



Final Report

Report Number: 15-21159 Issue-1

Initial Date of Issue: 18-Sep-2015

Client: Soil Investigation (Eastern) Ltd

Client Address: Felford Cottage
Back Lane
Ford End
Chelmsford
Essex
CM3 1LG

Contact(s): Sandra Brown

Project: BG2578 - Arc Car Wash, South Shields, NE34

Quotation No.: **Date Received:** 14-Sep-2015


Order No.: **Date Instructed:** 11-Sep-2015

No. of Samples: 3

Turnaround: (Wkdays) 5 **Results Due Date:** 17-Sep-2015

Date Approved: 18-Sep-2015

Approved By:



Details: Robert Monk, Technical Development
Chemist

Project: BG2578 - Arc Car Wash, South Shields, NE34

Client: Soil Investigation (Eastern) Ltd	Chemtest Job No.:				15-21159	15-21159	15-21159
Quotation No.:	Chemtest Sample ID.:				191186	191187	191188
Order No.:	Client Sample Ref.:				BH1	BH2	S3
	Client Sample ID.:				BH1	BH2	S3
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				0.5	0.5	0.5
	Bottom Depth(m):						
	Date Sampled:				02-Sep-15	02-Sep-15	02-Sep-15
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192			Cement	-	-
Asbestos Identification	U	2192			Chrysotile	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.02	19	22	20
Stones	N	2030	%	0.02	< 0.020	< 0.020	< 0.020
pH	U	2010			8.4	8.2	8.2
Boron (Hot Water Soluble)	U	2120	mg/kg	0.4	1.1	1.5	1.5
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.01	1.4	0.091	0.053
Cyanide (Free)	U	2300	mg/kg	0.5	< 0.50	< 0.50	< 0.50
Cyanide (Total)	U	2300	mg/kg	0.5	< 0.50	< 0.50	< 0.50
Thiocyanate	U	2300	mg/kg	5	< 5.0	< 5.0	< 5.0
Sulphide (Easily Liberatable)	U	2325	mg/kg	0.5	14	2.8	4.0
Sulphate (Total)	U	2430	%	0.01	1.4	0.10	0.068
Arsenic	U	2450	mg/kg	1	16	13	9.4
Cadmium	U	2450	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Chromium	U	2450	mg/kg	1	23	41	43
Copper	U	2450	mg/kg	0.5	39	22	20
Mercury	U	2450	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.5	26	24	27
Lead	U	2450	mg/kg	0.5	40	51	38
Selenium	U	2450	mg/kg	0.2	0.33	0.28	0.29
Zinc	U	2450	mg/kg	0.5	56	56	49
Chromium (Hexavalent)	N	2490	mg/kg	0.5	< 0.50	< 0.50	< 0.50
Organic Matter	U	2625	%	0.4	2.1	2.6	2.4
Total TPH >C6-C40	U	2670	mg/kg	10	14	< 10	< 10
Naphthalene	U	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.1	2.1	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.1	0.54	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.1	3.4	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.1	2.4	< 0.10	< 0.10

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Benzo[a]anthracene	U	2700	mg/kg	0.1	1.3	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.1	2.3	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.1	1.8	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.1	0.96	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.1	1.3	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.1	0.76	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.1	0.89	< 0.10	< 0.10
Total Of 16 PAH's	U	2700	mg/kg	2	18	< 2.0	< 2.0
Total Phenols	U	2920	mg/kg	0.3	< 0.30	< 0.30	< 0.30

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at our Coventry laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 60 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk