

SMART Systems Ltd.
SMART Systems Ltd
Arnolds Way
Yatton
North Somerset
BS49 4QN

ENVIRONMENTAL WATER DETAILS

Sample Number:	21303011	Client's Ref:	
Date Received:	24/07/2013	Date Sampled:	24/07/2013
		Time of Sampling was not Provided.	
Description:	Environmental Water	Sampled By:	I Hunter
Details:	Plant Paint Discharge T19		

TEST REPORT

Analysis Description	Result	Units	UKAS Status	Method No *
Oil	<20mg/L	mg/L	No	
pH	7.5		Yes	W0001
Suspended Solids	45	mg/L	Yes	W0005
Suspended Solids(ignited)	10	mg/L	Yes	W0005
BOD (ATU)	25	mg/L	Yes	W0009
COD Settled	60	mg/L	Yes	W0011
Iron	< 0.05	mg/L	Yes	W0122
Manganese	< 0.05	mg/L	Yes	W0122
Silver	< 1	µg/L	Yes	W0151
Aluminium	650	µg/L	Yes	W0151

LABORATORY COMMENTS

(Tests marked " No " in the UKAS status column are not included in the UKAS Accreditation Schedule for our Laboratory. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation).

*=Method No's marked CALC are a calculation, not a method number.

These analytical results relate to the sample as received in the laboratory. Quality checks carried out as part of the above analyses were within specifications.

The aluminium result is raised this result is similar to past figures from this monitoring point.

The level of suspended solids in this sample is high, they are mainly inorganic in nature.

As agreed the following tests were subcontracted to a specialist laboratory the results are detailed below;

Antimony	<0.005 mg/L
Arsenic	<0.005 mg/L
Boron	<0.20 mg/L
Beryllium	<0.002 mg/L
Cobalt	<0.002 mg/L


(continuation sheet) Sample Number: **21303011**

LABORATORY COMMENTS CONTINUED

Molybdenum	<0.005 mg/L
Vanadium	<0.005 mg/L
Cadmium	<0.001 mg/L
Chromium	<0.01 mg/L
Lead	<0.005 mg/L
Copper	0.006 mg/L
Nickel	<0.005 mg/L
Zinc	<0.04 mg/L
Thallium	<0.002 mg/L
Selenium	<0.0002 mg/L

These results are similar to past figures from this monitoring point.

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Authorised by: 

06/08/2013

Iain Hunter

Service Manager- Scientific Services

MSc CChem MRSC MCIWM

