

Work Orders: 0A21085

Report Date: 2/05/2020

Project: Pristine Hydro Water Revival System

Received Date: 1/21/2020

Turnaround Time: Normal

Phones: (949) 581-9191

Fax: (949) 581-9192

Attn: Ginger Caulkins

P.O. #:

Client: PristineHydro Development Inc.
24102 El Toro Road, Suite D
Laguna Woods, CA 92637

Billing Code:

Dear Ginger Caulkins :

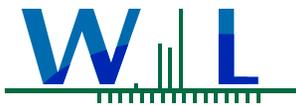
Enclosed are the results of analyses for samples received 1/21/2020 with the Chain-of-Custody document. The samples were received in good condition, at 4.3 °C and on ice. All analysis met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: Pristine Hydro Water Revival System
0A21085-01 (Water)

Sampled: 01/20/20 15:00 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: _Various	Batch ID: [CALC]	Instr: [CALC]	Prepared: 02/04/20 11:51		Analyst: jna	
Total Anions	0.36	0.084	meq/l	1	01/22/20	
Total Cations	0.39	0.038	meq/l	1	02/04/20	
Method: EPA 200.7	Batch ID: W0A1613	Instr: ICP03	Prepared: 01/31/20 15:08		Analyst: mtt	
Iron, Total	ND	10	ug/l	1	02/03/20	
Magnesium, Total	3.40	0.100	mg/l	1	02/03/20	
Silica as SiO2, Total	0.24	0.10	mg/l	1	02/03/20	
Sodium, Total	2.4	0.50	mg/l	1	02/03/20	
Method: EPA 200.7	Batch ID: W0B0153	Instr: ICP03	Prepared: 02/04/20 11:51		Analyst: mtt	
Calcium, Total	0.206	0.100	mg/l	1	02/04/20	
Potassium, Total	ND	0.10	mg/l	1	02/04/20	
Method: EPA 200.8	Batch ID: W0A1160	Instr: ICPMS04	Prepared: 01/23/20 11:26		Analyst: CWC	
Aluminum, Total	ND	5.0	ug/l	1	01/27/20	
Antimony, Total	ND	0.50	ug/l	1	01/27/20	
Arsenic, Total	ND	0.40	ug/l	1	01/27/20	
Barium, Total	ND	0.50	ug/l	1	01/27/20	
Beryllium, Total	ND	0.10	ug/l	1	01/27/20	
Cadmium, Total	ND	0.10	ug/l	1	01/27/20	
Chromium, Total	ND	0.20	ug/l	1	01/27/20	
Copper, Total	ND	0.50	ug/l	1	01/27/20	
Lead, Total	ND	0.20	ug/l	1	01/27/20	
Manganese, Total	ND	0.20	ug/l	1	01/27/20	



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Certificate of Analysis

FINAL REPORT

Sample Results

(Continued)

Sample: Pristine Hydro Water Revival System
0A21085-01 (Water)

Sampled: 01/20/20 15:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 200.8 (Continued)	Batch ID: W0A1160	Instr: ICPMS04	Prepared: 01/23/20 11:26		Analyst: CWC	
Nickel, Total	ND	0.80	ug/l	1	01/27/20	
Selenium, Total	ND	0.40	ug/l	1	01/27/20	
Silver, Total	ND	0.20	ug/l	1	01/27/20	
Thallium, Total	ND	0.20	ug/l	1	01/27/20	
Zinc, Total	ND	5.0	ug/l	1	01/27/20	
Method: EPA 245.1	Batch ID: W0A1124	Instr: hg03	Prepared: 01/23/20 09:55		Analyst: mem	
Mercury, Total	ND	0.050	ug/l	1	01/28/20	
Method: EPA 300.0	Batch ID: W0A1059	Instr: LC12	Prepared: 01/21/20 17:31		Analyst: jna	
Chloride, Total	2.0	0.50	mg/l	1	01/22/20	
Fluoride, Total	ND	0.10	mg/l	1	01/22/20	
Sulfate as SO4	ND	0.50	mg/l	1	01/22/20	
Method: EPA 314.0	Batch ID: W0A1058	Instr: LC08	Prepared: 01/21/20 17:28		Analyst: jna	
Perchlorate	ND	2.0	ug/l	1	01/23/20	
Method: EPA 353.2	Batch ID: W0A1044	Instr: AA01	Prepared: 01/21/20 15:59		Analyst: SAR	
Nitrate as N	ND	0.20	mg/l	1	01/22/20 11:27	
Nitrite as N	ND	100	ug/l	1	01/22/20 11:27	
Method: EPA 524.2	Batch ID: W0A1001	Instr: GCMS08	Prepared: 01/21/20 13:04		Analyst: rdt	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	1	01/22/20	
1,1,1-Trichloroethane	ND	0.50	ug/l	1	01/22/20	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	1	01/22/20	
1,1,2-Trichloroethane	ND	0.50	ug/l	1	01/22/20	
1,1-Dichloroethane	ND	0.50	ug/l	1	01/22/20	
1,1-Dichloroethene	ND	0.50	ug/l	1	01/22/20	
1,1-Dichloropropene	ND	0.50	ug/l	1	01/22/20	
1,2,3-Trichlorobenzene	ND	0.50	ug/l	1	01/22/20	
1,2,4-Trichlorobenzene	ND	0.50	ug/l	1	01/22/20	
1,2,4-Trimethylbenzene	ND	0.50	ug/l	1	01/22/20	
1,2-Dichloroethane	ND	0.50	ug/l	1	01/22/20	
1,2-Dichloropropane	ND	0.50	ug/l	1	01/22/20	
1,3,5-Trimethylbenzene	ND	0.50	ug/l	1	01/22/20	
1,3-Dichloropropane	ND	0.50	ug/l	1	01/22/20	
1,3-Dichloropropene, Total	ND	0.50	ug/l	1	01/22/20	
2,2-Dichloropropane	ND	0.50	ug/l	1	01/22/20	
2-Butanone	ND	5.0	ug/l	1	01/22/20	
2-Chlorotoluene	ND	0.50	ug/l	1	01/22/20	
2-Hexanone	ND	5.0	ug/l	1	01/22/20	
4-Chlorotoluene	ND	0.50	ug/l	1	01/22/20	
4-Methyl-2-pentanone	ND	5.0	ug/l	1	01/22/20	
Benzene	ND	0.50	ug/l	1	01/22/20	
Bromobenzene	ND	0.50	ug/l	1	01/22/20	



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Sample Results

(Continued)

Sample: Pristine Hydro Water Revival System
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Sampled: 01/20/20 15:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 524.2 (Continued)	Batch ID: W0A1001	Instr: GCMS08	Prepared: 01/21/20 13:04		Analyst: rdt	
Bromochloromethane	ND	0.50	ug/l	1	01/22/20	
Bromodichloromethane	ND	0.50	ug/l	1	01/22/20	
Bromoform	ND	0.50	ug/l	1	01/22/20	
Bromomethane	ND	0.50	ug/l	1	01/22/20	
Carbon tetrachloride	ND	0.50	ug/l	1	01/22/20	
Chlorobenzene	ND	0.50	ug/l	1	01/22/20	
Chloroethane	ND	0.50	ug/l	1	01/22/20	
Chloroform	ND	0.50	ug/l	1	01/22/20	
Chloromethane	ND	0.50	ug/l	1	01/22/20	
cis-1,2-Dichloroethene	ND	0.50	ug/l	1	01/22/20	
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	01/22/20	
Dibromochloromethane	ND	0.50	ug/l	1	01/22/20	
Dibromomethane	ND	0.50	ug/l	1	01/22/20	
Dichlorodifluoromethane (Freon 12)	ND	0.50	ug/l	1	01/22/20	
Di-isopropyl ether	ND	2.0	ug/l	1	01/22/20	
Ethyl tert-butyl ether	ND	2.0	ug/l	1	01/22/20	
Ethylbenzene	ND	0.50	ug/l	1	01/22/20	
Freon 113	ND	5.0	ug/l	1	01/22/20	
Hexachlorobutadiene	ND	0.50	ug/l	1	01/22/20	
Isopropylbenzene	ND	0.50	ug/l	1	01/22/20	
m,p-Xylene	ND	0.50	ug/l	1	01/22/20	
m-Dichlorobenzene	ND	0.50	ug/l	1	01/22/20	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/l	1	01/22/20	
Methylene chloride	ND	0.50	ug/l	1	01/22/20	
Naphthalene	ND	0.50	ug/l	1	01/22/20	
n-Butylbenzene	ND	0.50	ug/l	1	01/22/20	
n-Propylbenzene	ND	0.50	ug/l	1	01/22/20	
o-Dichlorobenzene	ND	0.50	ug/l	1	01/22/20	
o-Xylene	ND	0.50	ug/l	1	01/22/20	
p-Dichlorobenzene	ND	0.50	ug/l	1	01/22/20	
p-Isopropyltoluene	ND	0.50	ug/l	1	01/22/20	
sec-Butylbenzene	ND	0.50	ug/l	1	01/22/20	
Styrene	ND	0.50	ug/l	1	01/22/20	
Tert-amyl methyl ether	ND	2.0	ug/l	1	01/22/20	
tert-Butylbenzene	ND	0.50	ug/l	1	01/22/20	
Tetrachloroethene	ND	0.50	ug/l	1	01/22/20	
THMs, Total	ND	0.50	ug/l	1	01/22/20	
Toluene	ND	0.50	ug/l	1	01/22/20	
trans-1,2-Dichloroethene	ND	0.50	ug/l	1	01/22/20	
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	01/22/20	



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Sample Results

(Continued)

Sample: Pristine Hydro Water Revival System
0A21085-01 (Water)

Sampled: 01/20/20 15:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 524.2 (Continued) Batch ID: W0A1001 Instr: GCMS08 Prepared: 01/21/20 13:04 Analyst: rdt						
Trichloroethene	ND	0.50	ug/l	1	01/22/20	
Trichlorofluoromethane	ND	0.50	ug/l	1	01/22/20	
Vinyl chloride	ND	0.50	ug/l	1	01/22/20	
Xylenes, Total	ND	0.50	ug/l	1	01/22/20	
<i>Surrogate(s)</i>						
1,2-Dichlorobenzene-d4	84%	70-130	Conc: 8.44		01/22/20	
4-Bromofluorobenzene	79%	70-130	Conc: 7.95		01/22/20	
Method: SM 2320B Batch ID: W0A1087 Instr: AA02 Prepared: 01/22/20 09:54 Analyst: sbn						
Alkalinity as CaCO3	15	2.0	mg/l	1	01/22/20	
Bicarbonate Alkalinity as HCO3	ND	2.0	mg/l	1	01/22/20	
Carbonate Alkalinity as CaCO3	14	2.0	mg/l	1	01/22/20	
Hydroxide Alkalinity as CaCO3	ND	2.0	mg/l	1	01/22/20	
Method: SM 2540C M Batch ID: W0A1106 Instr: OVEN01 Prepared: 01/22/20 12:03 Analyst: blg						
Total Dissolved Solids	47	10	mg/l	1	01/22/20	
Method: SM 4500Cl-G Batch ID: W0A1047 Instr: UVVIS04 Prepared: 01/21/20 16:12 Analyst: ssi						
Chlorine Residual, Free	ND	0.050	mg/l	1	01/21/20	*
Chlorine Residual, Total	ND	0.050	mg/l	1	01/21/20 17:15	*
Dichloramine	ND	0.050	mg/l	1	01/21/20	*
Monochloramine	ND	0.050	mg/l	1	01/21/20	*
Method: SM 9223B Batch ID: W0A1098 Instr: INC13 Prepared: 01/21/20 15:48 Analyst: amc						
E. coli	Absent	1.0	N/A	1	01/22/20 09:56	
Total Coliform	Absent	1.0	N/A	1	01/22/20 09:56	

Sample Results LA Testing - EMSL Analytical, Inc. CA-ELAP #2283, Non-NELAP

Sample: Pristine Hydro Water Revival System
0A21085-01 (Water)

Sampled: 01/20/20 15:00 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
EPA 100.2						
Method: EPA 100.2 Batch ID: 322001405 Prepared: 01/22/20 14:05 Analyst: _SUB						
Asbestos	ND	0.20	MFL	1	02/02/20	

Notes and Definitions

Item	Definition
*	The recommended holding time for this analysis is only 15 minutes. The sample was analyzed as soon as it was possible but it was received and analyzed past holding time.
% Rec	Percent Recovery
Dil	Dilution
dry	Sample results reported on a dry weight basis
MDA	Minimum Detectable Activity
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
NR	Not Reportable
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
SM 4500Cl-G in Water			
Chlorine Residual, Free	7782-50-5	✓	
Monochloramine	10599-90-3	✓	
Dichloramine	3400-09-7	✓	
SM 9223B in Water			
Total Coliform			✓
E. coli			✓

Reviewed by:



Erika C. Alvarenga
PM Assistant



ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 •
NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.