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## MICROSCOPIC PARTICULATE ANALYSIS REPORT SHEET (GUDI)

CLIENT:	Date of Sample: Sample Location:
	Type:  Volume Filtered (L):  Method?:  Temperature (° C):
TELEPHONE:	pH:
FAX:	Conductivity:

 Sample Processing Information
 Process Date:
 Final Pellet Vol. (μL):

 Date Received
 Time Received Customer # Temp. on Arrival (°C) Lab ID
 Density Medium Sediment (mL)

 Total Wash (mL)
 Concentrated (mL)
 G/C Volume (μL)
 MPA Volume (μL)
 Suspension Vol. (μL)
 Equiv. Vol. (L)

## GIARDIA and CRYPTOSPORIDIUM RESULTS

Giardia cysts/100 L: Cryptosporidium oocysts/100 L:

## PARTICULATE ANALYSIS RESULTS

Primary	Total	#/380 L	Relative	Secondary	Total	#/380 L
Particulates	Count	(100 US gal.)	Risk Factor	Particulates	Count	(100 US ga
Diatoms: Other Algae: Insect/larvae: Rotifers: Plant Debris: Relative Risk F		- extremely heavy derate H - heavy re NS - not s	ignificant	Pollen Nematodes Crustacea Amoebae Ciliates/flagellates Other Large Debris Fine Debris Minerals		

**CONCLUSION:** Based on this sample, the risk of surface water contamination is judged to be and the risk factor is

**Additional Data:** 

**Analyst:** 

Peter M. Wallis, Ph.D.

From the EPA Consensus Method:

Risk of Surface Water Contamination

20+ - high risk 10 to 19 - moderate risk 0 to 9 - low risk Recovery efficiencies for particles are known to be low by the Consensus method. Minimum recovery was measured to be 6.5 +/-1.2% for *Giardia* cysts, 0.5 +/-0.2% for *Cryptosporidium* oocysts and 4.2 +/-2.3% for *Euglena* (algae). Recovery using the MPA-1623 Method is 47.4 +/- 4.3% for *Giardia*, 63.8 +/- 5.9% for *Cryptosporidium* and 19.5 +/-5.6% for *Euglena*.

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Note: These results pertain to this sample only.

The methodology used to generate this report conforms to the USEPA Consensus Method for the Microscopic Particulate Analysis or to the MPA-1623 modification. Based on the validation data, the method is fit for its intended use. Hyperion Research Ltd. is accredited for this analysis by CALA under ISO/IEC 17025:2005.