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Report No:0010392

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

SAMPLE OF: ENVIRONMENTAL WATER

Sample Number:	22100392	Client' Ref:	PPD
Date Received:	26/04/2021	Date Sampled:	26/04/2021
		Time Sampled:	10:40
		Sampled By:	L Taylor

Details: Effluent Plant 1

TEST REPORT

Analysis Description	Results	Units	UKAS Status	Method No*
pH	11.24		Yes	W0001
Suspended Solids	203	mg/L	Yes	W0005
BOD (ATU)	19	mg/L	Yes	W0009
COD Settled	104	mg/L	Yes	W0011
Silver	< 0.01	mg/L	No	W0122
Antimony	< 0.002	mg/L	Yes	SC
Aluminium	13.40	mg/L	No	W0122
Arsenic	< 0.005	mg/L	No	SC
Boron	< 0.200	mg/L	Yes	SC
Beryllium	< 0.002	mg/L	Yes	SC
Cadmium	< 0.002	mg/L	Yes	SC

(Continuation Sheet) sample

22100392

LABORATORY COMMENTS

Chromium	< 0.005	mg/L	Yes	SC
Colbolt	< 0.002	mg/L	Yes	SC
Copper	< 0.005	mg/L	Yes	SC
Iron	0.98	mg/L	Yes	W0122
Manganese	0.03	mg/L	Yes	W0122
Molybdenum	< 0.005	mg/L	Yes	SC
Nickel	0.005	mg/L	Yes	SC
Lead	0.002	mg/L	Yes	SC
Selenium	< 0.01	mg/L	No	SC
Thallium	< 0.100	mg/L	No	SC
Vanadium	0.002	mg/L	Yes	SC
Zinc	< 0.020	mg/L	Yes	SC
Oil	< 20	mg/L	No	

The suspended solids result for this water is raised when compared to past results from this monitoring point.

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Authorised by:  21/05/2021
Iain Hunter Service Manager- Scientific Services
MSc CChem MRSC MCIWM

(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 and SC is subcontracted work, not 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. Samples analysis date and measurements of uncertainty are available on request.