

ALS Environmental Ltd
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Mr Lampshire
Council of the Isles of Scilly
Technical Services Department
Council of The Isles of Scilly
Town Hall
St Mary's TR21 0LW
Cornwall

08 December 2014

Test Report: COV/1151739/2014

Dear Mr Lampshire

Analysis of your sample(s) submitted on 28 November 2014 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

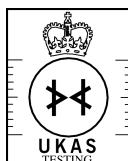
Signed: 

Name: A. Horobin

Title: Organic Operations Manager



Report Summary



1314
0897
4409



**Mr Peter Lampshire
Council of the Isles of Scilly
Technical Services Department
Council of The Isles of Scilly
Town Hall
St Mary's
Cornwall
TR21 0LW**

Date of Issue: **08 December 2014**

Report Number: **COV/1151739/2014**

Issue **1**

Job Description: Incinerator Analysis

Job Location: Porthmellon Waste Site

Number of Samples
included in this report **1**

Job Received: **28 November 2014**

Number of Test Results
included in this report **48**

Analysis Commenced: **01 December 2014**

Signed: *A I Horobin*

Name: **A. Horobin**

Date: **08 December 2014**

Title: **Organic Operations Manager**

ALS Environmental Ltd was not responsible for sampling unless otherwise stated. Sampling is not covered by our UKAS accreditation.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

This communication has been sent to you by ALS Environmental Ltd. Registered in England and Wales. Registration No. 02148934. Registered Office: ALS Environmental Limited, Torrington Avenue, Coventry, CV4 9GU.

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Certificate of Analysis



Report Number: **COV/1151739/2014**

Issue **1**

Laboratory Number: **14361800**

Sample **1** of **1**

Sample Source: **Council of the Isles of Scilly**

Sample Point Description:

Sample Description: **Bottom Ash sample**

Sample Matrix: **Ash**

Sample Date/Time: **25 November 2014 17:10**

Sample Received: **28 November 2014**

Analysis Complete: **08 December 2014**

Test Description	Result	Units	Analysis Date	Accreditation		Method
Thallium as Tl, Dry Weight	<5.0	mg/kg	08/12/2014	N	S	SUBCON
Antimony as Sb, dry weight	53	mg/kg	02/12/2014	N	Cov	30C
Arsenic as As, dry weight	8.0	mg/kg	02/12/2014	Y	Cov	30/30C
Cadmium as Cd, dry weight	0.54	mg/kg	02/12/2014	Y	Cov	30
Chromium as Cr, dry weight	38	mg/kg	02/12/2014	Y	Cov	30
Cobalt as Co, dry weight	98	mg/kg	02/12/2014	Y	Cov	30
Lead as Pb, dry weight	720	mg/kg	02/12/2014	Y	Cov	30
Manganese as Mn, dry weight	410	mg/kg	02/12/2014	Y	Cov	30
Mercury as Hg, dry weight	<0.60	mg/kg	02/12/2014	Y	Cov	30C
Nickel as Ni, dry weight	120	mg/kg	02/12/2014	Y	Cov	30
Vanadium as V, dry weight	42	mg/kg	02/12/2014	Y	Cov	30
Zinc as Zn, dry weight	1200	mg/kg	02/12/2014	Y	Cov	30
Alkali Reserve	0.30	gNaOH/100g	05/12/2014	N	Cov	WSM011
TOC, NG Method	<1000	mg/kg	02/12/2014	N	Cov	36
pH	11.9	pH units	02/12/2014	Y	Cov	39
Aliphatic VPH >C6 - C8	<2.5	mg/kg	03/12/2014	Y	Cov	304
Aliphatic VPH >C8 - C10	<2.5	mg/kg	03/12/2014	Y	Cov	304
Aliphatic EPH >C10 - C12	23	mg/kg	03/12/2014	Y	Cov	317EPH
Aliphatic EPH >C12 - C16	140	mg/kg	03/12/2014	Y	Cov	317EPH
Aliphatic EPH >C16 - C21	230	mg/kg	03/12/2014	Y	Cov	317EPH
Aliphatic EPH >C21 - C40	100	mg/kg	03/12/2014	Y	Cov	317EPH
Aliphatic EPH >C6 - C40	490	mg/kg	03/12/2014	Y	Cov	304/317EPH
Aromatic VPH >C5 - C7	<0.25	mg/kg	03/12/2014	Y	Cov	304
Aromatic VPH >C7 - C8	<0.25	mg/kg	03/12/2014	Y	Cov	304
Aromatic VPH >C8 - C10	<2.5	mg/kg	03/12/2014	Y	Cov	304
Aromatic EPH >C10 - C12	8.0	mg/kg	03/12/2014	Y	Cov	317EPH
Aromatic EPH >C12 - C16	48	mg/kg	03/12/2014	Y	Cov	317EPH
Aromatic EPH >C16 - C21	68	mg/kg	03/12/2014	Y	Cov	317EPH
Aromatic EPH >C21 - C40	39	mg/kg	03/12/2014	Y	Cov	317EPH
Aromatic VPH/EPH >C6 - C40	160	mg/kg	03/12/2014	Y	Cov	304/317EPH
EPH >C6 - C40	650	mg/kg	03/12/2014	Y	Cov	304/317EPH
Naphthalene	<0.10	mg/kg	03/12/2014	N	Cov	307

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Certificate of Analysis



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Laboratory Number: **14361800**

Issue **1**

Sample **1** of **1**

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Sample Point Description:

Sample Description: **Bottom Ash sample**

Sample Matrix: **Ash**

Sample Date/Time: **25 November 2014 17:10**

Sample Received: **28 November 2014**

Analysis Complete: **08 December 2014**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Acenaphthylene	<0.10	mg/kg	03/12/2014	N Cov	307
Acenaphthene	<0.10	mg/kg	03/12/2014	Y Cov	307
Fluorene	<0.10	mg/kg	03/12/2014	Y Cov	307
Phenanthrene	<0.10	mg/kg	03/12/2014	Y Cov	307
Anthracene	<0.10	mg/kg	03/12/2014	Y Cov	307
Fluoranthene	<0.10	mg/kg	03/12/2014	Y Cov	307
Pyrene	<0.10	mg/kg	03/12/2014	Y Cov	307
Benzo(a)anthracene	<0.10	mg/kg	03/12/2014	Y Cov	307
Chrysene	<0.10	mg/kg	03/12/2014	Y Cov	307
Benzo(b)fluoranthene	<0.10	mg/kg	03/12/2014	Y Cov	307
Benzo(k)fluoranthene	<0.10	mg/kg	03/12/2014	Y Cov	307
Benzo(a)pyrene	<0.10	mg/kg	03/12/2014	Y Cov	307
Dibenz(a,h)anthracene	<0.10	mg/kg	03/12/2014	Y Cov	307
Benzo(g,h,i)perylene	<0.10	mg/kg	03/12/2014	Y Cov	307
Indeno(1,2,3-c,d)pyrene	<0.10	mg/kg	03/12/2014	Y Cov	307
PAH, Total of 16 EPA	<1.0	mg/kg	03/12/2014	N Cov	307

Analyst Comments for 14361800:

This sample has been analysed for VPH soils method 304 outside recommended stability times. It is therefore possible that the results provided may be compromised. {*/}Incorrect sample container received for EPH soils, testing performed on subsample from plastic. Therefore, the EPH soil result is indicative only and not covered by our accreditation.

VPH Soils: Raised reporting limits due to sample matrix interference in original extract.

{*/}

VPH Soils: Incorrect sample container received, testing performed on subsample from plastic. Therefore, the result is indicative only and not covered by our accreditation.

Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.

Analysed at: Cov = Coventry(CV4 9GU), Run = Runcorn(WA7 1SL), S = Subcontracted, Trb = Subcontracted to Trowbridge(BA14 0XD), Wak = Wakefield(WF5 9TG).

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. The LOD for the Legionella analysis will increase where the volume analysed is <1000g (1g is approximately equivalent to 1ml for sample volume analysed).

I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed: *A I Horobin*

Name: **A. Horobin**

Date: **08 December 2014**

Title: **Organic Operations Manager**

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ANALYST COMMENTS FOR REPORT

COV/1151739/2014

Issue 1

Date of Issue: 08 December 2014

Sample No	Analysis Comments
14361800	<p>This sample has been analysed for VPH soils method 304 outside recommended stability times. It is therefore possible that the results provided may be compromised. {/*}</p> <p>Incorrect sample container received for EPH soils, testing performed on subsample from plastic. Therefore, the EPH soil result is indicative only and not covered by our accreditation.</p> <p>VPH Soils: Raised reporting limits due to sample matrix interference in original extract. {*/}</p> <p>VPH Soils: Incorrect sample container received, testing performed on subsample from plastic. Therefore, the result is indicative only and not covered by our accreditation.</p>

Signed: A I Horobin

Name: A. Horobin

Date: 08 December 2014

Title: Organic Operations Manager

DETERMINAND COMMENTS FOR REPORT COV/1151739/2014

ISSUE 1

Date of Issue : 08 December 2014

Sample No	Description	Determinand	Comments

Signed:

A I Horobin

Name: A. Horobin

Date: 08 December 2014

Title: Organic Operations Manager