samples instructed on/ Analysis started on:</b>	23/08/2024
<b>Your order number:</b>	PO-7677	<b>Analysis completed by:</b>	30/08/2024
<b>Report Issue Number:</b>	1	<b>Report issued on:</b>	02/09/2024
<b>Samples Analysed:</b>	32 soil samples		

**Signed:** \_\_\_\_\_

Anna Goc  
PL Head of Reporting Team  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting  
leachates - 2 weeks from reporting  
waters - 2 weeks from reporting  
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297259	297260	297261	297262	297263
Sample Reference				WS04	WS05	WS05	WS06	WS07
Sample Number				None Supplied				
Depth (m)				0.10	0.10	0.50	4.00	2.00
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	13	15	13	17
Total mass of sample received	kg	0.1	NONE	1.5	1.2	1.4	1	1.4

**Asbestos**

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	SCA	SCA	SCA	-	-

**General Inorganics**

pH (L099)	pH Units	N/A	MCERTS	7.7	7.3	7.6	7.8	8.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	380	490	470	760	300
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	-	-	-	0.076	0.03
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	32	36	100	690	140
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-	-	0.345	0.0675
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	15.9	18	52.4	345	67.5
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	9.8	5.8	4.7	-	-
Elemental Sulphur	mg/kg	5	MCERTS	7.2	7.8	13	-	-
Total Sulphur	mg/kg	50	MCERTS	-	-	-	290	100
Total Sulphur	%	0.005	MCERTS	-	-	-	0.029	0.01
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.6	1.6	0.3	-	-

**Total Phenols**

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
----------------------------	-------	---	--------	-------	-------	-------	---	---

**Speciated PAHs**

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Fluoranthene	mg/kg	0.05	MCERTS	0.11	0.08	< 0.05	-	-
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.06	< 0.05	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	-	-
Chrysene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-

**Total PAH**

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	-	-
-----------------------------	-------	-----	-----------	--------	--------	--------	---	---

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297259	297260	297261	297262	297263
Sample Reference				WS04	WS05	WS05	WS06	WS07
Sample Number				None Supplied				
Depth (m)				0.10	0.10	0.50	4.00	2.00
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

#### Heavy Metals / Metalloids

Element	Units	Test Limit of detection	Test Accreditation Status	297259	297260	297261	297262	297263
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	16	15	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	68	67	65	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.89	0.89	0.87	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	1.3	1.1	1.5	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	27	29	38	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	19	22	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	32	43	19	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	11	14	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.3	1.2	< 1.0	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	43	48	53	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	58	62	51	-	-

#### Petroleum Hydrocarbons

Parameter	Units	Test Limit of detection	Test Accreditation Status	297259	297260	297261	297262	297263
TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	-	-
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	-	-
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	-	-
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	-	-
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	-	-
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	-	-
TPHCWG - Aliphatic >EC35 - EC44 EH_CU_1D_AL	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	-	-
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	< 10	< 10	-	-
TPHCWG - Aliphatic >EC5 - EC44 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	< 10	< 10	-	-

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	-	-
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	-	-
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	-	-
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	-	-
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10	< 10	-	-
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10	< 10	-	-
TPHCWG - Aromatic >EC35 - EC44 EH_CU_1D_AR	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	-	-
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	< 10	< 10	-	-
TPHCWG - Aromatic >EC5 - EC44 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	< 10	< 10	-	-

#### VOCs

Parameter	Units	Test Limit of detection	Test Accreditation Status	297259	297260	297261	297262	297263
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	-	-
p & m-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	-	-



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297259	297260	297261	297262	297263
Sample Reference				WS04	WS05	WS05	WS06	WS07
Sample Number				None Supplied				
Depth (m)				0.10	0.10	0.50	4.00	2.00
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

**Pesticides**

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrinfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297259	297260	297261	297262	297263
Sample Reference				WS04	WS05	WS05	WS06	WS07
Sample Number				None Supplied				
Depth (m)				0.10	0.10	0.50	4.00	2.00
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
				Parathion	µg/kg	10	NONE	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 24-038319  
 Project / Site name: Sayers Common  
 Your Order No: PO-7677

Lab Sample Number				297264	297265	297266	297267	297268
Sample Reference				WS08	WS08	WS10	WS11	WS11
Sample Number				None Supplied				
Depth (m)				0.10	0.60	1.00	0.60	1.20
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	21.4	< 0.1
Moisture Content	%	0.01	NONE	8.9	11	12	9.1	15
Total mass of sample received	kg	0.1	NONE	1.1	1.4	1.5	1.4	1.2

#### Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA	SCA	-	SCA	MJN

#### General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.8	8.2	5	9	8.1
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	520	290	700	990	260
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	-	-	0.07	-	-
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	21	60	220	260	140
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-	0.11	-	-
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	10.6	30.2	110	130	67.9
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	1.1	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	8.5	7.5	-	8.3	7.5
Elemental Sulphur	mg/kg	5	MCERTS	7.1	6.8	-	< 5.0	7.7
Total Sulphur	mg/kg	50	MCERTS	-	-	260	-	-
Total Sulphur	%	0.005	MCERTS	-	-	0.026	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.9	0.4	-	0.6	0.3

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
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#### Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	0.34	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	1.3	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	1.3	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	0.81	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	0.85	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	1.2	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	0.57	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	1.1	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	0.61	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	0.1	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	0.73	< 0.05

#### Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	-	8.88	< 0.80
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Analytical Report Number: 24-038319  
 Project / Site name: Sayers Common  
 Your Order No: PO-7677

Lab Sample Number				297264	297265	297266	297267	297268
Sample Reference				WS08	WS08	WS10	WS11	WS11
Sample Number				None Supplied				
Depth (m)				0.10	0.60	1.00	0.60	1.20
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

#### Heavy Metals / Metalloids

Element	Units	Test Limit of detection	Test Accreditation Status	297264	297265	297266	297267	297268
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	16	21	-	20	36
Barium (aqua regia extractable)	mg/kg	1	MCERTS	64	59	-	120	66
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.82	0.95	-	1.1	1
Boron (water soluble)	mg/kg	0.2	MCERTS	1	0.9	-	1.1	1.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	-	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	27	36	-	29	34
Copper (aqua regia extractable)	mg/kg	1	MCERTS	12	17	-	27	25
Lead (aqua regia extractable)	mg/kg	1	MCERTS	50	19	-	200	28
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	13	-	23	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.9	1.1	-	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	40	48	-	41	54
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	50	55	-	99	37

#### Petroleum Hydrocarbons

Compound	Units	Test Limit of detection	Test Accreditation Status	297264	297265	297266	297267	297268
TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC35 - EC44 EH_CU_1D_AL	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10

Compound	Units	Test Limit of detection	Test Accreditation Status	297264	297265	297266	297267	297268
TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 EH_CU_1D_AR	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC5 - EC44 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10

#### VOCs

Compound	Units	Test Limit of detection	Test Accreditation Status	297264	297265	297266	297267	297268
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
p & m-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297264	297265	297266	297267	297268
Sample Reference				WS08	WS08	WS10	WS11	WS11
Sample Number				None Supplied				
Depth (m)				0.10	0.60	1.00	0.60	1.20
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

## Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrinfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297264	297265	297266	297267	297268
Sample Reference				WS08	WS08	WS10	WS11	WS11
Sample Number				None Supplied				
Depth (m)				0.10	0.60	1.00	0.60	1.20
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
				Parathion	µg/kg	10	NONE	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number					297269	297270	297271	297272	297273
Sample Reference					WS12	WS12	WS12	WS13	WS13A
Sample Number					None Supplied				
Depth (m)					0.10	0.60	1.50	0.50	0.60
Date Sampled					Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken					None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status						

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	58.5
Moisture Content	%	0.01	NONE	9.7	15	16	11	9.1
Total mass of sample received	kg	0.1	NONE	1.4	1.2	1.3	1.1	1.2

**Asbestos**

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN	MJN	-	MJN	MJN

**General Inorganics**

pH (L099)	pH Units	N/A	MCERTS	6.7	8.7	7.9	8	8.1
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	430	190	160	680	3900
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	-	-	0.016	0.068	-
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	14	15	83	28	200
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-	0.0413	0.0138	-
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	6.95	7.36	41.3	13.8	98.5
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	7.5	5.4	-	2.3	17
Elemental Sulphur	mg/kg	5	MCERTS	7.3	11	-	7	7.5
Total Sulphur	mg/kg	50	MCERTS	-	-	110	370	-
Total Sulphur	%	0.005	MCERTS	-	-	0.011	0.037	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.8	0.3	-	2.2	2

**Total Phenols**

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
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**Speciated PAHs**

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.08	< 0.05	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.31	< 0.05	-	0.31	0.24
Anthracene	mg/kg	0.05	MCERTS	2.4	< 0.05	-	0.13	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.3	< 0.05	-	0.76	0.51
Pyrene	mg/kg	0.05	MCERTS	0.25	< 0.05	-	0.66	0.46
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.17	< 0.05	-	0.4	0.28
Chrysene	mg/kg	0.05	MCERTS	0.39	< 0.05	-	0.42	0.29
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.13	< 0.05	-	0.59	0.45
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.08	< 0.05	-	0.19	0.14
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.13	< 0.05	-	0.44	0.35
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.06	< 0.05	-	0.24	0.25
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.08	< 0.05	-	0.25	0.28

**Total PAH**

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	4.38	< 0.80	-	4.4	3.25
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Analytical Report Number: 24-038319  
 Project / Site name: Sayers Common  
 Your Order No: PO-7677

Lab Sample Number				297269	297270	297271	297272	297273
Sample Reference				WS12	WS12	WS12	WS13	WS13A
Sample Number				None Supplied				
Depth (m)				0.10	0.60	1.50	0.50	0.60
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

#### Heavy Metals / Metalloids

Element	Units	Test Limit of detection	Test Accreditation Status	297269	297270	297271	297272	297273
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	17	12	-	25	13
Barium (aqua regia extractable)	mg/kg	1	MCERTS	65	68	-	92	52
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.88	1.1	-	1.1	0.36
Boron (water soluble)	mg/kg	0.2	MCERTS	1	0.9	-	1.5	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	< 0.2	0.5
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	-	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	27	43	-	27	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	22	28	-	39	59
Lead (aqua regia extractable)	mg/kg	1	MCERTS	49	21	-	250	110
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	17	-	17	9.8
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	41	56	-	47	18
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	130	58	-	100	180

#### Petroleum Hydrocarbons

Parameter	Units	Test Limit of detection	Test Accreditation Status	297269	297270	297271	297272	297273
TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	8.1
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	34
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	38
TPHCWG - Aliphatic >EC35 - EC44 EH_CU_1D_AL	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	22
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	< 10	-	< 10	80
TPHCWG - Aliphatic >EC5 - EC44 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	< 10	-	< 10	100

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10	-	< 10	23
TPHCWG - Aromatic >EC35 - EC44 EH_CU_1D_AR	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	10
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	< 10	-	< 10	23
TPHCWG - Aromatic >EC5 - EC44 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	< 10	-	< 10	33

#### VOCs

Parameter	Units	Test Limit of detection	Test Accreditation Status	297269	297270	297271	297272	297273
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
p & m-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297269	297270	297271	297272	297273
Sample Reference				WS12	WS12	WS12	WS13	WS13A
Sample Number				None Supplied				
Depth (m)				0.10	0.60	1.50	0.50	0.60
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

**Pesticides**

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrinfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297269	297270	297271	297272	297273
Sample Reference				WS12	WS12	WS12	WS13	WS13A
Sample Number				None Supplied				
Depth (m)				0.10	0.60	1.50	0.50	0.60
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297274	297275	297276	297277	297278
Sample Reference				WS13A	WS13A	WS15	WS16	WS18
Sample Number				None Supplied				
Depth (m)				1.20	2.20	2.50	2.80	0.10
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	20	13	16	12	11
Total mass of sample received	kg	0.1	NONE	1.4	1.2	1.5	1.5	1.5

**Asbestos**

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN	-	-	-	MJN

**General Inorganics**

pH (L099)	pH Units	N/A	MCERTS	7.4	6	7.2	6.3	6.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	-	-	< 1.0
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	16000	440	41000	130	620
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	-	0.044	4.07	0.013	-
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	4900	100	5700	37	27
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.052	2.85	0.0183	-
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	2440	52	2850	18.3	13.6
Sulphide	mg/kg	1	MCERTS	< 1.0	-	-	-	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	55	-	-	-	14
Elemental Sulphur	mg/kg	5	MCERTS	10	-	-	-	< 5.0
Total Sulphur	mg/kg	50	MCERTS	-	170	14000	< 50	-
Total Sulphur	%	0.005	MCERTS	-	0.017	1.42	< 0.005	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.1	-	-	-	2.3

**Total Phenols**

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	-	-	< 1.0
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**Speciated PAHs**

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.13
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.08
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.35
Pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.17
Chrysene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.21
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	-	-	-	0.28
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	-	-	-	0.09
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.21
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.13
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.12

**Total PAH**

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	-	-	-	2.07
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Analytical Report Number: 24-038319  
 Project / Site name: Sayers Common  
 Your Order No: PO-7677

Lab Sample Number				297274	297275	297276	297277	297278
Sample Reference				WS13A	WS13A	WS15	WS16	WS18
Sample Number				None Supplied				
Depth (m)				1.20	2.20	2.50	2.80	0.10
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

#### Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	13	-	-	-	12
Barium (aqua regia extractable)	mg/kg	1	MCERTS	61	-	-	-	58
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.1	-	-	-	0.69
Boron (water soluble)	mg/kg	0.2	MCERTS	1.8	-	-	-	1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	-	-	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	40	-	-	-	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	30	-	-	-	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	22	-	-	-	36
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	20	-	-	-	11
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	-	-	1.5
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	56	-	-	-	35
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	60	-	-	-	68

#### Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	-	-	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	-	-	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	-	-	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	-	-	-	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	< 2.0	-	-	-	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	-	-	-	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	-	-	-	< 8.0
TPHCWG - Aliphatic >EC35 - EC44 EH_CU_1D_AL	mg/kg	8.4	NONE	< 8.4	-	-	-	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	-	-	-	< 10
TPHCWG - Aliphatic >EC5 - EC44 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	-	-	-	< 10

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	-	-	-	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	-	-	-	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	-	-	-	< 0.020
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	-	-	-	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	-	-	-	< 2.0
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	-	-	-	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	-	-	-	< 10
TPHCWG - Aromatic >EC35 - EC44 EH_CU_1D_AR	mg/kg	8.4	NONE	< 8.4	-	-	-	< 8.4
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	-	-	-	< 10
TPHCWG - Aromatic >EC5 - EC44 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	-	-	-	< 10

#### VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	-	-	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	-	-	-	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	-	-	-	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	< 5.0
p & m-Xylene	µg/kg	5	MCERTS	< 5.0	-	-	-	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	-	-	-	< 5.0



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number	297274			297275			297276			297277			297278		
Sample Reference	WS13A			WS13A			WS15			WS16			WS18		
Sample Number	None Supplied			None Supplied			None Supplied			None Supplied			None Supplied		
Depth (m)	1.20			2.20			2.50			2.80			0.10		
Date Sampled	Deviating			Deviating			Deviating			Deviating			Deviating		
Time Taken	None Supplied			None Supplied			None Supplied			None Supplied			None Supplied		
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status												

## Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-	< 10
Alachlor	µg/kg	10	NONE	-	-	-	-	-	< 10
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-	< 10
Omethoate	µg/kg	10	NONE	-	-	-	-	-	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-	< 10
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-	< 10
Demeton-O	µg/kg	10	NONE	-	-	-	-	-	< 10
Demeton-S	µg/kg	10	NONE	-	-	-	-	-	< 10
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-	< 10
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-	< 10
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-	< 10
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-	< 10
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-	< 10
Etrifos	µg/kg	10	NONE	-	-	-	-	-	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-	< 10
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-	< 10
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-	< 10
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-	< 10
Propetamphos	µg/kg	10	NONE	-	-	-	-	-	< 10
Tecnazene	µg/kg	10	NONE	-	-	-	-	-	< 10
Triadimefon	µg/kg	10	NONE	-	-	-	-	-	< 10
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-	< 10
Aldrin	µg/kg	10	NONE	-	-	-	-	-	< 10
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-	< 10
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-	< 10
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-	< 10
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-	< 10
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-	< 10
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-	< 10
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-	< 10
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-	< 10
Dieldrin	µg/kg	10	NONE	-	-	-	-	-	< 10
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-	< 10
Endrin	µg/kg	10	NONE	-	-	-	-	-	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-	< 10
Fenthion	µg/kg	10	NONE	-	-	-	-	-	< 10
Isodrin	µg/kg	10	NONE	-	-	-	-	-	< 10
Methacrifos	µg/kg	10	NONE	-	-	-	-	-	< 10
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-	< 10
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-	< 10
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-	< 10



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297274	297275	297276	297277	297278
Sample Reference				WS13A	WS13A	WS15	WS16	WS18
Sample Number				None Supplied				
Depth (m)				1.20	2.20	2.50	2.80	0.10
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Parathion	µg/kg	10	NONE	-	-	-	-	< 10
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	< 10
Pendimethalin	µg/kg	10	NONE	-	-	-	-	< 10
Phorate	µg/kg	10	NONE	-	-	-	-	< 10
Phosalone	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	< 10
Propyzamide	µg/kg	10	NONE	-	-	-	-	< 10
Triazophos	µg/kg	10	NONE	-	-	-	-	< 10
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	< 10
Dichlorvos	µg/kg	10	NONE	-	-	-	-	< 10
Dimethoate	µg/kg	10	NONE	-	-	-	-	< 10
Diazinon	µg/kg	10	NONE	-	-	-	-	< 10
Ethion	µg/kg	10	NONE	-	-	-	-	< 10
Fenitrothion	µg/kg	10	NONE	-	-	-	-	< 10
Malathion	µg/kg	10	NONE	-	-	-	-	< 10
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	< 10
Trifluralin	µg/kg	10	NONE	-	-	-	-	< 10
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 24-038319  
 Project / Site name: Sayers Common  
 Your Order No: PO-7677

Lab Sample Number				297279	297280	297281	297282	297283
Sample Reference				WS18	WS18	WS21	WS21	WS22
Sample Number				None Supplied				
Depth (m)				0.50	1.70	0.20	0.80	0.10
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	18	15	11	11	7.4
Total mass of sample received	kg	0.1	NONE	1.4	1.3	1.4	1.5	1.2

#### Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN	-	MJN	MJN	SCA

#### General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.2	8.2	6.7	7.3	7.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	170	170	470	210	420
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	-	0.017	-	-	-
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	26	16	27	13	26
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.00793	-	-	-
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	12.8	7.93	13.3	6.6	12.8
Sulphide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	2.7	-	7.6	5.8	7.1
Elemental Sulphur	mg/kg	5	MCERTS	7.3	-	6.8	< 5.0	7
Total Sulphur	mg/kg	50	MCERTS	-	69	-	-	-
Total Sulphur	%	0.005	MCERTS	-	0.007	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.3	-	1.5	0.2	1.6

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
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#### Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-	0.07	< 0.05	0.09
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	0.1	< 0.05	0.13
Pyrene	mg/kg	0.05	MCERTS	< 0.05	-	0.11	< 0.05	0.13
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	0.06	< 0.05	0.07
Chrysene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	0.07
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	-	< 0.05	< 0.05	0.11
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	-	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05

#### Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	-	< 0.80	< 0.80	< 0.80
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Analytical Report Number: 24-038319  
 Project / Site name: Sayers Common  
 Your Order No: PO-7677

Lab Sample Number				297279	297280	297281	297282	297283
Sample Reference				WS18	WS18	WS21	WS21	WS22
Sample Number				None Supplied				
Depth (m)				0.50	1.70	0.20	0.80	0.10
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

**Heavy Metals / Metalloids**

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	-	10	3.4	11
Barium (aqua regia extractable)	mg/kg	1	MCERTS	53	-	74	60	72
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.1	-	0.82	1.4	0.74
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	-	0.6	1.1	1.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	0.5	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	42	-	23	34	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	30	-	16	19	18
Lead (aqua regia extractable)	mg/kg	1	MCERTS	16	-	55	42	41
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	23	-	14	14	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	1.5	1.6	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	79	-	38	61	41
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	56	-	78	87	59

**Petroleum Hydrocarbons**

TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	< 2.0	-	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	-	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	-	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC35 - EC44 EH_CU_1D_AL	mg/kg	8.4	NONE	< 8.4	-	< 8.4	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	-	< 10	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	-	< 10	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	-	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	-	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	-	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	-	< 10	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 EH_CU_1D_AR	mg/kg	8.4	NONE	< 8.4	-	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	-	< 10	< 10	< 10
TPHCWG - Aromatic >EC5 - EC44 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	-	< 10	< 10	< 10

**VOCs**

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0	< 5.0



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number	297279				297280	297281	297282	297283
Sample Reference	WS18				WS18	WS21	WS21	WS22
Sample Number	None Supplied				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.50				1.70	0.20	0.80	0.10
Date Sampled	Deviating				Deviating	Deviating	Deviating	Deviating
Time Taken	None Supplied				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

## Pesticides

Pesticide Name	Units	Test Limit of detection	Test Accreditation Status	297279	297280	297281	297282	297283
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrinfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297279	297280	297281	297282	297283
Sample Reference				WS18	WS18	WS21	WS21	WS22
Sample Number				None Supplied				
Depth (m)				0.50	1.70	0.20	0.80	0.10
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297284	297285	297286	297287	297288
Sample Reference				WS22	WS23	WS26	WS26	WS29
Sample Number				None Supplied				
Depth (m)				0.50	2.00	0.10	1.50	0.80
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	10	12	6.9	12	11
Total mass of sample received	kg	0.1	NONE	1.4	1.2	1.1	1.3	0.9

**Asbestos**

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	SCA	-	-	-	-

**General Inorganics**

pH (L099)	pH Units	N/A	MCERTS	7.3	8.7	-	8	7.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	160	< 50	-	120	120
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	-	< 0.005	-	0.012	0.012
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	24	11	-	55	31
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.00556	-	0.0275	0.0156
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	11.8	5.56	-	27.5	15.6
Sulphide	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	2.6	-	-	-	-
Elemental Sulphur	mg/kg	5	MCERTS	6.9	-	-	-	-
Total Sulphur	mg/kg	50	MCERTS	-	< 50	-	75	< 50
Total Sulphur	%	0.005	MCERTS	-	< 0.005	-	0.008	< 0.005
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.5	-	-	-	-

**Total Phenols**

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	-	-	-
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**Speciated PAHs**

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	0.08	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	0.06	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-

**Total PAH**

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	-	-	-	-
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Analytical Report Number: 24-038319  
 Project / Site name: Sayers Common  
 Your Order No: PO-7677

Lab Sample Number				297284	297285	297286	297287	297288
Sample Reference				WS22	WS23	WS26	WS26	WS29
Sample Number				None Supplied				
Depth (m)				0.50	2.00	0.10	1.50	0.80
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

#### Heavy Metals / Metalloids

Element	Units	Test Limit of detection	Test Accreditation Status	297284	297285	297286	297287	297288
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	52	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.95	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	1	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	37	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	28	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	17	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	19	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	61	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	60	-	-	-	-

#### Petroleum Hydrocarbons

Parameter	Units	Test Limit of detection	Test Accreditation Status	297284	297285	297286	297287	297288
TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPHCWG - Aliphatic >EC35 - EC44 EH_CU_1D_AL	mg/kg	8.4	NONE	< 8.4	-	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	-	-	-	-
TPHCWG - Aliphatic >EC5 - EC44 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	-	-	-	-

Parameter	Units	Test Limit of detection	Test Accreditation Status	297284	297285	297286	297287	297288
TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	-	-	-	-
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	-	-	-	-
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	-	-	-	-
TPHCWG - Aromatic >EC35 - EC44 EH_CU_1D_AR	mg/kg	8.4	NONE	< 8.4	-	-	-	-
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	-	-	-	-
TPHCWG - Aromatic >EC5 - EC44 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	-	-	-	-

#### VOCs

Parameter	Units	Test Limit of detection	Test Accreditation Status	297284	297285	297286	297287	297288
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p & m-Xylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number	297284			297285			297286			297287			297288		
Sample Reference	WS22			WS23			WS26			WS26			WS29		
Sample Number	None Supplied			None Supplied			None Supplied			None Supplied			None Supplied		
Depth (m)	0.50			2.00			0.10			1.50			0.80		
Date Sampled	Deviating			Deviating			Deviating			Deviating			Deviating		
Time Taken	None Supplied			None Supplied			None Supplied			None Supplied			None Supplied		
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status												

## Pesticides

Pesticide	Units	Test Limit of detection	Test Accreditation Status	297284	297285	297286	297287	297288
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	< 10	-	-
Alachlor	µg/kg	10	NONE	-	-	< 10	-	-
Bifenthrin	µg/kg	10	NONE	-	-	< 10	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	< 10	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	< 10	-	-
Omethoate	µg/kg	10	NONE	-	-	< 10	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	< 10	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	< 10	-	-
Demeton-O	µg/kg	10	NONE	-	-	< 10	-	-
Demeton-S	µg/kg	10	NONE	-	-	< 10	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	< 10	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	< 10	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	< 10	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	< 10	-	-
Etrinfos	µg/kg	10	NONE	-	-	< 10	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	< 10	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	-
Propetamphos	µg/kg	10	NONE	-	-	< 10	-	-
Tecnazene	µg/kg	10	NONE	-	-	< 10	-	-
Triadimefon	µg/kg	10	NONE	-	-	< 10	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	< 10	-	-
Aldrin	µg/kg	10	NONE	-	-	< 10	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Beta-BHC	µg/kg	10	NONE	-	-	< 10	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	< 10	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	< 10	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	< 10	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	< 10	-	-
Carbophenothion	µg/kg	10	NONE	-	-	< 10	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Delta-BHC	µg/kg	10	NONE	-	-	< 10	-	-
Dieldrin	µg/kg	10	NONE	-	-	< 10	-	-
Deltamethrin	µg/kg	10	NONE	-	-	< 10	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	< 10	-	-
Endrin	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	< 10	-	-
Fenthion	µg/kg	10	NONE	-	-	< 10	-	-
Isodrin	µg/kg	10	NONE	-	-	< 10	-	-
Methacrifos	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	-



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Environmental Science

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297284	297285	297286	297287	297288
Sample Reference				WS22	WS23	WS26	WS26	WS29
Sample Number				None Supplied				
Depth (m)				0.50	2.00	0.10	1.50	0.80
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Parathion	µg/kg	10	NONE	-	-	< 10	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Pendimethalin	µg/kg	10	NONE	-	-	< 10	-	-
Phorate	µg/kg	10	NONE	-	-	< 10	-	-
Phosalone	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	< 10	-	-
Propyzamide	µg/kg	10	NONE	-	-	< 10	-	-
Triazophos	µg/kg	10	NONE	-	-	< 10	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	< 10	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Dichlorvos	µg/kg	10	NONE	-	-	< 10	-	-
Dimethoate	µg/kg	10	NONE	-	-	< 10	-	-
Diazinon	µg/kg	10	NONE	-	-	< 10	-	-
Ethion	µg/kg	10	NONE	-	-	< 10	-	-
Fenitrothion	µg/kg	10	NONE	-	-	< 10	-	-
Malathion	µg/kg	10	NONE	-	-	< 10	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Trifluralin	µg/kg	10	NONE	-	-	< 10	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297289	297290
Sample Reference				WS30	WS30
Sample Number				None Supplied	None Supplied
Depth (m)				0.10	0.60
Date Sampled				Deviating	Deviating
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	10
Total mass of sample received	kg	0.1	NONE	1.2	1.4

#### Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA	SCA

#### General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.6	7.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	360	300
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	-	-
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	25	30
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	12.3	15.2
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	6.9	2.3
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	7.3
Total Sulphur	mg/kg	50	MCERTS	-	-
Total Sulphur	%	0.005	MCERTS	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1	0.7

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0
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#### Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.34	0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.94	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.97	0.06
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.49	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.54	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.71	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.25	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.55	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.32	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.34	< 0.05

#### Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	5.44	< 0.80
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Analytical Report Number: 24-038319  
 Project / Site name: Sayers Common  
 Your Order No: PO-7677

<b>Lab Sample Number</b>				297289	297290
<b>Sample Reference</b>				WS30	WS30
<b>Sample Number</b>				None Supplied	None Supplied
<b>Depth (m)</b>				0.10	0.60
<b>Date Sampled</b>				Deviating	Deviating
<b>Time Taken</b>				None Supplied	None Supplied
<b>Analytical Parameter (Soil Analysis)</b>	<b>Units</b>	<b>Test Limit of detection</b>	<b>Test Accreditation Status</b>		

#### Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	21	14
Barium (aqua regia extractable)	mg/kg	1	MCERTS	79	67
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.94	0.71
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	24	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	17	7.8
Lead (aqua regia extractable)	mg/kg	1	MCERTS	51	22
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	13	9.8
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.8
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	36	33
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	62	44

#### Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0
TPHCWG - Aliphatic >EC35 - EC44 EH_CU_1D_AL	mg/kg	8.4	NONE	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	12	< 10
TPHCWG - Aromatic >EC35 - EC44 EH_CU_1D_AR	mg/kg	8.4	NONE	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	12	< 10
TPHCWG - Aromatic >EC5 - EC44 EH_CU+HS_1D_AR	mg/kg	10	NONE	12	< 10

#### VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
p & m-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

<b>Lab Sample Number</b>	297289	297290			
<b>Sample Reference</b>	WS30	WS30			
<b>Sample Number</b>	None Supplied	None Supplied			
<b>Depth (m)</b>	0.10	0.60			
<b>Date Sampled</b>	Deviating	Deviating			
<b>Time Taken</b>	None Supplied	None Supplied			
<b>Analytical Parameter (Soil Analysis)</b>	<b>Units</b>	<b>Test Limit of detection</b>	<b>Test Accreditation Status</b>		

**Pesticides**

Pesticide Name	Units	Test Limit of detection	Test Accreditation Status	297289	297290
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-
Alachlor	µg/kg	10	NONE	-	-
Bifenthrin	µg/kg	10	NONE	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-
Omethoate	µg/kg	10	NONE	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-
Demeton-O	µg/kg	10	NONE	-	-
Demeton-S	µg/kg	10	NONE	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-
Endrin Ketone	µg/kg	10	NONE	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-
Etrinfos	µg/kg	10	NONE	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-
Propetamphos	µg/kg	10	NONE	-	-
Tecnazene	µg/kg	10	NONE	-	-
Triadimefon	µg/kg	10	NONE	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-
Aldrin	µg/kg	10	NONE	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-
Beta-BHC	µg/kg	10	NONE	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-
Chlorothalonil	µg/kg	10	NONE	-	-
Carbophenothion	µg/kg	10	NONE	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-
Delta-BHC	µg/kg	10	NONE	-	-
Dieldrin	µg/kg	10	NONE	-	-
Deltamethrin	µg/kg	10	NONE	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-
Endrin	µg/kg	10	NONE	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-
Fenthion	µg/kg	10	NONE	-	-
Isodrin	µg/kg	10	NONE	-	-
Methacrifos	µg/kg	10	NONE	-	-
O,p'-DDD	µg/kg	10	NONE	-	-
O,p'-DDE	µg/kg	10	NONE	-	-
O,p'-DDT	µg/kg	10	NONE	-	-

Analytical Report Number: 24-038319

Project / Site name: Sayers Common

Your Order No: PO-7677

Lab Sample Number				297289	297290
Sample Reference				WS30	WS30
Sample Number				None Supplied	None Supplied
Depth (m)				0.10	0.60
Date Sampled				Deviating	Deviating
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Parathion	µg/kg	10	NONE	-	-
Parathion-methyl	µg/kg	10	NONE	-	-
Pendimethalin	µg/kg	10	NONE	-	-
Phorate	µg/kg	10	NONE	-	-
Phosalone	µg/kg	10	NONE	-	-
P,p'-DDD	µg/kg	10	NONE	-	-
P,p'-DDE	µg/kg	10	NONE	-	-
P,p'-DDT	µg/kg	10	NONE	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-
Propyzamide	µg/kg	10	NONE	-	-
Triazophos	µg/kg	10	NONE	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-
Dichlorvos	µg/kg	10	NONE	-	-
Dimethoate	µg/kg	10	NONE	-	-
Diazinon	µg/kg	10	NONE	-	-
Ethion	µg/kg	10	NONE	-	-
Fenitrothion	µg/kg	10	NONE	-	-
Malathion	µg/kg	10	NONE	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-
Trifluralin	µg/kg	10	NONE	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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Environmental Science

**Analytical Report Number : 24-038319****Project / Site name: Sayers Common**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
297259	WS04	None Supplied	0.1	Brown loam and clay with gravel and vegetation
297260	WS05	None Supplied	0.1	Brown loam and clay with gravel and vegetation
297261	WS05	None Supplied	0.5	Brown clay and loam with gravel and vegetation
297262	WS06	None Supplied	4	Brown clay
297263	WS07	None Supplied	2	Brown clay and loam with gravel and vegetation
297264	WS08	None Supplied	0.1	Brown loam and sand with gravel and vegetation
297265	WS08	None Supplied	0.6	Brown loam and clay with gravel and vegetation
297266	WS10	None Supplied	1	Brown clay
297267	WS11	None Supplied	0.6	Brown clay and loam with vegetation and stones
297268	WS11	None Supplied	1.2	Brown clay
297269	WS12	None Supplied	0.1	Brown loam and clay with gravel and vegetation
297270	WS12	None Supplied	0.6	Brown clay and loam with gravel and vegetation
297271	WS12	None Supplied	1.5	Brown clay
297272	WS13	None Supplied	0.5	Brown loam and sand with gravel and vegetation
297273	WS13A	None Supplied	0.6	Brown clay and sand with gravel and stones
297274	WS13A	None Supplied	1.2	Brown clay
297275	WS13A	None Supplied	2.2	Brown clay
297276	WS15	None Supplied	2.5	Brown clay
297277	WS16	None Supplied	2.8	Brown clay
297278	WS18	None Supplied	0.1	Brown clay and loam with gravel and vegetation
297279	WS18	None Supplied	0.5	Brown clay
297280	WS18	None Supplied	1.7	Brown clay
297281	WS21	None Supplied	0.2	Brown loam and clay with gravel and vegetation
297282	WS21	None Supplied	0.8	Brown clay and loam with gravel and vegetation
297283	WS22	None Supplied	0.1	Brown loam and sand with gravel and vegetation
297284	WS22	None Supplied	0.5	Brown clay and loam with gravel and vegetation
297285	WS23	None Supplied	2	Brown clay and sand
297286	WS26	None Supplied	0.1	Brown loam and sand with gravel and vegetation
297287	WS26	None Supplied	1.5	Brown clay and sand
297288	WS29	None Supplied	0.8	Brown clay and sand
297289	WS30	None Supplied	0.1	Brown loam and sand with gravel and vegetation
297290	WS30	None Supplied	0.6	Brown loam and clay with gravel and vegetation



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Environmental Science

Analytical Report Number : 24-038319

Project / Site name: Sayers Common

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method based on Secondsite Property Holdings Guidance for Assessing and Managing Potential	L021B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO <sub>4</sub> in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Pesticides by GC-MS/MS	Determination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088	D/W	MCERTS

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Project / Site name: Sayers Common

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080	W	MCERTS
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution



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## Sample Deviation Report



Environmental Science

Analytical Report Number : 24-038319

Project / Site name: Sayers Common

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS04	N/A	S	297259	a	Asbestos identification in Soil	A001B	a
WS04	N/A	S	297259	a	Asbestos types if id possitive	N/A	a
WS04	N/A	S	297259	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS04	N/A	S	297259	a	Boron, water soluble, in soil	L038B	a
WS04	N/A	S	297259	a	Chloride, water soluble, in soil	L082B	a
WS04	N/A	S	297259	a	Elemental sulphur in soil	L021B	a
WS04	N/A	S	297259	a	Hexavalent chromium in soil	L080	a
WS04	N/A	S	297259	a	Metals in soil by ICP-OES	L038B	a
WS04	N/A	S	297259	a	Monohydric phenols in soil	L080	a
WS04	N/A	S	297259	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS04	N/A	S	297259	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS04	N/A	S	297259	a	Sulphide in soil	L010	a
WS04	N/A	S	297259	a	Total cyanide in soil	L080	a
WS04	N/A	S	297259	a	Total organic carbon (Automated) in soil	L009B	a
WS04	N/A	S	297259	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS04	N/A	S	297259	a	Total sulphate (as SO4 in soil)	L038B	a
WS04	N/A	S	297259	a	pH in soil (automated)	L099	a
WS05	N/A	S	297260	a	Asbestos identification in Soil	A001B	a
WS05	N/A	S	297260	a	Asbestos types if id possitive	N/A	a
WS05	N/A	S	297260	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS05	N/A	S	297260	a	Boron, water soluble, in soil	L038B	a
WS05	N/A	S	297260	a	Chloride, water soluble, in soil	L082B	a
WS05	N/A	S	297260	a	Elemental sulphur in soil	L021B	a
WS05	N/A	S	297260	a	Hexavalent chromium in soil	L080	a
WS05	N/A	S	297260	a	Metals in soil by ICP-OES	L038B	a
WS05	N/A	S	297260	a	Monohydric phenols in soil	L080	a
WS05	N/A	S	297260	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS05	N/A	S	297260	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS05	N/A	S	297260	a	Sulphide in soil	L010	a
WS05	N/A	S	297260	a	Total cyanide in soil	L080	a
WS05	N/A	S	297260	a	Total organic carbon (Automated) in soil	L009B	a
WS05	N/A	S	297260	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS05	N/A	S	297260	a	Total sulphate (as SO4 in soil)	L038B	a
WS05	N/A	S	297260	a	pH in soil (automated)	L099	a
WS05	N/A	S	297261	a	Asbestos identification in Soil	A001B	a
WS05	N/A	S	297261	a	Asbestos types if id possitive	N/A	a
WS05	N/A	S	297261	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS05	N/A	S	297261	a	Boron, water soluble, in soil	L038B	a
WS05	N/A	S	297261	a	Chloride, water soluble, in soil	L082B	a
WS05	N/A	S	297261	a	Elemental sulphur in soil	L021B	a
WS05	N/A	S	297261	a	Hexavalent chromium in soil	L080	a
WS05	N/A	S	297261	a	Metals in soil by ICP-OES	L038B	a
WS05	N/A	S	297261	a	Monohydric phenols in soil	L080	a
WS05	N/A	S	297261	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS05	N/A	S	297261	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS05	N/A	S	297261	a	Sulphide in soil	L010	a
WS05	N/A	S	297261	a	Total cyanide in soil	L080	a
WS05	N/A	S	297261	a	Total organic carbon (Automated) in soil	L009B	a
WS05	N/A	S	297261	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS05	N/A	S	297261	a	Total sulphate (as SO4 in soil)	L038B	a
WS05	N/A	S	297261	a	pH in soil (automated)	L099	a
WS06	N/A	S	297262	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS06	N/A	S	297262	a	Total Sulphur in soil	L038B	a
WS06	N/A	S	297262	a	Total sulphate (as SO4 in soil)	L038B	a
WS06	N/A	S	297262	a	pH in soil (automated)	L099	a
WS07	N/A	S	297263	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS07	N/A	S	297263	a	Total Sulphur in soil	L038B	a
WS07	N/A	S	297263	a	Total sulphate (as SO4 in soil)	L038B	a



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## Sample Deviation Report



Environmental Science

Analytical Report Number : 24-038319

Project / Site name: Sayers Common

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS07	N/A	S	297263	a	pH in soil (automated)	L099	a
WS08	N/A	S	297264	a	Asbestos identification in Soil	A001B	a
WS08	N/A	S	297264	a	Asbestos types if id possitive	N/A	a
WS08	N/A	S	297264	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS08	N/A	S	297264	a	Boron, water soluble, in soil	L038B	a
WS08	N/A	S	297264	a	Chloride, water soluble, in soil	L082B	a
WS08	N/A	S	297264	a	Elemental sulphur in soil	L021B	a
WS08	N/A	S	297264	a	Hexavalent chromium in soil	L080	a
WS08	N/A	S	297264	a	Metals in soil by ICP-OES	L038B	a
WS08	N/A	S	297264	a	Monohydric phenols in soil	L080	a
WS08	N/A	S	297264	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS08	N/A	S	297264	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS08	N/A	S	297264	a	Sulphide in soil	L010	a
WS08	N/A	S	297264	a	Total cyanide in soil	L080	a
WS08	N/A	S	297264	a	Total organic carbon (Automated) in soil	L009B	a
WS08	N/A	S	297264	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS08	N/A	S	297264	a	Total sulphate (as SO4 in soil)	L038B	a
WS08	N/A	S	297264	a	pH in soil (automated)	L099	a
WS08	N/A	S	297265	a	Asbestos identification in Soil	A001B	a
WS08	N/A	S	297265	a	Asbestos types if id possitive	N/A	a
WS08	N/A	S	297265	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS08	N/A	S	297265	a	Boron, water soluble, in soil	L038B	a
WS08	N/A	S	297265	a	Chloride, water soluble, in soil	L082B	a
WS08	N/A	S	297265	a	Elemental sulphur in soil	L021B	a
WS08	N/A	S	297265	a	Hexavalent chromium in soil	L080	a
WS08	N/A	S	297265	a	Metals in soil by ICP-OES	L038B	a
WS08	N/A	S	297265	a	Monohydric phenols in soil	L080	a
WS08	N/A	S	297265	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS08	N/A	S	297265	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS08	N/A	S	297265	a	Sulphide in soil	L010	a
WS08	N/A	S	297265	a	Total cyanide in soil	L080	a
WS08	N/A	S	297265	a	Total organic carbon (Automated) in soil	L009B	a
WS08	N/A	S	297265	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS08	N/A	S	297265	a	Total sulphate (as SO4 in soil)	L038B	a
WS08	N/A	S	297265	a	pH in soil (automated)	L099	a
WS10	N/A	S	297266	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS10	N/A	S	297266	a	Total Sulphur in soil	L038B	a
WS10	N/A	S	297266	a	Total sulphate (as SO4 in soil)	L038B	a
WS10	N/A	S	297266	a	pH in soil (automated)	L099	a
WS11	N/A	S	297267	a	Asbestos identification in Soil	A001B	a
WS11	N/A	S	297267	a	Asbestos types if id possitive	N/A	a
WS11	N/A	S	297267	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS11	N/A	S	297267	a	Boron, water soluble, in soil	L038B	a
WS11	N/A	S	297267	a	Chloride, water soluble, in soil	L082B	a
WS11	N/A	S	297267	a	Elemental sulphur in soil	L021B	a
WS11	N/A	S	297267	a	Hexavalent chromium in soil	L080	a
WS11	N/A	S	297267	a	Metals in soil by ICP-OES	L038B	a
WS11	N/A	S	297267	a	Monohydric phenols in soil	L080	a
WS11	N/A	S	297267	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS11	N/A	S	297267	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS11	N/A	S	297267	a	Sulphide in soil	L010	a
WS11	N/A	S	297267	a	Total cyanide in soil	L080	a
WS11	N/A	S	297267	a	Total organic carbon (Automated) in soil	L009B	a
WS11	N/A	S	297267	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS11	N/A	S	297267	a	Total sulphate (as SO4 in soil)	L038B	a
WS11	N/A	S	297267	a	pH in soil (automated)	L099	a
WS11	N/A	S	297268	a	Asbestos identification in Soil	A001B	a
WS11	N/A	S	297268	a	Asbestos types if id possitive	N/A	a



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## Sample Deviation Report



Environmental Science

Analytical Report Number : 24-038319

Project / Site name: Sayers Common

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS11	N/A	S	297268	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS11	N/A	S	297268	a	Boron, water soluble, in soil	L038B	a
WS11	N/A	S	297268	a	Chloride, water soluble, in soil	L082B	a
WS11	N/A	S	297268	a	Elemental sulphur in soil	L021B	a
WS11	N/A	S	297268	a	Hexavalent chromium in soil	L080	a
WS11	N/A	S	297268	a	Metals in soil by ICP-OES	L038B	a
WS11	N/A	S	297268	a	Monohydric phenols in soil	L080	a
WS11	N/A	S	297268	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS11	N/A	S	297268	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS11	N/A	S	297268	a	Sulphide in soil	L010	a
WS11	N/A	S	297268	a	Total cyanide in soil	L080	a
WS11	N/A	S	297268	a	Total organic carbon (Automated) in soil	L009B	a
WS11	N/A	S	297268	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS11	N/A	S	297268	a	Total sulphate (as SO4 in soil)	L038B	a
WS11	N/A	S	297268	a	pH in soil (automated)	L099	a
WS12	N/A	S	297269	a	Asbestos identification in Soil	A001B	a
WS12	N/A	S	297269	a	Asbestos types if id possitive	N/A	a
WS12	N/A	S	297269	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS12	N/A	S	297269	a	Boron, water soluble, in soil	L038B	a
WS12	N/A	S	297269	a	Chloride, water soluble, in soil	L082B	a
WS12	N/A	S	297269	a	Elemental sulphur in soil	L021B	a
WS12	N/A	S	297269	a	Hexavalent chromium in soil	L080	a
WS12	N/A	S	297269	a	Metals in soil by ICP-OES	L038B	a
WS12	N/A	S	297269	a	Monohydric phenols in soil	L080	a
WS12	N/A	S	297269	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS12	N/A	S	297269	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS12	N/A	S	297269	a	Sulphide in soil	L010	a
WS12	N/A	S	297269	a	Total cyanide in soil	L080	a
WS12	N/A	S	297269	a	Total organic carbon (Automated) in soil	L009B	a
WS12	N/A	S	297269	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS12	N/A	S	297269	a	Total sulphate (as SO4 in soil)	L038B	a
WS12	N/A	S	297269	a	pH in soil (automated)	L099	a
WS12	N/A	S	297270	a	Asbestos identification in Soil	A001B	a
WS12	N/A	S	297270	a	Asbestos types if id possitive	N/A	a
WS12	N/A	S	297270	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS12	N/A	S	297270	a	Boron, water soluble, in soil	L038B	a
WS12	N/A	S	297270	a	Chloride, water soluble, in soil	L082B	a
WS12	N/A	S	297270	a	Elemental sulphur in soil	L021B	a
WS12	N/A	S	297270	a	Hexavalent chromium in soil	L080	a
WS12	N/A	S	297270	a	Metals in soil by ICP-OES	L038B	a
WS12	N/A	S	297270	a	Monohydric phenols in soil	L080	a
WS12	N/A	S	297270	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS12	N/A	S	297270	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS12	N/A	S	297270	a	Sulphide in soil	L010	a
WS12	N/A	S	297270	a	Total cyanide in soil	L080	a
WS12	N/A	S	297270	a	Total organic carbon (Automated) in soil	L009B	a
WS12	N/A	S	297270	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS12	N/A	S	297270	a	Total sulphate (as SO4 in soil)	L038B	a
WS12	N/A	S	297270	a	pH in soil (automated)	L099	a
WS12	N/A	S	297271	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS12	N/A	S	297271	a	Total Sulphur in soil	L038B	a
WS12	N/A	S	297271	a	Total sulphate (as SO4 in soil)	L038B	a
WS12	N/A	S	297271	a	pH in soil (automated)	L099	a
WS13	N/A	S	297272	a	Asbestos identification in Soil	A001B	a
WS13	N/A	S	297272	a	Asbestos types if id possitive	N/A	a
WS13	N/A	S	297272	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS13	N/A	S	297272	a	Boron, water soluble, in soil	L038B	a
WS13	N/A	S	297272	a	Chloride, water soluble, in soil	L082B	a



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## Sample Deviation Report



Environmental Science

Analytical Report Number : 24-038319

Project / Site name: Sayers Common

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS13	N/A	S	297272	a	Elemental sulphur in soil	L021B	a
WS13	N/A	S	297272	a	Hexavalent chromium in soil	L080	a
WS13	N/A	S	297272	a	Metals in soil by ICP-OES	L038B	a
WS13	N/A	S	297272	a	Monohydric phenols in soil	L080	a
WS13	N/A	S	297272	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS13	N/A	S	297272	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS13	N/A	S	297272	a	Sulphide in soil	L010	a
WS13	N/A	S	297272	a	Total Sulphur in soil	L038B	a
WS13	N/A	S	297272	a	Total cyanide in soil	L080	a
WS13	N/A	S	297272	a	Total organic carbon (Automated) in soil	L009B	a
WS13	N/A	S	297272	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS13	N/A	S	297272	a	Total sulphate (as SO4 in soil)	L038B	a
WS13	N/A	S	297272	a	pH in soil (automated)	L099	a
WS13A	N/A	S	297273	a	Asbestos identification in Soil	A001B	a
WS13A	N/A	S	297273	a	Asbestos types if id positive	N/A	a
WS13A	N/A	S	297273	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS13A	N/A	S	297273	a	Boron, water soluble, in soil	L038B	a
WS13A	N/A	S	297273	a	Chloride, water soluble, in soil	L082B	a
WS13A	N/A	S	297273	a	Elemental sulphur in soil	L021B	a
WS13A	N/A	S	297273	a	Hexavalent chromium in soil	L080	a
WS13A	N/A	S	297273	a	Metals in soil by ICP-OES	L038B	a
WS13A	N/A	S	297273	a	Monohydric phenols in soil	L080	a
WS13A	N/A	S	297273	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS13A	N/A	S	297273	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS13A	N/A	S	297273	a	Sulphide in soil	L010	a
WS13A	N/A	S	297273	a	Total cyanide in soil	L080	a
WS13A	N/A	S	297273	a	Total organic carbon (Automated) in soil	L009B	a
WS13A	N/A	S	297273	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS13A	N/A	S	297273	a	Total sulphate (as SO4 in soil)	L038B	a
WS13A	N/A	S	297273	a	pH in soil (automated)	L099	a
WS13A	N/A	S	297274	a	Asbestos identification in Soil	A001B	a
WS13A	N/A	S	297274	a	Asbestos types if id positive	N/A	a
WS13A	N/A	S	297274	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS13A	N/A	S	297274	a	Boron, water soluble, in soil	L038B	a
WS13A	N/A	S	297274	a	Chloride, water soluble, in soil	L082B	a
WS13A	N/A	S	297274	a	Elemental sulphur in soil	L021B	a
WS13A	N/A	S	297274	a	Hexavalent chromium in soil	L080	a
WS13A	N/A	S	297274	a	Metals in soil by ICP-OES	L038B	a
WS13A	N/A	S	297274	a	Monohydric phenols in soil	L080	a
WS13A	N/A	S	297274	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS13A	N/A	S	297274	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS13A	N/A	S	297274	a	Sulphide in soil	L010	a
WS13A	N/A	S	297274	a	Total cyanide in soil	L080	a
WS13A	N/A	S	297274	a	Total organic carbon (Automated) in soil	L009B	a
WS13A	N/A	S	297274	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS13A	N/A	S	297274	a	Total sulphate (as SO4 in soil)	L038B	a
WS13A	N/A	S	297274	a	pH in soil (automated)	L099	a
WS13A	N/A	S	297275	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS13A	N/A	S	297275	a	Total Sulphur in soil	L038B	a
WS13A	N/A	S	297275	a	Total sulphate (as SO4 in soil)	L038B	a
WS13A	N/A	S	297275	a	pH in soil (automated)	L099	a
WS15	N/A	S	297276	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS15	N/A	S	297276	a	Total Sulphur in soil	L038B	a
WS15	N/A	S	297276	a	Total sulphate (as SO4 in soil)	L038B	a
WS15	N/A	S	297276	a	pH in soil (automated)	L099	a
WS16	N/A	S	297277	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS16	N/A	S	297277	a	Total Sulphur in soil	L038B	a
WS16	N/A	S	297277	a	Total sulphate (as SO4 in soil)	L038B	a



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## Sample Deviation Report



Environmental Science

Analytical Report Number : 24-038319

Project / Site name: Sayers Common

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS16	N/A	S	297277	a	pH in soil (automated)	L099	a
WS18	N/A	S	297278	a	Asbestos identification in Soil	A001B	a
WS18	N/A	S	297278	a	Asbestos types if id possitive	N/A	a
WS18	N/A	S	297278	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS18	N/A	S	297278	a	Boron, water soluble, in soil	L038B	a
WS18	N/A	S	297278	a	Chloride, water soluble, in soil	L082B	a
WS18	N/A	S	297278	a	Elemental sulphur in soil	L021B	a
WS18	N/A	S	297278	a	Hexavalent chromium in soil	L080	a
WS18	N/A	S	297278	a	Metals in soil by ICP-OES	L038B	a
WS18	N/A	S	297278	a	Monohydric phenols in soil	L080	a
WS18	N/A	S	297278	a	Pesticides by GC-MS/MS	L055B	a
WS18	N/A	S	297278	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS18	N/A	S	297278	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS18	N/A	S	297278	a	Sulphide in soil	L010	a
WS18	N/A	S	297278	a	Total cyanide in soil	L080	a
WS18	N/A	S	297278	a	Total organic carbon (Automated) in soil	L009B	a
WS18	N/A	S	297278	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS18	N/A	S	297278	a	Total sulphate (as SO4 in soil)	L038B	a
WS18	N/A	S	297278	a	pH in soil (automated)	L099	a
WS18	N/A	S	297279	a	Asbestos identification in Soil	A001B	a
WS18	N/A	S	297279	a	Asbestos types if id possitive	N/A	a
WS18	N/A	S	297279	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS18	N/A	S	297279	a	Boron, water soluble, in soil	L038B	a
WS18	N/A	S	297279	a	Chloride, water soluble, in soil	L082B	a
WS18	N/A	S	297279	a	Elemental sulphur in soil	L021B	a
WS18	N/A	S	297279	a	Hexavalent chromium in soil	L080	a
WS18	N/A	S	297279	a	Metals in soil by ICP-OES	L038B	a
WS18	N/A	S	297279	a	Monohydric phenols in soil	L080	a
WS18	N/A	S	297279	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS18	N/A	S	297279	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS18	N/A	S	297279	a	Sulphide in soil	L010	a
WS18	N/A	S	297279	a	Total cyanide in soil	L080	a
WS18	N/A	S	297279	a	Total organic carbon (Automated) in soil	L009B	a
WS18	N/A	S	297279	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS18	N/A	S	297279	a	Total sulphate (as SO4 in soil)	L038B	a
WS18	N/A	S	297279	a	pH in soil (automated)	L099	a
WS18	N/A	S	297280	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS18	N/A	S	297280	a	Total Sulphur in soil	L038B	a
WS18	N/A	S	297280	a	Total sulphate (as SO4 in soil)	L038B	a
WS18	N/A	S	297280	a	pH in soil (automated)	L099	a
WS21	N/A	S	297281	a	Asbestos identification in Soil	A001B	a
WS21	N/A	S	297281	a	Asbestos types if id possitive	N/A	a
WS21	N/A	S	297281	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS21	N/A	S	297281	a	Boron, water soluble, in soil	L038B	a
WS21	N/A	S	297281	a	Chloride, water soluble, in soil	L082B	a
WS21	N/A	S	297281	a	Elemental sulphur in soil	L021B	a
WS21	N/A	S	297281	a	Hexavalent chromium in soil	L080	a
WS21	N/A	S	297281	a	Metals in soil by ICP-OES	L038B	a
WS21	N/A	S	297281	a	Monohydric phenols in soil	L080	a
WS21	N/A	S	297281	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS21	N/A	S	297281	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS21	N/A	S	297281	a	Sulphide in soil	L010	a
WS21	N/A	S	297281	a	Total cyanide in soil	L080	a
WS21	N/A	S	297281	a	Total organic carbon (Automated) in soil	L009B	a
WS21	N/A	S	297281	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS21	N/A	S	297281	a	Total sulphate (as SO4 in soil)	L038B	a
WS21	N/A	S	297281	a	pH in soil (automated)	L099	a
WS21	N/A	S	297282	a	Asbestos identification in Soil	A001B	a



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## Sample Deviation Report



Environmental Science

Analytical Report Number : 24-038319

Project / Site name: Sayers Common

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS21	N/A	S	297282	a	Asbestos types if id possible	N/A	a
WS21	N/A	S	297282	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS21	N/A	S	297282	a	Boron, water soluble, in soil	L038B	a
WS21	N/A	S	297282	a	Chloride, water soluble, in soil	L082B	a
WS21	N/A	S	297282	a	Elemental sulphur in soil	L021B	a
WS21	N/A	S	297282	a	Hexavalent chromium in soil	L080	a
WS21	N/A	S	297282	a	Metals in soil by ICP-OES	L038B	a
WS21	N/A	S	297282	a	Monohydric phenols in soil	L080	a
WS21	N/A	S	297282	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS21	N/A	S	297282	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS21	N/A	S	297282	a	Sulphide in soil	L010	a
WS21	N/A	S	297282	a	Total cyanide in soil	L080	a
WS21	N/A	S	297282	a	Total organic carbon (Automated) in soil	L009B	a
WS21	N/A	S	297282	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS21	N/A	S	297282	a	Total sulphate (as SO4 in soil)	L038B	a
WS21	N/A	S	297282	a	pH in soil (automated)	L099	a
WS22	N/A	S	297283	a	Asbestos identification in Soil	A001B	a
WS22	N/A	S	297283	a	Asbestos types if id possible	N/A	a
WS22	N/A	S	297283	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS22	N/A	S	297283	a	Boron, water soluble, in soil	L038B	a
WS22	N/A	S	297283	a	Chloride, water soluble, in soil	L082B	a
WS22	N/A	S	297283	a	Elemental sulphur in soil	L021B	a
WS22	N/A	S	297283	a	Hexavalent chromium in soil	L080	a
WS22	N/A	S	297283	a	Metals in soil by ICP-OES	L038B	a
WS22	N/A	S	297283	a	Monohydric phenols in soil	L080	a
WS22	N/A	S	297283	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS22	N/A	S	297283	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS22	N/A	S	297283	a	Sulphide in soil	L010	a
WS22	N/A	S	297283	a	Total cyanide in soil	L080	a
WS22	N/A	S	297283	a	Total organic carbon (Automated) in soil	L009B	a
WS22	N/A	S	297283	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS22	N/A	S	297283	a	Total sulphate (as SO4 in soil)	L038B	a
WS22	N/A	S	297283	a	pH in soil (automated)	L099	a
WS22	N/A	S	297284	a	Asbestos identification in Soil	A001B	a
WS22	N/A	S	297284	a	Asbestos types if id possible	N/A	a
WS22	N/A	S	297284	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS22	N/A	S	297284	a	Boron, water soluble, in soil	L038B	a
WS22	N/A	S	297284	a	Chloride, water soluble, in soil	L082B	a
WS22	N/A	S	297284	a	Elemental sulphur in soil	L021B	a
WS22	N/A	S	297284	a	Hexavalent chromium in soil	L080	a
WS22	N/A	S	297284	a	Metals in soil by ICP-OES	L038B	a
WS22	N/A	S	297284	a	Monohydric phenols in soil	L080	a
WS22	N/A	S	297284	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS22	N/A	S	297284	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS22	N/A	S	297284	a	Sulphide in soil	L010	a
WS22	N/A	S	297284	a	Total cyanide in soil	L080	a
WS22	N/A	S	297284	a	Total organic carbon (Automated) in soil	L009B	a
WS22	N/A	S	297284	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS22	N/A	S	297284	a	Total sulphate (as SO4 in soil)	L038B	a
WS22	N/A	S	297284	a	pH in soil (automated)	L099	a
WS23	N/A	S	297285	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS23	N/A	S	297285	a	Total Sulphur in soil	L038B	a
WS23	N/A	S	297285	a	Total sulphate (as SO4 in soil)	L038B	a
WS23	N/A	S	297285	a	pH in soil (automated)	L099	a
WS26	N/A	S	297286	a	Pesticides by GC-MS/MS	L055B	a
WS26	N/A	S	297287	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS26	N/A	S	297287	a	Total Sulphur in soil	L038B	a
WS26	N/A	S	297287	a	Total sulphate (as SO4 in soil)	L038B	a



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## Sample Deviation Report



Environmental Science

Analytical Report Number : 24-038319

Project / Site name: Sayers Common

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS26	N/A	S	297287	a	pH in soil (automated)	L099	a
WS29	N/A	S	297288	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS29	N/A	S	297288	a	Total Sulphur in soil	L038B	a
WS29	N/A	S	297288	a	Total sulphate (as SO4 in soil)	L038B	a
WS29	N/A	S	297288	a	pH in soil (automated)	L099	a
WS30	N/A	S	297289	a	Asbestos identification in Soil	A001B	a
WS30	N/A	S	297289	a	Asbestos types if id possible	N/A	a
WS30	N/A	S	297289	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS30	N/A	S	297289	a	Boron, water soluble, in soil	L038B	a
WS30	N/A	S	297289	a	Chloride, water soluble, in soil	L082B	a
WS30	N/A	S	297289	a	Elemental sulphur in soil	L021B	a
WS30	N/A	S	297289	a	Hexavalent chromium in soil	L080	a
WS30	N/A	S	297289	a	Metals in soil by ICP-OES	L038B	a
WS30	N/A	S	297289	a	Monohydric phenols in soil	L080	a
WS30	N/A	S	297289	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS30	N/A	S	297289	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS30	N/A	S	297289	a	Sulphide in soil	L010	a
WS30	N/A	S	297289	a	Total cyanide in soil	L080	a
WS30	N/A	S	297289	a	Total organic carbon (Automated) in soil	L009B	a
WS30	N/A	S	297289	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS30	N/A	S	297289	a	Total sulphate (as SO4 in soil)	L038B	a
WS30	N/A	S	297289	a	pH in soil (automated)	L099	a
WS30	N/A	S	297290	a	Asbestos identification in Soil	A001B	a
WS30	N/A	S	297290	a	Asbestos types if id possible	N/A	a
WS30	N/A	S	297290	a	BTEX and/or Volatile organic compounds in soil	L073B	a
WS30	N/A	S	297290	a	Boron, water soluble, in soil	L038B	a
WS30	N/A	S	297290	a	Chloride, water soluble, in soil	L082B	a
WS30	N/A	S	297290	a	Elemental sulphur in soil	L021B	a
WS30	N/A	S	297290	a	Hexavalent chromium in soil	L080	a
WS30	N/A	S	297290	a	Metals in soil by ICP-OES	L038B	a
WS30	N/A	S	297290	a	Monohydric phenols in soil	L080	a
WS30	N/A	S	297290	a	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	a
WS30	N/A	S	297290	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS30	N/A	S	297290	a	Sulphide in soil	L010	a
WS30	N/A	S	297290	a	Total cyanide in soil	L080	a
WS30	N/A	S	297290	a	Total organic carbon (Automated) in soil	L009B	a
WS30	N/A	S	297290	a	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088	a
WS30	N/A	S	297290	a	Total sulphate (as SO4 in soil)	L038B	a
WS30	N/A	S	297290	a	pH in soil (automated)	L099	a

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## **Analytical Report Number : 24-038645**

<b>Project / Site name:</b>	Sayers Common	<b>Samples received on:</b>	23/08/2024
<b>Your job number:</b>	GE22666	<b>Samples instructed on/ Analysis started on:</b>	27/08/2024
<b>Your order number:</b>	PO-7677	<b>Analysis completed by:</b>	30/08/2024
<b>Report Issue Number:</b>	1	<b>Report issued on:</b>	02/09/2024
<b>Samples Analysed:</b>	1 soil sample		



**Signed:** \_\_\_\_\_

Anna Goc  
PL Head of Reporting Team  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.



Analytical Report Number: 24-038645

Project / Site name: Sayers Common

Your Order No: PO-7677

<b>Lab Sample Number</b>				298679
<b>Sample Reference</b>				WS03
<b>Sample Number</b>				None Supplied
<b>Depth (m)</b>				0.10
<b>Date Sampled</b>				Deviating
<b>Time Taken</b>				None Supplied
<b>Analytical Parameter (Soil Analysis)</b>	<b>Units</b>	<b>Test Limit of detection</b>	<b>Test Accreditation Status</b>	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	11
Total mass of sample received	kg	0.1	NONE	1.5

**Pesticides**

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	< 10
Alachlor	µg/kg	10	NONE	< 10
Bifenthrin	µg/kg	10	NONE	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	< 10
Ormethoate	µg/kg	10	NONE	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	< 10
Dimethylvinphos	µg/kg	10	NONE	< 10
Demeton-O	µg/kg	10	NONE	< 10
Demeton-S	µg/kg	10	NONE	< 10
Endrin Aldehyde	µg/kg	10	NONE	< 10
Endrin Ketone	µg/kg	10	NONE	< 10
Hexachlorobutadiene	µg/kg	10	NONE	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	< 10
Cis-Permethrin	µg/kg	10	NONE	< 10
Endosulfan sulfate	µg/kg	10	NONE	< 10
Etrinfos	µg/kg	10	NONE	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	< 10
Hexachlorobenzene	µg/kg	10	NONE	< 10
Mevinphos, E+Z	µg/kg	10	NONE	< 10
Pentachlorobenzene	µg/kg	10	NONE	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	< 10
Propetamphos	µg/kg	10	NONE	< 10
Tecnazene	µg/kg	10	NONE	< 10
Triadimefon	µg/kg	10	NONE	< 10
Trans-Permethrin	µg/kg	10	NONE	< 10
Aldrin	µg/kg	10	NONE	< 10
Azinphos-methyl	µg/kg	10	NONE	< 10
Beta-BHC	µg/kg	10	NONE	< 10
Cis-Chlordane	µg/kg	10	NONE	< 10
Chlorfenvinphos	µg/kg	10	NONE	< 10
Chlorpyrifos	µg/kg	10	NONE	< 10
Chlorothalonil	µg/kg	10	NONE	< 10
Carbophenothion	µg/kg	10	NONE	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10
Delta-BHC	µg/kg	10	NONE	< 10
Dieldrin	µg/kg	10	NONE	< 10
Deltamethrin	µg/kg	10	NONE	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	< 10
Endrin	µg/kg	10	NONE	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10
Fenthion	µg/kg	10	NONE	< 10

Analytical Report Number: 24-038645  
 Project / Site name: Sayers Common  
 Your Order No: PO-7677

<b>Lab Sample Number</b>				298679
<b>Sample Reference</b>				WS03
<b>Sample Number</b>				None Supplied
<b>Depth (m)</b>				0.10
<b>Date Sampled</b>				Deviating
<b>Time Taken</b>				None Supplied
<b>Analytical Parameter (Soil Analysis)</b>	<b>Units</b>	<b>Test Limit of detection</b>	<b>Test Accreditation Status</b>	
Isodrin	µg/kg	10	NONE	< 10
Methacrifos	µg/kg	10	NONE	< 10
O,p'-DDD	µg/kg	10	NONE	< 10
O,p'-DDE	µg/kg	10	NONE	< 10
O,p'-DDT	µg/kg	10	NONE	< 10
Parathion	µg/kg	10	NONE	< 10
Parathion-methyl	µg/kg	10	NONE	< 10
Pendimethalin	µg/kg	10	NONE	< 10
Phorate	µg/kg	10	NONE	< 10
Phosalone	µg/kg	10	NONE	< 10
P,p'-DDD	µg/kg	10	NONE	< 10
P,p'-DDE	µg/kg	10	NONE	< 10
P,p'-DDT	µg/kg	10	NONE	< 10
P,p'-Methoxychlor	µg/kg	10	NONE	< 10
Propyzamide	µg/kg	10	NONE	< 10
Triazophos	µg/kg	10	NONE	< 10
Trans-Chlordane	µg/kg	10	NONE	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	< 10
Dichlorvos	µg/kg	10	NONE	< 10
Dimethoate	µg/kg	10	NONE	< 10
Diazinon	µg/kg	10	NONE	< 10
Ethion	µg/kg	10	NONE	< 10
Fenitrothion	µg/kg	10	NONE	< 10
Malathion	µg/kg	10	NONE	< 10
Pirimiphos-methyl	µg/kg	10	NONE	< 10
Trifluralin	µg/kg	10	NONE	< 10
Azinphos-ethyl	µg/kg	10	NONE	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

**Analytical Report Number : 24-038645**

**Project / Site name: Sayers Common**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
298679	WS03	None Supplied	0.1	Brown loam and clay with gravel and vegetation

**Analytical Report Number : 24-038645**

**Project / Site name: Sayers Common**

**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)**

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Pesticides by GC-MS/MS	Determination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE

**For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).**

**For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).**

**For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.**

**Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.**

**Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.**

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

## Sample Deviation Report



**Analytical Report Number : 24-038645**

**Project / Site name: Sayers Common**

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS03	N/A	S	298679	a	Pesticides by GC-MS/MS	L055B	a

# 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:

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



Q9GFP-689ZV-ZBC8P

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

## Job name

GE22666 - Sayers Common

## Description/Comments

24-038319\_HWOL

## Project

GE22666

## Site

Sayers Common

## Classified by

<b>Name:</b> <b>Anthony Potter</b>	<b>Company:</b> <b>Geo-Environmental Services</b>
<b>Date:</b> <b>24 Sep 2024 12:35 GMT</b>	<b>Unit 7, Danworth Farm, Cuckfield Road</b>
<b>Telephone:</b> <b>01273832972</b>	<b>Hurstpierpoint</b>
	<b>BN6 9GL</b>

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**  
Hazardous Waste Classification

**Date**  
06 Oct 2022

Next 3 year Refresher due by Oct 2025

## Purpose of classification

2 - Material Characterisation

## Address of the waste

LVS Hassocks, London Road, Sayers Common

**Post Code** BN6 9HT

## SIC for the process giving rise to the waste

41202 Construction of domestic buildings

## Description of industry/producer giving rise to the waste

Redevelopment of school for residential enduse

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

Waste created during the construction of new residential properties

## Description of the waste

Topsoil comprised brown slightly sandy silty clay, silty clay and sandy gravelly clay with frequent rootlets and roots 1-5mm diameter.

Made Ground comprised a mixed composition comprising light greyish brown silty slightly sandy slightly gravelly clay, slightly sandy slightly gravelly clay, grey silty gravelly sand, brown sandy gravelly clay, brick and concrete rubble, pea shingle, pale bluish silty clay, dark brown and black clayey fine sand. Gravels were brick and concrete, some roots and rootlets.

Weald Clay Formation comprised firm to very stiff silty clay and occasional silty gravelly sandy clay with black ferruginous inclusions and weakly cemented siltstone noted at greater depths.

**Job summary**

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS04---0.10		Non Hazardous		3
2	WS05---0.10		Non Hazardous		6
3	WS05---0.50		Non Hazardous		9
4	WS08---0.10		Non Hazardous		12
5	WS08---0.60		Non Hazardous		15
6	WS11---0.60		Non Hazardous		18
7	WS11---1.20		Non Hazardous		21
8	WS12---0.10		Non Hazardous		24
9	WS12---0.60		Non Hazardous		27
10	WS13---0.50		Non Hazardous		30
11	WS13A---0.60		Non Hazardous		33
12	WS13A---1.20		Non Hazardous		36
13	WS18---0.10		Non Hazardous		39
14	WS18---0.50		Non Hazardous		42
15	WS21---0.20		Non Hazardous		45
16	WS21---0.80		Non Hazardous		48
17	WS22---0.10		Non Hazardous		51
18	WS22---0.50		Non Hazardous		54
19	WS30---0.10		Non Hazardous		57
20	WS30---0.60		Non Hazardous		60

**Related documents**

#	Name	Description
1	24-038319_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
2	GESL Soils Waste Stream Template	waste stream template used to create this Job

**Report**

Created by: Anthony Potter

Created date: 24 Sep 2024 12:35 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	63
Appendix B: Rationale for selection of metal species	64
Appendix C: Version	65

**Classification of sample: WS04---0.10**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS04---0.10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>12%</b> (wet weight correction)		

**Hazard properties**

None identified

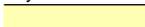
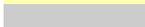
**Determinands**

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				14 mg/kg	1.32	16.266 mg/kg	0.00163 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				68 mg/kg	1.845	110.384 mg/kg	0.011 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.89 mg/kg	2.775	2.174 mg/kg	0.000217 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.3 mg/kg	3.22	3.684 mg/kg	0.000368 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27 mg/kg	1.462	39.462 mg/kg	0.00395 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	15.853 mg/kg	0.00159 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	32 mg/kg	1.56	43.924 mg/kg	0.00282 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				11 mg/kg	2.976	28.81 mg/kg	0.00288 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				1.3 mg/kg	2.554	2.922 mg/kg	0.000292 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				43 mg/kg	1.785	67.551 mg/kg	0.00676 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				58 mg/kg	2.774	141.592 mg/kg	0.0142 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				7.7 pH		7.7 pH	7.7 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				0.11 mg/kg		0.0968 mg/kg	0.00000968 %	✓	
		205-912-4	206-44-0							
25	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
26	benzo[a]anthracene				0.05 mg/kg		0.044 mg/kg	0.0000044 %	✓	
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				0.05 mg/kg		0.044 mg/kg	0.0000044 %	✓	
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				7.2 mg/kg	3.211	20.347 mg/kg	0.00203 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0506 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.011%)

**Classification of sample: WS05---0.10**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS05---0.10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>13%</b> (wet weight correction)		

**Hazard properties**

None identified

**Determinands**

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				16 mg/kg	1.32	18.379 mg/kg	0.00184 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				67 mg/kg	1.845	107.525 mg/kg	0.0108 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.89 mg/kg	2.775	2.149 mg/kg	0.000215 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.1 mg/kg	3.22	3.081 mg/kg	0.000308 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	18.611 mg/kg	0.00186 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	43 mg/kg	1.56	58.353 mg/kg	0.00374 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				11 mg/kg	2.976	28.483 mg/kg	0.00285 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				1.2 mg/kg	2.554	2.666 mg/kg	0.000267 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				48 mg/kg	1.785	74.549 mg/kg	0.00745 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				62 mg/kg	2.774	149.637 mg/kg	0.015 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
17	pH				7.3	pH		7.3	pH	7.3 pH		
			PH									
18	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
20	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
21	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									
22	phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8									
23	anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7									
24	fluoranthene				0.08	mg/kg		0.0696	mg/kg	0.00000696 %	✓	
		205-912-4	206-44-0									
25	pyrene				0.06	mg/kg		0.0522	mg/kg	0.00000522 %	✓	
		204-927-3	129-00-0									
26	benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2									
34	sulfur { sulphur dichloride }				7.8	mg/kg	3.211	21.792	mg/kg	0.00218 %	✓	
	016-013-00-X	234-129-0	10545-99-0									
35	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186									
Total:										0.0535 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**

**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

---

Hazard Statements hit:

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

barium chromate: (compound conc.: 0.0108%)

**Classification of sample: WS05---0.50**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS05---0.50</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>15%</b> (wet weight correction)		

**Hazard properties**

None identified

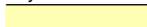
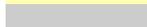
**Determinands**

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				15 mg/kg	1.32	16.834 mg/kg	0.00168 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				65 mg/kg	1.845	101.917 mg/kg	0.0102 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.87 mg/kg	2.775	2.052 mg/kg	0.000205 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.5 mg/kg	3.22	4.105 mg/kg	0.000411 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				38 mg/kg	1.462	55.539 mg/kg	0.00555 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				22 mg/kg	1.126	21.054 mg/kg	0.00211 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	19 mg/kg	1.56	25.191 mg/kg	0.00161 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				14 mg/kg	2.976	35.418 mg/kg	0.00354 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				53 mg/kg	1.785	80.423 mg/kg	0.00804 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				51 mg/kg	2.774	120.259 mg/kg	0.012 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				7.6 pH		7.6 pH	7.6 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
25	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
26	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				13 mg/kg	3.211	35.485 mg/kg	0.00355 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.052 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.0102%)

**Classification of sample: WS08---0.10**

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

**Sample details**

Sample name:	LoW Code:
<b>WS08---0.10</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>8.9%</b> (wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 8.9% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				16 mg/kg	1.32	19.245 mg/kg	0.00192 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				64 mg/kg	1.845	107.551 mg/kg	0.0108 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.82 mg/kg	2.775	2.073 mg/kg	0.000207 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1 mg/kg	3.22	2.933 mg/kg	0.000293 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27 mg/kg	1.462	39.462 mg/kg	0.00395 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	12.308 mg/kg	0.00123 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	50 mg/kg	1.56	71.05 mg/kg	0.00456 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				11 mg/kg	2.976	29.825 mg/kg	0.00298 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				1.9 mg/kg	2.554	4.42 mg/kg	0.000442 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				40 mg/kg	1.785	65.052 mg/kg	0.00651 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				50 mg/kg	2.774	126.362 mg/kg	0.0126 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
17	pH				6.8	pH		6.8	pH	6.8 pH		
			PH									
18	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
20	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
21	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									
22	phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8									
23	anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7									
24	fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0									
25	pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0									
26	benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2									
34	sulfur { sulphur dichloride }				7.1	mg/kg	3.211	20.771	mg/kg	0.00208 %	✓	
	016-013-00-X	234-129-0	10545-99-0									
35	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186									
Total:										0.0504 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**

**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.0108%)

**Classification of sample: WS08---0.60**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS08---0.60</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>11%</b> (wet weight correction)		

**Hazard properties**

None identified

**Determinands**

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				21 mg/kg	1.32	24.677 mg/kg	0.00247 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				59 mg/kg	1.845	96.863 mg/kg	0.00969 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.95 mg/kg	2.775	2.347 mg/kg	0.000235 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				0.9 mg/kg	3.22	2.579 mg/kg	0.000258 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				36 mg/kg	1.462	52.616 mg/kg	0.00526 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				17 mg/kg	1.126	17.035 mg/kg	0.0017 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	19 mg/kg	1.56	26.376 mg/kg	0.00169 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				13 mg/kg	2.976	34.435 mg/kg	0.00344 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				1.1 mg/kg	2.554	2.5 mg/kg	0.00025 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				48 mg/kg	1.785	76.263 mg/kg	0.00763 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				55 mg/kg	2.774	135.794 mg/kg	0.0136 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				8.2 pH		8.2 pH	8.2 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
25	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
26	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				6.8 mg/kg	3.211	19.435 mg/kg	0.00194 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.051 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.00969%)

**Classification of sample: WS11---0.60**

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

**Sample details**

Sample name:	LoW Code:
<b>WS11---0.60</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>9.1%</b> (wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 9.1% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				20 mg/kg	1.32	24.004 mg/kg	0.0024 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				120 mg/kg	1.845	201.215 mg/kg	0.0201 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				1.1 mg/kg	2.775	2.775 mg/kg	0.000278 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.1 mg/kg	3.22	3.22 mg/kg	0.000322 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				27 mg/kg	1.126	27.633 mg/kg	0.00276 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	200 mg/kg	1.56	283.574 mg/kg	0.0182 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				23 mg/kg	2.976	62.225 mg/kg	0.00622 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				41 mg/kg	1.785	66.532 mg/kg	0.00665 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				99 mg/kg	2.774	249.648 mg/kg	0.025 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD	
	006-007-00-5												
17	pH				9	pH		9	pH	9pH			
			PH										
18	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3										
19	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
		205-917-1	208-96-8										
20	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
		201-469-6	83-32-9										
21	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7										
22	phenanthrene				0.34	mg/kg		0.309	mg/kg	0.0000309 %	✓		
		201-581-5	85-01-8										
23	anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
		204-371-1	120-12-7										
24	fluoranthene				1.3	mg/kg		1.182	mg/kg	0.000118 %	✓		
		205-912-4	206-44-0										
25	pyrene				1.3	mg/kg		1.182	mg/kg	0.000118 %	✓		
		204-927-3	129-00-0										
26	benzo[a]anthracene				0.81	mg/kg		0.736	mg/kg	0.0000736 %	✓		
	601-033-00-9	200-280-6	56-55-3										
27	chrysene				0.85	mg/kg		0.773	mg/kg	0.0000773 %	✓		
	601-048-00-0	205-923-4	218-01-9										
28	benzo[b]fluoranthene				1.2	mg/kg		1.091	mg/kg	0.000109 %	✓		
	601-034-00-4	205-911-9	205-99-2										
29	benzo[k]fluoranthene				0.57	mg/kg		0.518	mg/kg	0.0000518 %	✓		
	601-036-00-5	205-916-6	207-08-9										
30	benzo[a]pyrene; benzo[def]chrysene				1.1	mg/kg		1.0	mg/kg	0.0001 %	✓		
	601-032-00-3	200-028-5	50-32-8										
31	indeno[123-cd]pyrene				0.61	mg/kg		0.554	mg/kg	0.0000554 %	✓		
		205-893-2	193-39-5										
32	dibenz[a,h]anthracene				0.1	mg/kg		0.0909	mg/kg	0.00000909 %	✓		
	601-041-00-2	200-181-8	53-70-3										
33	benzo[ghi]perylene				0.73	mg/kg		0.664	mg/kg	0.0000664 %	✓		
		205-883-8	191-24-2										
34	sulfur { sulphur dichloride }				<5	mg/kg	3.211	<16.057	mg/kg	<0.00161 %		<LOD	
	016-013-00-X	234-129-0	10545-99-0										
35	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD	
			P1186										
Total:										0.0916 %			

**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
<b>&lt;LOD</b>	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

**Supplementary Hazardous Property Information**

**HP 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**

**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.0201%)

**Classification of sample: WS11---1.20**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS11---1.20</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>15%</b> (wet weight correction)		

**Hazard properties**

None identified

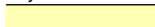
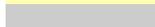
**Determinands**

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	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									
1	arsenic { arsenic trioxide }				36	mg/kg	1.32	40.402	mg/kg	0.00404 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	barium { barium chromate }				66	mg/kg	1.845	103.485	mg/kg	0.0103 %	✓	
		233-660-5	10294-40-3									
3	beryllium { beryllium oxide }				1	mg/kg	2.775	2.359	mg/kg	0.000236 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
4	boron { diboron trioxide }				1.3	mg/kg	3.22	3.558	mg/kg	0.000356 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
5	cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				34	mg/kg	1.462	49.693	mg/kg	0.00497 %		
		215-160-9	1308-38-9									
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
8	copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	23.925	mg/kg	0.00239 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
9	lead { lead chromate }			1	28	mg/kg	1.56	37.124	mg/kg	0.00238 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
10	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
11	nickel { nickel chromate }				14	mg/kg	2.976	35.418	mg/kg	0.00354 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
12	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				54	mg/kg	1.785	81.94	mg/kg	0.00819 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
14	zinc { zinc chromate }				37	mg/kg	2.774	87.247	mg/kg	0.00872 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
15	TPH (C6 to C40) petroleum group				<20	mg/kg		<20	mg/kg	<0.002 %		<LOD
			TPH									

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				8.1 pH		8.1 pH	8.1 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
25	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
26	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				7.7 mg/kg	3.211	21.018 mg/kg	0.0021 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0504 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.0103%)

**Classification of sample: WS12---0.10**

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

**Sample details**

Sample name:	LoW Code:
<b>WS12---0.10</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>9.7%</b> (wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 9.7% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				17 mg/kg	1.32	20.268 mg/kg	0.00203 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				65 mg/kg	1.845	108.272 mg/kg	0.0108 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.88 mg/kg	2.775	2.205 mg/kg	0.000221 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1 mg/kg	3.22	2.908 mg/kg	0.000291 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27 mg/kg	1.462	39.462 mg/kg	0.00395 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				22 mg/kg	1.126	22.367 mg/kg	0.00224 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	49 mg/kg	1.56	69.017 mg/kg	0.00442 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				16 mg/kg	2.976	43.001 mg/kg	0.0043 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				41 mg/kg	1.785	66.093 mg/kg	0.00661 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				130 mg/kg	2.774	325.657 mg/kg	0.0326 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
17	pH				6.7	pH		6.7	pH	6.7 pH		
			PH									
18	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
20	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
21	fluorene				0.08	mg/kg		0.0722	mg/kg	0.00000722 %	✓	
		201-695-5	86-73-7									
22	phenanthrene				0.31	mg/kg		0.28	mg/kg	0.000028 %	✓	
		201-581-5	85-01-8									
23	anthracene				2.4	mg/kg		2.167	mg/kg	0.000217 %	✓	
		204-371-1	120-12-7									
24	fluoranthene				0.3	mg/kg		0.271	mg/kg	0.0000271 %	✓	
		205-912-4	206-44-0									
25	pyrene				0.25	mg/kg		0.226	mg/kg	0.0000226 %	✓	
		204-927-3	129-00-0									
26	benzo[a]anthracene				0.17	mg/kg		0.154	mg/kg	0.0000154 %	✓	
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				0.39	mg/kg		0.352	mg/kg	0.0000352 %	✓	
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				0.13	mg/kg		0.117	mg/kg	0.0000117 %	✓	
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				0.08	mg/kg		0.0722	mg/kg	0.00000722 %	✓	
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				0.13	mg/kg		0.117	mg/kg	0.0000117 %	✓	
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				0.06	mg/kg		0.0542	mg/kg	0.00000542 %	✓	
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				0.08	mg/kg		0.0722	mg/kg	0.00000722 %	✓	
		205-883-8	191-24-2									
34	sulfur { sulphur dichloride }				7.3	mg/kg	3.211	21.169	mg/kg	0.00212 %	✓	
	016-013-00-X	234-129-0	10545-99-0									
35	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186									
Total:										0.073 %		

**Key**

<span style="background-color: yellow;"> </span>	User supplied data
<span style="background-color: #cccccc;"> </span>	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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**

**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

---

Hazard Statements hit:

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

barium chromate: (compound conc.: 0.0108%)

**Classification of sample: WS12---0.60**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS12---0.60</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>15%</b> (wet weight correction)		

**Hazard properties**

None identified

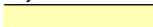
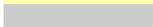
**Determinands**

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				12 mg/kg	1.32	13.467 mg/kg	0.00135 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				68 mg/kg	1.845	106.621 mg/kg	0.0107 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				1.1 mg/kg	2.775	2.595 mg/kg	0.000259 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				0.9 mg/kg	3.22	2.463 mg/kg	0.000246 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				43 mg/kg	1.462	62.847 mg/kg	0.00628 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				28 mg/kg	1.126	26.796 mg/kg	0.00268 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	21 mg/kg	1.56	27.843 mg/kg	0.00179 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				17 mg/kg	2.976	43.007 mg/kg	0.0043 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				56 mg/kg	1.785	84.975 mg/kg	0.0085 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				58 mg/kg	2.774	136.765 mg/kg	0.0137 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				8.7 pH		8.7 pH	8.7 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
25	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
26	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				11 mg/kg	3.211	30.026 mg/kg	0.003 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0558 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

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**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

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barium chromate: (compound conc.: 0.0107%)

**Classification of sample: WS13---0.50**

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

**Sample details**

Sample name:	LoW Code:
<b>WS13---0.50</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:
<b>11%</b> (wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

**Hazard properties**

None identified

**Determinands**

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				25 mg/kg	1.32	29.377 mg/kg	0.00294 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				92 mg/kg	1.845	151.04 mg/kg	0.0151 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				1.1 mg/kg	2.775	2.717 mg/kg	0.000272 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.5 mg/kg	3.22	4.299 mg/kg	0.00043 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27 mg/kg	1.462	39.462 mg/kg	0.00395 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				39 mg/kg	1.126	39.08 mg/kg	0.00391 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	250 mg/kg	1.56	347.059 mg/kg	0.0222 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				17 mg/kg	2.976	45.031 mg/kg	0.0045 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				47 mg/kg	1.785	74.674 mg/kg	0.00747 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				100 mg/kg	2.774	246.899 mg/kg	0.0247 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
17	pH				8	pH		8	pH	8pH		
			PH									
18	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
20	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
21	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									
22	phenanthrene				0.31	mg/kg		0.276	mg/kg	0.0000276 %	✓	
		201-581-5	85-01-8									
23	anthracene				0.13	mg/kg		0.116	mg/kg	0.0000116 %	✓	
		204-371-1	120-12-7									
24	fluoranthene				0.76	mg/kg		0.676	mg/kg	0.0000676 %	✓	
		205-912-4	206-44-0									
25	pyrene				0.66	mg/kg		0.587	mg/kg	0.0000587 %	✓	
		204-927-3	129-00-0									
26	benzo[a]anthracene				0.4	mg/kg		0.356	mg/kg	0.0000356 %	✓	
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				0.42	mg/kg		0.374	mg/kg	0.0000374 %	✓	
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				0.59	mg/kg		0.525	mg/kg	0.0000525 %	✓	
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				0.19	mg/kg		0.169	mg/kg	0.0000169 %	✓	
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				0.44	mg/kg		0.392	mg/kg	0.0000392 %	✓	
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				0.24	mg/kg		0.214	mg/kg	0.0000214 %	✓	
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				0.25	mg/kg		0.223	mg/kg	0.0000222 %	✓	
		205-883-8	191-24-2									
34	sulfur { sulphur dichloride }				7	mg/kg	3.211	20.007	mg/kg	0.002 %	✓	
	016-013-00-X	234-129-0	10545-99-0									
35	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186									
Total:										0.0909 %		

**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
<b>&lt;LOD</b>	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

**Supplementary Hazardous Property Information**

**HP 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**

**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.0151%)

**Classification of sample: WS13A---0.60**


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

**Sample details**

Sample name:	LoW Code:	
<b>WS13A---0.60</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>9.1%</b> (wet weight correction)		

**Hazard properties**

None identified

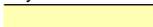
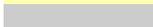
**Determinands**

Moisture content: 9.1% Wet Weight Moisture Correction applied (MC)

#	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									
1	arsenic { arsenic trioxide }				13	mg/kg	1.32	15.602	mg/kg	0.00156 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	barium { barium chromate }				52	mg/kg	1.845	87.193	mg/kg	0.00872 %	✓	
		233-660-5	10294-40-3									
3	beryllium { beryllium oxide }				0.36	mg/kg	2.775	0.908	mg/kg	0.0000908 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
4	boron { diboron trioxide }				0.5	mg/kg	3.22	1.463	mg/kg	0.000146 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
5	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.519	mg/kg	0.0000519 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
8	copper { dicopper oxide; copper (I) oxide }				59	mg/kg	1.126	60.383	mg/kg	0.00604 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
9	lead { lead chromate }			1	110	mg/kg	1.56	155.966	mg/kg	0.01 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
10	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
11	nickel { nickel chromate }				9.8	mg/kg	2.976	26.513	mg/kg	0.00265 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
12	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				18	mg/kg	1.785	29.209	mg/kg	0.00292 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
14	zinc { zinc chromate }				180	mg/kg	2.774	453.906	mg/kg	0.0454 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
15	TPH (C6 to C40) petroleum group				133	mg/kg		120.897	mg/kg	0.0121 %	✓	
			TPH									

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				8.1 pH		8.1 pH	8.1 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				0.24 mg/kg		0.218 mg/kg	0.0000218 %	✓	
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				0.51 mg/kg		0.464 mg/kg	0.0000464 %	✓	
		205-912-4	206-44-0							
25	pyrene				0.46 mg/kg		0.418 mg/kg	0.0000418 %	✓	
		204-927-3	129-00-0							
26	benzo[a]anthracene				0.28 mg/kg		0.255 mg/kg	0.0000255 %	✓	
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				0.29 mg/kg		0.264 mg/kg	0.0000264 %	✓	
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				0.45 mg/kg		0.409 mg/kg	0.0000409 %	✓	
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				0.14 mg/kg		0.127 mg/kg	0.0000127 %	✓	
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				0.35 mg/kg		0.318 mg/kg	0.0000318 %	✓	
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				0.25 mg/kg		0.227 mg/kg	0.0000227 %	✓	
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				0.28 mg/kg		0.255 mg/kg	0.0000255 %	✓	
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				7.5 mg/kg	3.211	21.893 mg/kg	0.00219 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0955 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

barium chromate: (compound conc.: 0.00872%)

**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: 1000 mg/kg (0.1%)

because: No liquid phase, to lower concentration to be flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0121%)

**Classification of sample: WS13A---1.20**

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

**Sample details**

Sample name:	LoW Code:
<b>WS13A---1.20</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>20%</b> (wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 20% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				13 mg/kg	1.32	13.731 mg/kg	0.00137 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				61 mg/kg	1.845	90.019 mg/kg	0.009 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				1.1 mg/kg	2.775	2.442 mg/kg	0.000244 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.8 mg/kg	3.22	4.637 mg/kg	0.000464 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				40 mg/kg	1.462	58.462 mg/kg	0.00585 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				30 mg/kg	1.126	27.021 mg/kg	0.0027 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	22 mg/kg	1.56	27.453 mg/kg	0.00176 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				20 mg/kg	2.976	47.62 mg/kg	0.00476 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				56 mg/kg	1.785	79.976 mg/kg	0.008 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				60 mg/kg	2.774	133.159 mg/kg	0.0133 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				7.4 pH		7.4 pH	7.4 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
25	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
26	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				10 mg/kg	3.211	25.691 mg/kg	0.00257 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0531 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**

**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

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**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

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barium chromate: (compound conc.: 0.009%)

**Classification of sample: WS18---0.10**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS18---0.10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>11%</b> (wet weight correction)		

**Hazard properties**

None identified

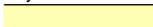
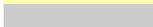
**Determinands**

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				12 mg/kg	1.32	14.101 mg/kg	0.00141 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				58 mg/kg	1.845	95.221 mg/kg	0.00952 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.69 mg/kg	2.775	1.704 mg/kg	0.00017 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1 mg/kg	3.22	2.866 mg/kg	0.000287 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	16.033 mg/kg	0.0016 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	36 mg/kg	1.56	49.976 mg/kg	0.0032 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				11 mg/kg	2.976	29.138 mg/kg	0.00291 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				1.5 mg/kg	2.554	3.409 mg/kg	0.000341 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				35 mg/kg	1.785	55.609 mg/kg	0.00556 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				68 mg/kg	2.774	167.891 mg/kg	0.0168 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				6.2 pH		6.2 pH	6.2 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				0.13 mg/kg		0.116 mg/kg	0.0000116 %	✓	
		201-581-5	85-01-8							
23	anthracene				0.08 mg/kg		0.0712 mg/kg	0.00000712 %	✓	
		204-371-1	120-12-7							
24	fluoranthene				0.35 mg/kg		0.312 mg/kg	0.0000311 %	✓	
		205-912-4	206-44-0							
25	pyrene				0.3 mg/kg		0.267 mg/kg	0.0000267 %	✓	
		204-927-3	129-00-0							
26	benzo[a]anthracene				0.17 mg/kg		0.151 mg/kg	0.0000151 %	✓	
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				0.21 mg/kg		0.187 mg/kg	0.0000187 %	✓	
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				0.28 mg/kg		0.249 mg/kg	0.0000249 %	✓	
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				0.09 mg/kg		0.0801 mg/kg	0.00000801 %	✓	
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				0.21 mg/kg		0.187 mg/kg	0.0000187 %	✓	
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				0.13 mg/kg		0.116 mg/kg	0.0000116 %	✓	
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				0.12 mg/kg		0.107 mg/kg	0.0000107 %	✓	
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0494 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

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Hazard Statements hit:

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

barium chromate: (compound conc.: 0.00952%)

**Classification of sample: WS18---0.50**

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

**Sample details**

Sample name:	LoW Code:
<b>WS18---0.50</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>18%</b> (wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				14 mg/kg	1.32	15.157 mg/kg	0.00152 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				53 mg/kg	1.845	80.169 mg/kg	0.00802 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				1.1 mg/kg	2.775	2.503 mg/kg	0.00025 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				0.8 mg/kg	3.22	2.112 mg/kg	0.000211 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				42 mg/kg	1.462	61.385 mg/kg	0.00614 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				30 mg/kg	1.126	27.697 mg/kg	0.00277 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	16 mg/kg	1.56	20.465 mg/kg	0.00131 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				23 mg/kg	2.976	56.132 mg/kg	0.00561 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				79 mg/kg	1.785	115.644 mg/kg	0.0116 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				56 mg/kg	2.774	127.389 mg/kg	0.0127 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				7.2 pH		7.2 pH	7.2 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
25	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
26	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				7.3 mg/kg	3.211	19.223 mg/kg	0.00192 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0551 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**

**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

---

Hazard Statements hit:

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

barium chromate: (compound conc.: 0.00802%)

**Classification of sample: WS21---0.20**


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

**Sample details**

Sample name:	LoW Code:	
<b>WS21---0.20</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>11%</b> (wet weight correction)		

**Hazard properties**

None identified

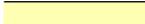
**Determinands**

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				10 mg/kg	1.32	11.751 mg/kg	0.00118 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				74 mg/kg	1.845	121.489 mg/kg	0.0121 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.82 mg/kg	2.775	2.025 mg/kg	0.000203 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				0.6 mg/kg	3.22	1.719 mg/kg	0.000172 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.508 mg/kg	0.0000508 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	16.033 mg/kg	0.0016 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	55 mg/kg	1.56	76.353 mg/kg	0.0049 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				14 mg/kg	2.976	37.084 mg/kg	0.00371 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				1.5 mg/kg	2.554	3.409 mg/kg	0.000341 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				38 mg/kg	1.785	60.375 mg/kg	0.00604 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				78 mg/kg	2.774	192.581 mg/kg	0.0193 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				6.7 pH		6.7 pH	6.7 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				0.07 mg/kg		0.0623 mg/kg	0.00000623 %	✓	
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				0.1 mg/kg		0.089 mg/kg	0.0000089 %	✓	
		205-912-4	206-44-0							
25	pyrene				0.11 mg/kg		0.0979 mg/kg	0.00000979 %	✓	
		204-927-3	129-00-0							
26	benzo[a]anthracene				0.06 mg/kg		0.0534 mg/kg	0.00000534 %	✓	
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				6.8 mg/kg	3.211	19.435 mg/kg	0.00194 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0577 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

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barium chromate: (compound conc.: 0.0121%)

**Classification of sample: WS21---0.80**

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

**Sample details**

Sample name:	LoW Code:
<b>WS21---0.80</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>11%</b> (wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				3.4 mg/kg	1.32	3.995 mg/kg	0.0004 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				60 mg/kg	1.845	98.504 mg/kg	0.00985 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				1.4 mg/kg	2.775	3.458 mg/kg	0.000346 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.1 mg/kg	3.22	3.152 mg/kg	0.000315 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	19.039 mg/kg	0.0019 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	42 mg/kg	1.56	58.306 mg/kg	0.00374 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				14 mg/kg	2.976	37.084 mg/kg	0.00371 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				1.6 mg/kg	2.554	3.637 mg/kg	0.000364 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				61 mg/kg	1.785	96.918 mg/kg	0.00969 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				87 mg/kg	2.774	214.802 mg/kg	0.0215 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				7.3 pH		7.3 pH	7.3 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
25	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
26	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0612 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**

**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.00985%)

**Classification of sample: WS22---0.10**


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

**Sample details**

Sample name:	LoW Code:	
<b>WS22---0.10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>7.4%</b> (wet weight correction)		

**Hazard properties**

None identified

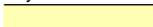
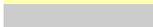
**Determinands**

Moisture content: 7.4% Wet Weight Moisture Correction applied (MC)

#	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									
1	arsenic { arsenic trioxide }				11	mg/kg	1.32	13.449	mg/kg	0.00134 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	barium { barium chromate }				72	mg/kg	1.845	122.987	mg/kg	0.0123 %	✓	
		233-660-5	10294-40-3									
3	beryllium { beryllium oxide }				0.74	mg/kg	2.775	1.902	mg/kg	0.00019 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
4	boron { diboron trioxide }				1.2	mg/kg	3.22	3.578	mg/kg	0.000358 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
5	cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23	mg/kg	1.462	33.616	mg/kg	0.00336 %		
		215-160-9	1308-38-9									
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
8	copper { dicopper oxide; copper (I) oxide }				18	mg/kg	1.126	18.766	mg/kg	0.00188 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
9	lead { lead chromate }			1	41	mg/kg	1.56	59.22	mg/kg	0.0038 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
10	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
11	nickel { nickel chromate }				14	mg/kg	2.976	38.584	mg/kg	0.00386 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
12	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				41	mg/kg	1.785	67.776	mg/kg	0.00678 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
14	zinc { zinc chromate }				59	mg/kg	2.774	151.563	mg/kg	0.0152 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
15	TPH (C6 to C40) petroleum group				<20	mg/kg		<20	mg/kg	<0.002 %		<LOD
			TPH									

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				7.6 pH		7.6 pH	7.6 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				0.09 mg/kg		0.0833 mg/kg	0.0000833 %	✓	
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				0.13 mg/kg		0.12 mg/kg	0.000012 %	✓	
		205-912-4	206-44-0							
25	pyrene				0.13 mg/kg		0.12 mg/kg	0.000012 %	✓	
		204-927-3	129-00-0							
26	benzo[a]anthracene				0.07 mg/kg		0.0648 mg/kg	0.0000648 %	✓	
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				0.07 mg/kg		0.0648 mg/kg	0.0000648 %	✓	
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				0.11 mg/kg		0.102 mg/kg	0.0000102 %	✓	
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				7 mg/kg	3.211	20.816 mg/kg	0.00208 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0542 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.0123%)

**Classification of sample: WS22---0.50**

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

**Sample details**

Sample name:	LoW Code:
<b>WS22---0.50</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>10%</b> (wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				11 mg/kg	1.32	13.071 mg/kg	0.00131 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				52 mg/kg	1.845	86.33 mg/kg	0.00863 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.95 mg/kg	2.775	2.373 mg/kg	0.000237 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1 mg/kg	3.22	2.898 mg/kg	0.00029 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				37 mg/kg	1.462	54.078 mg/kg	0.00541 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				28 mg/kg	1.126	28.372 mg/kg	0.00284 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	17 mg/kg	1.56	23.865 mg/kg	0.00153 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				19 mg/kg	2.976	50.894 mg/kg	0.00509 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				61 mg/kg	1.785	98.007 mg/kg	0.0098 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				60 mg/kg	2.774	149.804 mg/kg	0.015 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
17	pH				7.3	pH		7.3	pH	7.3 pH		
			PH									
18	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
20	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
21	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									
22	phenanthrene				0.08	mg/kg		0.072	mg/kg	0.0000072 %	✓	
		201-581-5	85-01-8									
23	anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7									
24	fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0									
25	pyrene				0.06	mg/kg		0.054	mg/kg	0.0000054 %	✓	
		204-927-3	129-00-0									
26	benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2									
34	sulfur { sulphur dichloride }				6.9	mg/kg	3.211	19.942	mg/kg	0.00199 %	✓	
	016-013-00-X	234-129-0	10545-99-0									
35	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186									
Total:										0.0552 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**

**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.00863%)

**Classification of sample: WS30---0.10**


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

**Sample details**

Sample name:	LoW Code:	
<b>WS30---0.10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>13%</b> (wet weight correction)		

**Hazard properties**

None identified

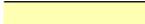
**Determinands**

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	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									
1	arsenic { arsenic trioxide }				21	mg/kg	1.32	24.122	mg/kg	0.00241 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	barium { barium chromate }				79	mg/kg	1.845	126.783	mg/kg	0.0127 %	✓	
		233-660-5	10294-40-3									
3	beryllium { beryllium oxide }				0.94	mg/kg	2.775	2.27	mg/kg	0.000227 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
4	boron { diboron trioxide }				0.8	mg/kg	3.22	2.241	mg/kg	0.000224 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
5	cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				24	mg/kg	1.462	35.077	mg/kg	0.00351 %		
		215-160-9	1308-38-9									
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
8	copper { dicopper oxide; copper (I) oxide }				17	mg/kg	1.126	16.652	mg/kg	0.00167 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
9	lead { lead chromate }			1	51	mg/kg	1.56	69.209	mg/kg	0.00444 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
10	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
11	nickel { nickel chromate }				13	mg/kg	2.976	33.662	mg/kg	0.00337 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
12	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				36	mg/kg	1.785	55.912	mg/kg	0.00559 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
14	zinc { zinc chromate }				62	mg/kg	2.774	149.637	mg/kg	0.015 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
15	TPH (C6 to C40) petroleum group				12	mg/kg		10.44	mg/kg	0.00104 %	✓	
			TPH									

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
17	pH				7.6 pH		7.6 pH	7.6 pH		
			PH							
18	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
20	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	phenanthrene				0.34 mg/kg		0.296 mg/kg	0.0000296 %	✓	
		201-581-5	85-01-8							
23	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
24	fluoranthene				0.94 mg/kg		0.818 mg/kg	0.0000818 %	✓	
		205-912-4	206-44-0							
25	pyrene				0.97 mg/kg		0.844 mg/kg	0.0000844 %	✓	
		204-927-3	129-00-0							
26	benzo[a]anthracene				0.49 mg/kg		0.426 mg/kg	0.0000426 %	✓	
	601-033-00-9	200-280-6	56-55-3							
27	chrysene				0.54 mg/kg		0.47 mg/kg	0.000047 %	✓	
	601-048-00-0	205-923-4	218-01-9							
28	benzo[b]fluoranthene				0.71 mg/kg		0.618 mg/kg	0.0000618 %	✓	
	601-034-00-4	205-911-9	205-99-2							
29	benzo[k]fluoranthene				0.25 mg/kg		0.218 mg/kg	0.0000218 %	✓	
	601-036-00-5	205-916-6	207-08-9							
30	benzo[a]pyrene; benzo[def]chrysene				0.55 mg/kg		0.479 mg/kg	0.0000479 %	✓	
	601-032-00-3	200-028-5	50-32-8							
31	indeno[123-cd]pyrene				0.32 mg/kg		0.278 mg/kg	0.0000278 %	✓	
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				0.34 mg/kg		0.296 mg/kg	0.0000296 %	✓	
		205-883-8	191-24-2							
34	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
35	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0532 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

barium chromate: (compound conc.: 0.0127%)

**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: 1000 mg/kg (0.1%)

because: No liquid phase, to lower concentration to be flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00104%)

**Classification of sample: WS30---0.60**

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

**Sample details**

Sample name:	LoW Code:
<b>WS30---0.60</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>10%</b> (wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				14 mg/kg	1.32	16.636 mg/kg	0.00166 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				67 mg/kg	1.845	111.233 mg/kg	0.0111 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.71 mg/kg	2.775	1.773 mg/kg	0.000177 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1 mg/kg	3.22	2.898 mg/kg	0.00029 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
		215-160-9	1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				7.8 mg/kg	1.126	7.904 mg/kg	0.00079 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	22 mg/kg	1.56	30.884 mg/kg	0.00198 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				9.8 mg/kg	2.976	26.251 mg/kg	0.00263 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				1.8 mg/kg	2.554	4.137 mg/kg	0.000414 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				33 mg/kg	1.785	53.02 mg/kg	0.0053 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				44 mg/kg	2.774	109.856 mg/kg	0.011 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
17	pH				7.2	pH		7.2	pH	7.2 pH		
			PH									
18	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
20	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
21	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									
22	phenanthrene				0.05	mg/kg		0.045	mg/kg	0.0000045 %	✓	
		201-581-5	85-01-8									
23	anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7									
24	fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0									
25	pyrene				0.06	mg/kg		0.054	mg/kg	0.0000054 %	✓	
		204-927-3	129-00-0									
26	benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2									
34	sulfur { sulphur dichloride }				7.3	mg/kg	3.211	21.098	mg/kg	0.00211 %	✓	
	016-013-00-X	234-129-0	10545-99-0									
35	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186									
Total:										0.0432 %		

**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 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 500 mg/kg (0.05%)**

**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

---

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

---

barium chromate: (compound conc.: 0.0111%)

## Appendix A: Classifier defined and non GB MCL determinands

### • **barium chromate** (EC Number: 233-660-5, CAS Number: 10294-40-3)

Description/Comments: Data from ECHA's C&L inventory database and Sigma Aldrich SDS Revision 6.2 dated 08/05/20

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/38286>

Data source date: 12 May 2020

Hazard Statements: Ox. Sol. 2; H272, Acute Tox. 4; H302, Acute Tox. 4; H332, Carc. 1B; H350

### • **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

### • **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

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

### • **salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex**

GB MCL index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

### • **pH** (CAS Number: PH)

Description/Comments: Appendix C4

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

### • **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

▪ **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)  
 Data source: CLP combined data  
 Data source date: 26 Mar 2019  
 Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds

### barium {barium chromate}

Worst case species selected

### beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics

### boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass

### cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history

### chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass

### chromium in chromium(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

### copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected.

**lead {lead chromate}**

Worst case CLP species based on hazard statements/molecular weight

**mercury {mercury dichloride}**

Worst case CLP species based on hazard statements/molecular weight

**nickel {nickel chromate}**

Worst case CLP species based on hazard statements/molecular weight

**selenium {nickel selenate}**

Worst case CLP species based on hazard statements/molecular weight

**vanadium {divanadium pentaoxide; vanadium pentoxide}**

Worst case species selected

**zinc {zinc chromate}**

Worst case CLP species based on hazard statements/molecular weight

**cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}**

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide]

**sulfur {sulphur dichloride}**

Worst case species selected

**Appendix C: Version**HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**

HazWasteOnline Classification Engine Version: 2024.267.6248.11446 (23 Sep 2024)

HazWasteOnline Database: 2024.267.6248.11446 (23 Sep 2024)

This classification utilises the following guidance and legislation:

**WM3 v1.2.GB - Waste Classification** - 1st Edition v1.2.GB - Oct 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**GB MCL List** - version 1.1 of 09 June 2021**GB MCL List v2.0** - version 2.0 of 20th October 2023**GB MCL List v3.0** - version 3.0 of 11th January 2024**GB MCL List v4.0** - version 4.0 of 2nd March 2024**GB MCL List v5.0** - version 5.0 of 26th June 2024

## **APPENDIX E**

### **Site Walkover Photographic Record**

