

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

### ENVIRONMENTAL WATER DETAILS

<b>Sample Number:</b>	<b>21300579</b>	<b>Client's Ref:</b>	
Date Received:	17/04/2013	Date Sampled:	17/04/2013
		Time of Sampling was not Provided.	
Description:	Environmental Water	Sampled By:	I Hunter
Details:	Paint Plant Discharge		

### TEST REPORT

Analysis Description	Result	Units	UKAS Status	Method No *
Oil	<20mg/L	mg/L	No	
Sub-contracted analysis	see comments		No	ADMIN
pH	8.2		Yes	W0001
Suspended Solids	1570	mg/L	Yes	W0005
Suspended Solids(ignited)	1095	mg/L	Yes	W0005
BOD (ATU)	49	mg/L	Yes	W0009
COD Settled	89	mg/L	Yes	W0011
Iron	70	mg/L	Yes	W0122
Manganese	0.18	mg/L	Yes	W0122
Silver	< 1	µg/L	Yes	W0151
Aluminium	28000	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.

The iron, BOD and COD are also raised when compared to the previous sample taken from this monitoring point

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

(continuation sheet) Sample Number: **21300579**

LABORATORY COMMENTS CONTINUED

Beryllium	<0.002 mg/L
Cobalt	0.013 mg/L
Molybdenum	0.0056mg/L
Vanadium	0.178 mg/L
Cadmium	<0.001 mg/L
Chromium	<0.01 mg/L
Lead	0.014 mg/L
Copper	0.049 mg/L
Nickel	0.036 mg/L
Zinc	0.12 mg/L
Thallium	<0.002 mg/L
Selenium	<0.0002 mg/L

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Authorised by:  .....

14/05/2013

Iain Hunter

Service Manager- Scientific Services

MSc CChem MRSC MCIWM

