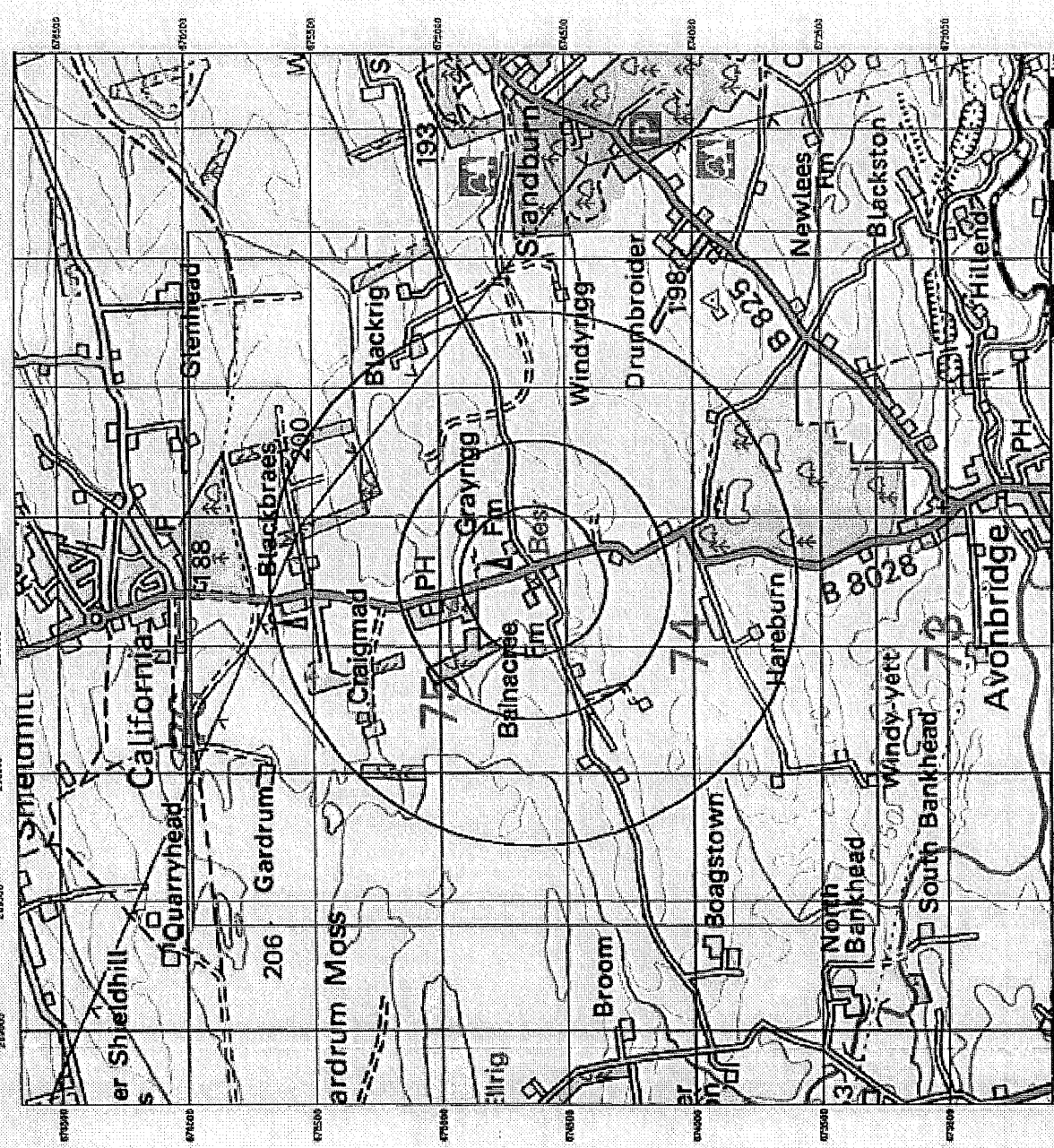




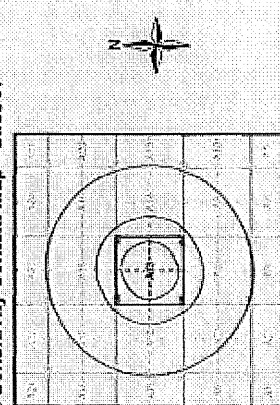
MASON EVANS PARTNERSHIP

Source Protection Zones

- General**
- Standard SW
 - Drain
 - Map ID
 - Spilled Bulb (N)
 - Existing Reference Point
- Agency and Hydrological**
- Source Protection Zone I
 - Source Protection Zone II
 - Source Protection Zone III
 - Zone of Special Interest
 - Source Protection Zone Darkish



Site Sensitivity Context Map - Slice A



Order Details

Order Number: 40061571_1_1
 Customer Ref: 03012/346
 National Grid Reference: 290750, 874030
 Slice: A
 Site Area (ha): 0.31
 Search Buffer (m): 1000

Site Details

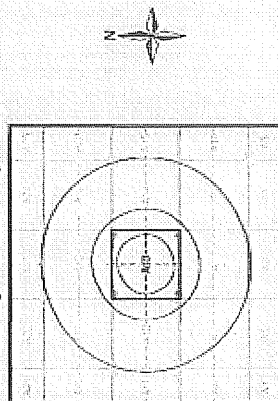
Grey Regia, California, Fiddak



Sensitive Land Uses

- General**
- ☐ Sensitive Site
 - ☐ Specified Pathway
 - ☐ Bearing Reference Point
 - ☐ Other
 - ☐ Map ID
- Sensitive Land Uses**
- ☐ Area of Adlected Green Belt
 - ☐ Area of Unadopted Green Belt
 - ☐ Environmentally Sensitive Area
 - ☐ Forest Park
 - ☐ Local Nature Reserve
 - ☐ Marine Nature Reserve
 - ☐ National Nature Reserve
 - ☐ National Park
 - ☐ National Scenic Area
 - ☐ National Strategic Area
 - ☐ Natural Monument Zone
 - ☐ Ramsar Site
 - ☐ Site of Special Scientific Interest
 - ☐ Special Area of Conservation
 - ☐ Special Protection Area

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 44016571.1.1
 Customer Ref: C2012356
 National Grid Reference: 200750, 674630
 Slice: A
 Site Area (Hect): 0.31
 Search Buffer (m): 1000

Site Details

Grey Eggs, California, Falkirk



Tel: 0244 544 2022
 Fax: 0244 544 6211
 Web: www.landmark.co.uk

APPENDIX 4

RECORDS OF EXPLORATORY HOLES

masonevans geo-environmental consultants The Piazza, 95 Morrison Street, Glasgow, G5 8BE t: 0141 420 2025 f: 0141 420 2057 e: mail@masonevans.co.uk w: www.masonevans.co.uk		Site Greyriggs Reservoir, California, Falkirk		Trial Pit No TP03	
		Client		Job No G2012/356	
Excavation Method	Trial Pit Dimensions 1.7m x 0.6m x 3m	Ground Level	Date 16-01-13 16-01-13	Sheet 1 of 1	
Contractor					

Depth	Sample/Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	DESCRIPTION	Legend
0.30	JAR & TUB				(0.30) 0.30	MADE GROUND: Brown sandy gravelly clay topsoil with fragments of plastic and some roots.	
					(0.20) 0.50	Dark brown mottled orange and grey sandy gravelly CLAY with some plant roots.	
1.00	JAR & TUB				(1.95)	MADE GROUND: Firm dark grey and brown sandy slightly gravelly clay with occasional pockets of buried vegetation, occasional buried tree branches and one piece of blue plastic. At 1.60 m: Medium water ingress. At 2.20m: Medium water ingress and many cobbles.	
1.90	JAR & TUB				2.45		
2.80	TUB				(0.55) 3.00	Firm grey slightly sandy slightly gravelly CLAY.	

Remarks

1. Strength and density characteristics assessed by visual inspection of the on-site engineer only.
2. Pit terminated at 3.00 m.
3. Medium water ingress at 1.60 m and 2.00 m.
4. Pit sides were stable.

Plan

All dimensions in metres
Scale 1:25

Logged By
MF

masonevans

geo-environmental consultants

The Piazza, 95 Morrison Street, Glasgow, G5 8BE
 t: 0141 420 2025 f: 0141 420 2057
 e: mail@masonevans.co.uk w: www.masonevans.co.uk

Site

Greyriggs Reservoir, California, Falkirk

Trial Pit No

TP08

Client

Job No

G2012/356

Excavation Method

Trial Pit Dimensions

1.7m x 0.6m x 2.9m

Ground Level

Date

 16-01-13
 16-01-13

Sheet

1 of 1

Contractor

Depth	Sample/Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	DESCRIPTION	Legend
0.30	JAR & TUB				0.05 (0.65)	MADE GROUND: Brown slightly sandy gravelly clay topsoil with traces of glass and some roots. Firm brown mottled orange and dark grey sandy gravelly CLAY with occasional cobbles.	
1.00	JAR & TUB				0.70 (0.40)	Firm dark grey with occasional orange mottling sandy slightly gravelly CLAY with some cobbles and occasional orange plant roots.	
2.10	JAR & TUB				1.10 (1.80)	Stiff dark grey sandy slightly gravelly CLAY with occasional cobbles. At 1.50 m: Medium water ingress.	
					2.90		

Remarks

1. Strength and density characteristics assessed by visual inspection of the on-site engineer only.
2. Pit terminated at 2.90 m.
3. Medium water ingress at 1.50 m.
4. Pit sides were stable.

Plan

All dimensions in metres
 Scale 1:25

Logged By

MF



DAILY RETURN
(Drilling)

GB Land Engineering Limited

Sheet No.	1
Date	Wednesday 16/01/2013
Contract Name	GREYRIGGS RESERVOIRS
Contract No.	7034
Working Day No.	1

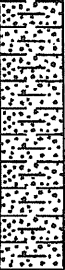
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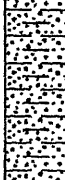
Signed By GBLE Limited Wilson Stallard
Signed By Client

Date 16/01/2013
Date

Client Copy
Q.S. Copy
Site Copy

NO CLAIM CAN BE ACCEPTED UNLESS REPORTED IN WRITING WITHIN 14 DAYS OF THIS RETURN

 AITKEN LABORATORIES LTD							Site GREYRIGGS, CALIFORNIA		Borehole Number BH C1	
Boring Method TERRIER RIG		Casing Diameter		Ground Level (mOD)		Client		Job Number J133		
		Location		Dates 18/01/2013		Engineer MASON EVANS PARTNERSHIP		Sheet 1/1		
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.60-1.20	B1					(0.10) 0.10	TOPSOIL Firm consistency mottled brown and grey sandy gravelly CLAY with cobbles. Gravel content is fine to coarse			
1.20-2.00	U2					(2.20)				
2.00-2.80	U3			18/01/2013: DRY		2.30 (0.50) 2.80	Stiff consistency brown sandy gravelly CLAY with cobbles. Gravel content is fine to coarse #OBSTRUCTION (Bedrock or boulder) Complete at 2.80m			
Remarks # Denotes drillers' description A 50mm diameter standpipe was installed at a depth of 2.80m Excavating from 0.00m to 1.20m for 1 hour.							Scale (approx) 1:50	Logged By DH	Figure No. J133.BH C1	

 AITKEN LABORATORIES LTD						Site GREYRIGGS, CALIFORNIA		Borehole Number BH C2	
Boring Method TERRIER RIG		Casing Diameter		Ground Level (mOD)		Client		Job Number J133	
		Location		Dates 18/01/2013		Engineer MASON EVANS PARTNERSHIP		Sheet 1/1	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
1.20-1.65	SPT N=4			1,1/1,1,1,1		(0.10) 0.10	TOPSOIL		
1.20-1.65	B1					(1.60)	Soft consistency mottled grey sandy gravelly CLAY with cobbles. Gravel content is fine to coarse		
1.70-1.90	B2			18/01/2013: DRY		1.70 (0.20) 1.90	Brown sandy gravelly CLAY. Gravel content is fine to coarse		
							#OBSTRUCTION (Bedrock or boulder)		
							Complete at 1.90m		

Remarks # Denotes drillers' description Excavating from 0.00m to 1.20m for 1 hour.		Scale (approx) 1:50	Logged By DH
		Figure No. J133.BH C2	

 AITKEN LABORATORIES LTD							Site GREYRIGGS, CALIFORNIA		Borehole Number BH C3	
Boring Method TERRIER RIG		Casing Diameter		Ground Level (mOD)		Client		Job Number J133		
		Location		Dates 18/01/2013		Engineer MASON EVANS PARTNERSHIP		Sheet 1/1		
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.60-1.20	B1					(0.10) 0.10	TOPSOIL			
1.20-1.65 1.20-1.65	SPT N=8 B2			1,1/2,2,1,3		(1.40)	Soft consistency mottled brown sandy slightly gravelly CLAY. Gravel content is fine to coarse			
2.00-2.30 2.00-2.30	SPT 62/150 B3			6,5/12,50 18/01/2013: DRY		1.50 (0.80)	Stiff consistency brown sandy gravelly CLAY with cobbles. Gravel content is fine to coarse			
						2.30	#OBSTRUCTION (Bedrock or boulder) Complete at 2.30m			

Remarks A 50mm diameter standpipe was installed at a depth of 2.30m # Denotes drillers' description Excavating from 0.00m to 1.20m for 1 hour.								Scale (approx) 1:50	Logged By DH
								Figure No. J133.BH C3	



DAILY RETURN
(Drilling)

GB Land Engineering Limited

Sheet No.	1
Date	Wednesday 16/01/2013
Contract Name	GREYRIGGS RESERVOIRS
Contract No.	7034
Working Day No.	1

[illegible]

Signed By GBLE Limited Wilson Stallard
Signed By Client

Date 16/01/2013
Date

	Client Copy
	Q.S. Copy
	Site Copy

NO CLAIM CAN BE ACCEPTED UNLESS REPORTED IN WRITING WITHIN 14 DAYS OF THIS RETURN

APPENDIX 5**CHEMICAL LABORATORY ANALYSIS RESULTS**



2139

Certificate of Analysis

Date: 01/02/2013

Certificate Number: 13-74635

Client: Mason Evans Partnership
95 Morrison Street
Glasgow
G5 8BE

Our Reference: 13-74635

Client Reference: G2012/356

Contract Title: Greyriggs Reservoir, Falkirk

Description: 4 leachate samples
10 soil samples

Date Received: 23 January 2013

Date Started: 24 January 2013

Date Completed: 01 February 2013

Test Procedures: Identified by prefix DETSn (details on request), Asbestos Analysis (DETS 082).

Notes: Observations and interpretations are outside the scope of UKAS accreditation

Approved By: 
Rob Brown, Business Manager

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Information in Support of the Analytical Results

Analysis

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425um sieve, in accordance with BS1377.

Organic soil analysis was carried out on an 'as received' sample.

Key

- * Denotes test not included in laboratory scope of accreditation
- # Denotes test that holds MCERTS accreditation, however, MCERTS accreditation is only implied if the report carries the MCERTS logo
- \$ Denotes tests completed by an approved subcontractor
- I/S Denotes insufficient sample to carry out test
- U/S Denotes that the sample is not suitable for testing

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month

Liquids - 2 weeks

Asbestos (test portion) - 6 months

Summary of Chemical Analysis Soil Samples

Our Ref: 13-74635

Client Ref: G2012/356

Contract Title: Greyriggs Reservoir, Falkirk

				Lab No.	478347	478348	478350	478351	478352
				Sample ID	TP1	TP2	TP3	TP4	TP5
				Depth	0.9	0.4	1	1.2	0.4
				Sample Ref					
				Sample Type					
				Sampling Date	16/01/2013	16/01/2013	16/01/2013	16/01/2013	16/01/2013
				Sampling Time					
Test	Units	DETSxx	LOD						
Moisture Content	%	DETS 046*	0.1			31	34		34
Arsenic	mg/kg	DETS 042#	0.2			2.3	2.6		2.1
Cadmium	mg/kg	DETS 042#	0.1			0.4	0.4		0.4
Chromium	mg/kg	DETS 042#	0.15			24	16		24
Hexavalent Chromium	mg/kg	DETS 2204*	1			< 1.0	< 1.0		< 1.0
Copper	mg/kg	DETS 042#	0.2			19	15		19
Lead	mg/kg	DETS 042#	0.3			17	31		17
Mercury	mg/kg	DETS 2325	0.05			< 0.05	0.08		< 0.05
Nickel	mg/kg	DETS 042#	1			24	13		23
Selenium	mg/kg	DETS 042#	0.5			< 0.5	< 0.5		< 0.5
Zinc	mg/kg	DETS 042#	1			52	48		46
Boron (water soluble)	mg/kg	DETS 020#	0.2			1.1	1.5		0.8
Cyanide total	mg/kg	DETS 2130#	0.1			0.2	0.2		0.1
Sulphide	mg/kg	DETS 2024#	10			12	< 10.0		< 10.0
Total Sulphate as SO4	%	DETS 2321#	0.01			0.02	0.04		0.02
Sulphate Aqueous Extract as SO4	mg/l	DETS 2076#	10	14				16	
Total Organic Carbon	%	DETS 2084#	0.5			2.1	2.6		1.8
pH		DETS 2008#		7		7.3	6.8	6.9	6.8
Aliphatic C5-C6	mg/kg	DETS 3321*	0.01			< 0.01	< 0.01		< 0.01
Aliphatic C6-C8	mg/kg	DETS 3321*	0.01			< 0.01	< 0.01		< 0.01
Aliphatic C8-C10	mg/kg	DETS 3321*	0.01			0.35	0.09		< 0.01
Aliphatic C10-C12	mg/kg	DETS 3072#	1.5			< 1.5	< 1.5		< 1.5
Aliphatic C12-C16	mg/kg	DETS 3072#	1.2			< 1.2	< 1.2		< 1.2
Aliphatic C16-C21	mg/kg	DETS 3072#	1.5			< 1.5	< 1.5		< 1.5
Aliphatic C21-C35	mg/kg	DETS 3072#	3.4			7.6	< 3.4		< 3.4
Aromatic C5-C7	mg/kg	DETS 3321*	0.01			< 0.01	< 0.01		< 0.01
Aromatic C7-C8	mg/kg	DETS 3321*	0.01			< 0.01	< 0.01		< 0.01
Aromatic C8-C10	mg/kg	DETS 3321*	0.01			< 0.01	< 0.01		< 0.01
Aromatic C10-C12	mg/kg	DETS 3072#	0.9			< 0.9	< 0.9		< 0.9
Aromatic C12-C16	mg/kg	DETS 3072#	0.5			< 0.5	< 0.5		< 0.5
Aromatic C16-C21	mg/kg	DETS 3072#	0.6			1.2	1		< 0.6
Aromatic C21-C35	mg/kg	DETS 3072#	1.4			3.3	< 1.4		< 1.4
Aliphatic C5-C35	mg/kg	DETS 3072*	10			< 10	< 10		< 10
Aromatic C5-C35	mg/kg	DETS 3072*	10			< 10	< 10		< 10
TPH Ali/Aro	mg/kg	DETS 3072*	10			13	< 10		< 10
Acenaphthene	mg/kg	DETS 3301	0.1			0.1	< 0.1		< 0.1
Acenaphthylene	mg/kg	DETS 3301	0.1			< 0.1	< 0.1		< 0.1
Anthracene	mg/kg	DETS 3301	0.1			< 0.1	< 0.1		< 0.1
Benzo(a)anthracene	mg/kg	DETS 3301	0.1			< 0.1	< 0.1		< 0.1
Benzo(a)pyrene	mg/kg	DETS 3301	0.1			< 0.1	< 0.1		< 0.1
Benzo(b)fluoranthene	mg/kg	DETS 3301	0.1			< 0.1	< 0.1		< 0.1
Benzo(k)fluoranthene	mg/kg	DETS 3301	0.1			< 0.1	< 0.1		< 0.1
Benzo(g,h,i)perylene	mg/kg	DETS 3301	0.1			< 0.1	< 0.1		< 0.1

Summary of Chemical Analysis

Soil Samples

Our Ref: 13-74635

Client Ref: G2012/356

Contract Title: Greyriggs Reservoir, Falkirk

				Lab No.	478354	478355	478356
				Sample ID	TP5	TP06	TP6
				Depth	2.5	0.3	1
				Sample Ref			
				Sample Type			
				Sampling Date	16/01/2013	16/01/2013	16/01/2013
				Sampling Time			
Test	Units	DETSxx	LOD				
Moisture Content	%	DETS 046*	0.1			22	
Arsenic	mg/kg	DETS 042#	0.2			2.2	
Cadmium	mg/kg	DETS 042#	0.1			0.5	
Chromium	mg/kg	DETS 042#	0.15			23	
Hexavalent Chromium	mg/kg	DETSC 2204*	1			< 1.0	
Copper	mg/kg	DETS 042#	0.2			19	
Lead	mg/kg	DETS 042#	0.3			15	
Mercury	mg/kg	DETSC 2325	0.05			< 0.05	
Nickel	mg/kg	DETS 042#	1			23	
Selenium	mg/kg	DETS 042#	0.5			< 0.5	
Zinc	mg/kg	DETS 042#	1			55	
Boron (water soluble)	mg/kg	DETS 020#	0.2			1	
Cyanide total	mg/kg	DETSC 2130#	0.1			< 0.1	
Sulphide	mg/kg	DETSC 2024#	10			< 10.0	
Total Sulphate as SO4	%	DETSC 2321#	0.01			0.02	
Sulphate Aqueous Extract as SO4	mg/l	DETSC 2076#	10		23		14
Total Organic Carbon	%	DETSC 2084#	0.5			1.5	
pH		DETSC 2008#			8.1	7.4	7.8
Aliphatic C5-C6	mg/kg	DETSC 3321*	0.01			< 0.01	
Aliphatic C6-C8	mg/kg	DETSC 3321*	0.01			< 0.01	
Aliphatic C8-C10	mg/kg	DETSC 3321*	0.01			< 0.01	
Aliphatic C10-C12	mg/kg	DETSC 3072#	1.5			< 1.5	
Aliphatic C12-C16	mg/kg	DETSC 3072#	1.2			< 1.2	
Aliphatic C16-C21	mg/kg	DETSC 3072#	1.5			< 1.5	
Aliphatic C21-C35	mg/kg	DETSC 3072#	3.4			< 3.4	
Aromatic C5-C7	mg/kg	DETSC 3321*	0.01			< 0.01	
Aromatic C7-C8	mg/kg	DETSC 3321*	0.01			< 0.01	
Aromatic C8-C10	mg/kg	DETSC 3321*	0.01			< 0.01	
Aromatic C10-C12	mg/kg	DETSC 3072#	0.9			< 0.9	
Aromatic C12-C16	mg/kg	DETSC 3072#	0.5			< 0.5	
Aromatic C16-C21	mg/kg	DETSC 3072#	0.6			< 0.6	
Aromatic C21-C35	mg/kg	DETSC 3072#	1.4			< 1.4	
Aliphatic C5-C35	mg/kg	DETSC 3072*	10			< 10	
Aromatic C5-C35	mg/kg	DETSC 3072*	10			< 10	
TPH Ali/Aro	mg/kg	DETSC 3072*	10			< 10	
Acenaphthene	mg/kg	DETSC 3301	0.1			< 0.1	
Acenaphthylene	mg/kg	DETSC 3301	0.1			< 0.1	
Anthracene	mg/kg	DETSC 3301	0.1			< 0.1	
Benzo(a)anthracene	mg/kg	DETSC 3301	0.1			< 0.1	
Benzo(a)pyrene	mg/kg	DETSC 3301	0.1			< 0.1	
Benzo(b)fluoranthene	mg/kg	DETSC 3301	0.1			< 0.1	
Benzo(k)fluoranthene	mg/kg	DETSC 3301	0.1			< 0.1	
Benzo(g,h,i)perylene	mg/kg	DETSC 3301	0.1			< 0.1	

Summary of Chemical Analysis

Soil Samples

Our Ref: 13-74635

Client Ref: G2012/356

Contract Title: Greyriggs Reservoir, Falkirk

				Lab No.	478347	478348	478350	478351	478352
				Sample ID	TP1	TP2	TP3	TP4	TP5
				Depth	0.9	0.4	1	1.2	0.4
				Sample Ref					
				Sample Type					
				Sampling Date	16/01/2013	16/01/2013	16/01/2013	16/01/2013	16/01/2013
				Sampling Time					
Test	Units	DETSxx	LOD						
Chrysene	mg/kg	DETSC 3301	0.1			< 0.1	< 0.1		< 0.1
Dibenzo(a,h)anthracene	mg/kg	DESTC 3301	0.1			< 0.1	< 0.1		< 0.1
Fluoranthene	mg/kg	DETSC 3301	0.1			< 0.1	< 0.1		< 0.1
Fluorene	mg/kg	DETSC 3301	0.1			0.1	< 0.1		< 0.1
Indeno(1,2,3-c,d)pyrene	mg/kg	DETSC 3301	0.1			< 0.1	< 0.1		< 0.1
Naphthalene	mg/kg	DETSC 3301	0.1			< 0.1	< 0.1		< 0.1
Phenanthrene	mg/kg	DETSC 3301	0.1			< 0.1	< 0.1		< 0.1
Pyrene	mg/kg	DETSC 3301	0.1			< 0.1	< 0.1		< 0.1
PAH	mg/kg	DETSC 3301	1.6			< 1.6	< 1.6		< 1.6
Phenol - Monohydric	mg/kg	DETSC 2130#	0.3			< 0.3	< 0.3		< 0.3

Summary of Chemical Analysis Soil Samples

Our Ref: 13-74635

Client Ref: G2012/356

Contract Title: Greyriggs Reservoir, Falkirk

				Lab No.	478354	478355	478356
				Sample ID	TP5	TP06	TP6
				Depth	2.5	0.3	1
				Sample Ref			
				Sample Type			
				Sampling Date	16/01/2013	16/01/2013	16/01/2013
				Sampling Time			
Test	Units	DETSxx	LOD				
Chrysene	mg/kg	DETS 3301	0.1			< 0.1	
Dibenzo(a,h)anthracene	mg/kg	DETC 3301	0.1			< 0.1	
Fluoranthene	mg/kg	DETS 3301	0.1			< 0.1	
Fluorene	mg/kg	DETS 3301	0.1			< 0.1	
Indeno(1,2,3-c,d)pyrene	mg/kg	DETS 3301	0.1			< 0.1	
Naphthalene	mg/kg	DETS 3301	0.1			< 0.1	
Phenanthrene	mg/kg	DETS 3301	0.1			< 0.1	
Pyrene	mg/kg	DETS 3301	0.1			< 0.1	
PAH	mg/kg	DETS 3301	1.6			< 1.6	
Phenol - Monohydric	mg/kg	DETS 2130#	0.3			< 0.3	

Summary of Chemical Analysis Soil Samples

Our Ref: 13-74635

Client Ref: G2012/356

Contract Title: Greyriggs Reservoir, Falkirk

				Lab No.	478349	478353
				Sample ID	TP2	TP5
				Depth	0.9	1.1
				Sample Ref		
				Sample Type		
				Sampling Date	16/01/2013	16/01/2013
				Sampling Time		
Test	Units	DETSxx	LOD			
Conductivity	uS/cm	DETSC 2009	1		230	190
Redox Potential	mV	DETS 058*	-500		190	120
pH		DETSC 2008#			8.0	6.9
Mineral Oil C11-C20	mg/kg	DETSC 3072	10		< 10	14
Mineral Oil C20-C40	mg/kg	DETSC 3072	10		< 10	44
Total VOC's	mg/kg	DETSC3431*	0.01		0.04	0.13
BTEX + MTBE	mg/kg	DETSC3431*	0.01		<0.01	0.06
Total SVOC's	mg/kg	DETSC3431*	0.1		<0.1	<0.1
Phenol	mg/kg	DETSC071*	0.1		<0.1	<0.1
Cresols and Chlorinated Phenols	mg/kg	DETSC071*	0.1		<0.1	<0.1
TIC's to include Ethers, Ketones, Aldehydes and Amines		DETSC3431*			None Detected	None Detected

Sample Comments

DETS cannot be held responsible for the integrity of sample(s) received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and international standards and laboratory trials in conjunction with the UKAS note "Guidance on Deviating Samples".

All samples received are listed below. However, those samples that have additional comments in relation to hold time and/or inappropriate containers are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations.

If no sampled date (soils) or date/time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters), this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Lab No.	Sample ID	Date Sampled	Containers Received	Deviating due to holding time being exceeded for test	Deviating due to inappropriate container for test
478347	TP1 0.90 SOIL	16/01/2013	Glass Jar 250ml or less (250ml), Plastic Tub 1 litre (1kg)		
478348	TP2 0.40 SOIL	16/01/2013	Plastic Tub 1 litre (1kg)		
478349	TP2 0.90 SOIL	16/01/2013	Glass Jar 250ml or less (250ml), Plastic Tub 1 litre (1kg)		
478350	TP3 1.00 SOIL	16/01/2013	Glass Jar 250ml or less (250ml), Plastic Tub 1 litre (1kg)		
478351	TP4 1.20 SOIL	16/01/2013	Glass Jar 250ml or less (250ml), Plastic Tub 1 litre (1kg)		
478352	TP5 0.40 SOIL	16/01/2013	Glass Jar 250ml or less (250ml), Plastic Tub 1 litre (1kg)		
478353	TP5 1.10 SOIL	16/01/2013	Glass Jar 250ml or less (250ml), Plastic Tub 1 litre (1kg)		
478354	TP5 2.50 SOIL	16/01/2013	Glass Jar 250ml or less (250ml), Plastic Tub 1 litre (1kg)		
478355	TP06 0.30 SOIL	16/01/2013	Glass Jar 250ml or less (250ml), Plastic Tub 1 litre (1kg)		



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478356	TP6 1.00 SOIL	16/01/2013	Glass Jar 250ml or less (250ml), Plastic Tub 1 litre (1kg)
478357	TP2 0.40 LEACHATE	16/01/2013	Glass Jar 1 litre (1 litre)
478358	TP3 1.00 LEACHATE	16/01/2013	Glass Jar 1 litre (1 litre)
478359	TP5 0.40 LEACHATE	16/01/2013	Glass Jar 1 litre (1 litre)
478360	TP06 0.30 LEACHATE	16/01/2013	Glass Jar 1 litre (1 litre)

Summary of Chemical Analysis

Leachate Samples

Our Ref: 13-74635

Client Ref: G2012/356

Contract Title: Greyriggs Reservoir, Falkirk

				Lab No.	478357	478358	478359	478360
				Sample ID	TP2	TP3	TP5	TP06
				Depth	0.4	1	0.4	0.3
				Sample Ref				
				Sample Type				
				Sampling Date	16/01/2013	16/01/2013	16/01/2013	16/01/2013
				Sampling Time				
Test	Units	DETSxx	LOD					
BS EN 12457 2:1		DETS 036*		Y	Y	Y	Y	
Arsenic, Dissolved	ug/l	DETSC 2306	0.16	< 0.16	0.42	< 0.16	< 0.16	
Cadmium, Dissolved	ug/l	DETSC 2306	0.03	< 0.030	< 0.030	< 0.030	< 0.030	
Chromium, Dissolved	ug/l	DETSC 2306	0.25	< 0.25	0.86	< 0.25	< 0.25	
Copper, Dissolved	ug/l	DETSC 2306	0.4	< 0.40	4.6	< 0.40	< 0.40	
Lead, Dissolved	ug/l	DETSC 2306	0.09	< 0.090	1	< 0.090	0.1	
Mercury, Dissolved	ug/l	DETSC 2306	0.01	< 0.010	< 0.010	< 0.010	< 0.010	
Nickel, Dissolved	ug/l	DETSC 2306	0.5	< 0.50	1.2	< 0.50	< 0.50	
Selenium, Dissolved	ug/l	DETSC 2306	0.25	< 0.25	< 0.25	< 0.25	< 0.25	
Zinc, Dissolved	ug/l	DETSC 2306	1.25	< 1.3	5.3	< 1.3	2.4	
Sulphate as SO4	mg/l	DETSC 2055	0.1	1.1	1.6	1.3	1.8	
Sulphide	ug/l	DETSC 2208	10	< 10	< 10	< 10	< 10	
Phenol	ug/l	DETS 079*	0.5	< 0.50	< 0.50	< 0.50	< 0.50	

Summary of Asbestos Analysis**Soil Samples**

Our Ref: 13-74635

Client Ref: G2012/356

Contract Title: Greyriggs Reservoir, Falkirk

Lab No	Sample Ref	Material Type*	Result	Comment	Analyst
478348	TP2 0.40	Soil	NAD	na	Colin Patrick
478350	TP3 1.00	Soil	NAD	na	Colin Patrick
478352	TP5 0.40	Soil	NAD	na	Colin Patrick
478355	TP06 0.30	Soil	NAD	na	Colin Patrick

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. NAD = No Asbestos Detected. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETS 082 using polarised light microscopy in accordance with HSG248 and documented in-house methods. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'.

APPENDIX 6**GAS/GROUNDWATER MONITORING RESULTS**