

Client: Hagerman	n Lake Property		WWA Job #: 84582
Project:	Monitoring		
Date Received:	8/12/2019	Date Reported:	9/4/2019
Sample Number	Client Sample ID	Date Sampled	Sample Matrix
84582-001	Epi	0.8/10/19	Water
84582-002	Нуро	08/10/19	Water
84582-003	E.ooli	08/12/19	Water

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Comments (if any):

Key to Laboratory Flags:

- *: RPD/RSD exceeds limits.
- B: The analyte was found in the associated blank as well as in the sample,
- J: The quantitation is an estimated value because the result is less than the sample quantitation limit but greater than the detection limit.
- M: A matrix effect was present.
- Q: Batch QC data associated with the analysis does not meet the stated objectives
- H: Indicates analytical holding time exceedance.
- P: A manual peak selection or manual integration was performed to correct an erroneous software selection.
- N: For reporting results that are non-target analytes, when requested by client for Mass Spec reporting,
- T: Tentatively Identified Compound.

ND = Not Detected, MDL = Method Detection Limit, MQL = Method Quantitation Limit

ppm = mg/L (liquid) or mg/kg (solid), ppb = ug/L (liquid) or ug/kg (solid)

For coliform, Negative = No coliform bacteria detected, Positive = Coliform bacteria detected

Sample Types:

S = Solids, DW = Drinking water, D = Dissolved, T = Total, TC = TCLP extract, SP = SPLP extract

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without the written approval of this laboratory. The Chain of Custody is attached.

This report satisfies the requirements of your project but has not been prepared to comply with NELAP reporting requirements.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and White Water Associates Standard Operating Procedures. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this Final Report is authorized by White Water Associates management, as is verified by the following signature.

WI DNR Lab Certification Number: 999971280

MI EGLE Certification Number: 9306

DoD-ELAP Accreditation Number: 65802

ISO/IEC 17025:2005 Accredited



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Monitoring

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Sample Results

	58	ımpie	Results					
Sample No. / ID / Description /	Matrix Result	Flags	Units	Date/Time	Method	MDL	MQL	Analyst
84582-001 / Epi / Water								
General Chemistry Parame	ters							
Alkalinity (t) as CaCO3	56		mg/L	8/21/2019 15:46	310.2	8.0	30	NK
Ammonia-N	. ND		mg/L	8/19/2019 12:28	4500-NH3 G	0.03	0.10	NK
Chlorophyll a	1.6		mg/m3	8/22/2019 15:10	10200H	NA	NA	ΑH
Conductivity Lab	130		umho/cm	8/21/2019 8:50	2510B	1	1	GG
Hardness (t)	60		mg/L	8/15/2019 14:15	2340B	0.3	1.3	SB
Nitrate/Nitrite-N	ND		mg/L	8/26/2019 17:10	4500-NO3- F	0.13	0.40	NK
Nitrate-N	ND		mg/L	8/26/2019 17:10	4500-NO3- F	0.13	0.40	NK
Nitrite-N	ND	H	mg/L	8/12/2019 14:32	4500-NO3- F	0.01	0.04	NK
pH Lab	8.3		pH Units	8/12/2019 11:45	4500H+B	0.10	0.10	TM
Total Kjeldahl Nitrogen (t)	0.32	J	mg/L	8/15/2019 11:00	351.2	0.19	0.50	NK
Total Phosphorus LL (t)	ND		mg/L	8/20/2019 13:35	365.4	800.0	0.050	NK
Trace Metals - Total								
Calcium (t)	14		mg/L	8/15/2019 14:15	200.7	0.05	0.20	SB
Magnesium (t)	5.8		mg/L	8/15/2019 14:15	200.7	0.05	0.20	SB



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	Sa	mple	Results			picki n en inn kampun kepidadya	**************************************	***************************************
Sample No. / ID / Description	on / Matrix Result	Flags	Units	Date/Time	Method	MDL	MQL	Analyst
84582-002 / Hypo / Water	-							
General Chemistry Para	meters			·				
Alkalinity (t) as CaCO3	57		mg/L	8/21/2019 15:46	310.2	8.0	30	NK
Ammonia-N	ND		mg/L	8/19/2019 12:29	4500-NH3 G	0.03	0.10	NK
Conductivity Lab	140		umho/cm	8/21/2019 8:50	2510B	1	1	GG
Hardness (t)	64		mg/L	8/15/2019 14:15	2340B	0.3	1.3	SB
Nitrate/Nitrite-N	ND	•	mg/L	8/26/2019 17:14	4500-NO3- F	0.13	0.40	NK
Nitrate-N	ND		mg/L	8/26/2019 17:14	4500-NO3- F	0.13	0.40	NK
Nitrite-N	ND	Н	mg/L	8/12/2019 14:34	4500-NO3- F	0.01	0.04	NK
pH Lab	6.7		pH Units	8/12/2019 11:45	4500H+B	0.10	0.10	TM
Total Kjeldahl Nitrogen (t)	0.43	J	mg/L	8/15/2019 11:00	351.2	0.19	0.50	NK
Total Phosphorus LL (t)	0.036	J	mg/L	8/20/2019 13:18	365.4	0.008	0.050	NK
84582-003 / E.coli / Water	•					ı		
General Chemistry Para	meters							
E. coli	12		MPN/100mL	8/12/2019 14:00	9223B	1	1	TM

Login Checklist



Proj	ect No.:	84582	Date logged in.: 8/12/2019	Login person's initials:	AH
Clie	nt:	Hagerman La	ke Property	Number of coolers: 1	
Proj	ect name:	Monitoring		Courier/shipper: WY	WA
V	1. Custody	seals/original	packing tape were intact (if ap	plicable).	
Y	2. Samples	are in good co	ondition, i.e. not broken or leak	ing.	
V	3. Samples	were received	l within holding times.	NOTES or	ı #4:
V	4. Samples	were received	on ice (in direct contact with t	he samples).	
V	5. Tempera	iture of the sa	mples was between 0-6°C. Tem	p.: 5	
		•	veen 0-6°C that are received at not require client notification.	the laboratory on the day	
V	6. Samples	matched the	Chain of Custody (COC).		
V	7. Proper c	ontainers we	e used.		
V	8. Samples	were collecte	d in White Water lab container	s.	
Y	9. There is	adequate san	ple volume for requested analy	rses and QC.	
	10. For wa	ter VOC sam	ples, headspace is less than the	size of a pea.	
V			ed to the proper pH. Sample bo Container Section.	ttles and preservation are	
Y	12. The CO	OC is signed. (either Sampler or Relinquished	l by)	
		mpling (SS) is og-in form.	required. Bottles created are n	oted in sample containers	
V	14. For Dis	ssolved Analy	sis (when applicable), samples v	vere filtered in the lab.	
	15. For soi	l VOCs, meth	anol preserved samples were re	eceived.	
	16. For Soi	il VOCs, samı	oles were preserved with metha	nol in the lab.	
	17. Client	contact is nec	essary. Provide documentation	below.	

CLIENT RESPONSE

COMMENTS/CORRECTIVE ACTION

Note: If hold time, volume, and received on ice or temperature criteria are not met when required by the method, results may not be able to be used for regulatory purposes. Check with your reporting agency for more information.

CHAIN-OF-CUSTODY RECORD Job # (WWA office use): 84582

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CITY	STATE	ZIP	SON	CONTRACT / PO / PROJECT NAME / WSSN#	T/PC	J/PR	SEC	NAM	E/W	典 NS S				ANA	LYSIS	TYP	Ä	UEST	ED (At	ANALYSIS TYPE REQUESTED (Attach list if neeeded)	f neeed	(Q)	
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