

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

ENVIRONMENTAL WATER DETAILS

Sample Number: 21210392 **Client's Ref:**
Date Received: 23/10/2012 **Date Sampled:** 23/10/2012
Description: Environmental Water **Sampled By:** I Hunter
Details: Paint Plant Discharge T19 Smart Systems

TEST REPORT

Analysis Description	Result	Units	UKAS Status	Method No *
Oil	<20mg/L	mg/L	No	
pH	7.6		Yes	W0001
Suspended Solids	2260	mg/L	Yes	W0005
Suspended Solids(ignited)	1710	mg/L	Yes	W0005
COD Settled	107	mg/L	Yes	W0011
Silver	< 1	µg/L	Yes	W0151
Aluminium	520000	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 level of suspended solids in this sample is high, they are mainly inorganic in nature.

The Aluminium and the suspended solids results are significantly higher than when the last sample was taken on the 11/07

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	0.016 mg/L
Molybdenum	0.008 mg/L
Vanadium	0.198 mg/L
Cadmium	<0.001 mg/L
Chromium	0.058 mg/L
Copper	0.131 mg/L
Nickel	0.063 mg/L
Zinc	0.17 mg/L


(continuation sheet) Sample Number: **21210392**

LABORATORY COMMENTS CONTINUED

Thallium <0.002 mg/L

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

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Authorised by: 

07/11/2012

Iain Hunter

Water, Environment & Asbestos Manager

MSc CChem MRSC MCIWM

