

Work Orders: 9A15026

Report Date: 2/11/2019

Project: Pristine Hydro Water Revival System

Received Date: 1/15/2019

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 :

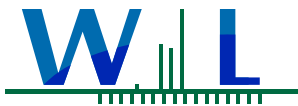
Enclosed are the results of analyses for samples received 1/15/2019 with the Chain-of-Custody document. The samples were received in good condition, at 4.4 °C and on ice. All analysis met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: Pristine Hydro Water Revival System
9A15026-01 (Water)

Sampled: 01/14/19 4:00 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: _Various Batch ID: [CALC] Instr: [CALC] Prepared: 02/04/19 11:51 Analyst: jan						
Total Anions	0.5	0.084	meq/l	1	01/22/19 13:00	
Total Cations	0.4	0.038	meq/l	1	02/04/19 17:59	
Method: EPA 200.7 Batch ID: W9B0129 Instr: ICP03 Prepared: 02/04/19 11:51 Analyst: mtt						
Calcium, Total	ND	0.100	mg/l	1	02/04/19 17:59	
Iron, Total	ND	10	ug/l	1	02/04/19 17:59	
Magnesium, Total	1.71	0.100	mg/l	1	02/04/19 17:59	
Potassium, Total	ND	0.10	mg/l	1	02/04/19 17:59	
Silica as SiO2, Total	0.26	0.10	mg/l	1	02/04/19 17:59	
Sodium, Total	6.0	0.50	mg/l	1	02/04/19 17:59	
Method: EPA 200.8 Batch ID: W9A1058 Instr: ICPMS04 Prepared: 01/18/19 09:45 Analyst: rrl						
Aluminum, Total	ND	5.0	ug/l	1	01/24/19 14:10	
Antimony, Total	ND	0.50	ug/l	1	01/24/19 14:10	
Arsenic, Total	ND	0.40	ug/l	1	01/24/19 16:35	
Barium, Total	ND	0.50	ug/l	1	01/24/19 14:10	
Beryllium, Total	ND	0.10	ug/l	1	01/24/19 14:10	
Cadmium, Total	ND	0.10	ug/l	1	01/24/19 16:35	
Chromium, Total	ND	0.20	ug/l	1	01/24/19 16:35	
Copper, Total	ND	0.50	ug/l	1	01/24/19 14:10	
Lead, Total	ND	0.20	ug/l	1	01/24/19 14:10	
Manganese, Total	ND	0.20	ug/l	1	01/24/19 14:10	
Nickel, Total	ND	0.80	ug/l	1	01/24/19 14:10	



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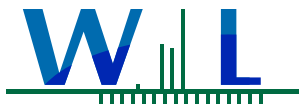
Sample Results

(Continued)

Sample: Pristine Hydro Water Revival System
9A15026-01 (Water)

Sampled: 01/14/19 4:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 200.8 (Continued)	Batch ID: W9A1058	Instr: ICPMS04	Prepared: 01/18/19 09:45		Analyst: rrl	
Selenium, Total	ND	0.40	ug/l	1	01/24/19 16:35	
Silver, Total	ND	0.20	ug/l	1	01/24/19 14:10	
Thallium, Total	ND	0.20	ug/l	1	01/24/19 14:10	
Zinc, Total	ND	5.0	ug/l	1	01/24/19 14:10	
Method: EPA 245.1	Batch ID: W9A1101	Instr: HG03	Prepared: 01/21/19 13:57		Analyst: dec	
Mercury, Total	ND	0.050	ug/l	1	01/25/19 14:51	
Method: EPA 300.0	Batch ID: W9A1049	Instr: LC12	Prepared: 01/18/19 12:39		Analyst: jan	
Chloride, Total	7.4	0.50	mg/l	1	01/19/19 08:00	
Fluoride, Total	ND	0.10	mg/l	1	01/19/19 08:00	
Sulfate as SO4	ND	0.50	mg/l	1	01/19/19 08:00	
Method: EPA 314.0	Batch ID: W9A1083	Instr: LC08_Chan	Prepared: 01/18/19 12:45		Analyst: jan	
Perchlorate	ND	2.0	ug/l	1	01/18/19 18:49	
Method: EPA 353.2	Batch ID: W9A0816	Instr: AA01	Prepared: 01/15/19 10:59		Analyst: mat	
Nitrate as N	ND	0.20	mg/l	1	01/15/19 13:37	
Nitrite as N	ND	100	ug/l	1	01/15/19 13:37	
Method: EPA 524.2	Batch ID: W9A1120	Instr: GCMS08	Prepared: 01/21/19 08:41		Analyst: rdt	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	1	01/22/19 04:17	
1,1,1-Trichloroethane	ND	0.50	ug/l	1	01/22/19 04:17	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	1	01/22/19 04:17	
1,1,2-Trichloroethane	ND	0.50	ug/l	1	01/22/19 04:17	
1,1-Dichloroethane	ND	0.50	ug/l	1	01/22/19 04:17	
1,1-Dichloroethene	ND	0.50	ug/l	1	01/22/19 04:17	
1,1-Dichloropropene	ND	0.50	ug/l	1	01/22/19 04:17	
1,2,3-Trichlorobenzene	ND	0.50	ug/l	1	01/22/19 04:17	
1,2,4-Trichlorobenzene	ND	0.50	ug/l	1	01/22/19 04:17	
1,2,4-Trimethylbenzene	ND	0.50	ug/l	1	01/22/19 04:17	
1,2-Dichloroethane	ND	0.50	ug/l	1	01/22/19 04:17	
1,2-Dichloropropane	ND	0.50	ug/l	1	01/22/19 04:17	
1,3,5-Trimethylbenzene	ND	0.50	ug/l	1	01/22/19 04:17	
1,3-Dichloropropane	ND	0.50	ug/l	1	01/22/19 04:17	
1,3-Dichloropropene, Total	ND	0.50	ug/l	1	01/22/19 04:17	
2,2-Dichloropropane	ND	0.50	ug/l	1	01/22/19 04:17	
2-Butanone	ND	5.0	ug/l	1	01/22/19 04:17	
2-Chloroethyl vinyl ether	ND	1.0	ug/l	1	01/22/19 04:17	
2-Chlorotoluene	ND	0.50	ug/l	1	01/22/19 04:17	
2-Hexanone	ND	5.0	ug/l	1	01/22/19 04:17	
4-Chlorotoluene	ND	0.50	ug/l	1	01/22/19 04:17	
4-Methyl-2-pentanone	ND	5.0	ug/l	1	01/22/19 04:17	
Benzene	ND	0.50	ug/l	1	01/22/19 04:17	
Bromobenzene	ND	0.50	ug/l	1	01/22/19 04:17	



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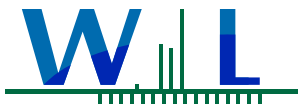
Sample Results

(Continued)

Sample: Pristine Hydro Water Revival System
9A15026-01 (Water)

Sampled: 01/14/19 4:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 524.2 (Continued)	Batch ID: W9A1120	Instr: GCMS08	Prepared: 01/21/19 08:41		Analyst: rdt	
Bromochloromethane	ND	0.50	ug/l	1	01/22/19 04:17	
Bromodichloromethane	ND	0.50	ug/l	1	01/22/19 04:17	
Bromoform	ND	0.50	ug/l	1	01/22/19 04:17	
Bromomethane	ND	0.50	ug/l	1	01/22/19 04:17	
Carbon tetrachloride	ND	0.50	ug/l	1	01/22/19 04:17	
Chlorobenzene	ND	0.50	ug/l	1	01/22/19 04:17	
Chloroethane	ND	0.50	ug/l	1	01/22/19 04:17	
Chloroform	ND	0.50	ug/l	1	01/22/19 04:17	
Chloromethane	ND	0.50	ug/l	1	01/22/19 04:17	
cis-1,2-Dichloroethene	ND	0.50	ug/l	1	01/22/19 04:17	
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	01/22/19 04:17	
Dibromochloromethane	ND	0.50	ug/l	1	01/22/19 04:17	
Dibromomethane	ND	0.50	ug/l	1	01/22/19 04:17	
Dichlorodifluoromethane (Freon 12)	ND	0.50	ug/l	1	01/22/19 04:17	
Di-isopropyl ether	ND	2.0	ug/l	1	01/22/19 04:17	
Ethyl tert-butyl ether	ND	2.0	ug/l	1	01/22/19 04:17	
Ethylbenzene	ND	0.50	ug/l	1	01/22/19 04:17	
Freon 113	ND	5.0	ug/l	1	01/22/19 04:17	
Hexachlorobutadiene	ND	0.50	ug/l	1	01/22/19 04:17	
Isopropylbenzene	ND	0.50	ug/l	1	01/22/19 04:17	
m,p-Xylene	ND	0.50	ug/l	1	01/22/19 04:17	
m-Dichlorobenzene	ND	0.50	ug/l	1	01/22/19 04:17	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/l	1	01/22/19 04:17	
Methylene chloride	ND	0.50	ug/l	1	01/22/19 04:17	
Naphthalene	ND	0.50	ug/l	1	01/22/19 04:17	
n-Butylbenzene	ND	0.50	ug/l	1	01/22/19 04:17	
n-Propylbenzene	ND	0.50	ug/l	1	01/22/19 04:17	
o-Dichlorobenzene	ND	0.50	ug/l	1	01/22/19 04:17	
o-Xylene	ND	0.50	ug/l	1	01/22/19 04:17	
p-Dichlorobenzene	ND	0.50	ug/l	1	01/22/19 04:17	
p-Isopropyltoluene	ND	0.50	ug/l	1	01/22/19 04:17	
sec-Butylbenzene	ND	0.50	ug/l	1	01/22/19 04:17	
Styrene	ND	0.50	ug/l	1	01/22/19 04:17	
Tert-amyl methyl ether	ND	2.0	ug/l	1	01/22/19 04:17	
tert-Butylbenzene	ND	0.50	ug/l	1	01/22/19 04:17	
Tetrachloroethene	ND	0.50	ug/l	1	01/22/19 04:17	
THMs, Total	ND	2.0	ug/l	1	01/22/19 04:17	
Toluene	ND	0.50	ug/l	1	01/22/19 04:17	
trans-1,2-Dichloroethene	ND	0.50	ug/l	1	01/22/19 04:17	
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	01/22/19 04:17	



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Sample Results

(Continued)

Sample: Pristine Hydro Water Revival System
9A15026-01 (Water)

Sampled: 01/14/19 4:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 524.2 (Continued) Batch ID: W9A1120 Instr: GCMS08 Prepared: 01/21/19 08:41 Analyst: rdt						
Trichloroethene	ND	0.50	ug/l	1	01/22/19 04:17	
Trichlorofluoromethane	ND	0.50	ug/l	1	01/22/19 04:17	
Vinyl chloride	ND	0.50	ug/l	1	01/22/19 04:17	
Xylenes, Total	ND	1.0	ug/l	1	01/22/19 04:17	
<i>Surrogate(s)</i>						
1,2-Dichlorobenzene-d4	80%	70-130	Conc: 8.00		01/22/19 04:17	
4-Bromofluorobenzene	81%	70-130	Conc: 8.13		01/22/19 04:17	
Method: SM 2320B Batch ID: W9A1169 Instr: PH01 Prepared: 01/21/19 13:25 Analyst: anb						
Alkalinity as CaCO3	14	2.0	mg/l	1	01/22/19 13:00	
Bicarbonate Alkalinity as HCO3	14	2.0	mg/l	1	01/22/19 13:00	
Carbonate Alkalinity as CaCO3	2.6	2.0	mg/l	1	01/22/19 13:00	
Hydroxide Alkalinity as CaCO3	ND	2.0	mg/l	1	01/22/19 13:00	
Method: SM 2540C Batch ID: W9A0899 Instr: _ANALYST Prepared: 01/15/19 19:36 Analyst: mcs						
Total Dissolved Solids	22	10	mg/l	1	01/16/19 18:35	
Method: SM 4500Cl-G Batch ID: W9A0882 Instr: UVVIS04 Prepared: 01/15/19 17:31 Analyst: ymt						
Chlorine Residual, Free	ND	0.050	mg/l	1	01/16/19 20:36	*
Chlorine Residual, Total	ND	0.050	mg/l	1	01/16/19 20:36	*
Dichloramine	ND	0.050	mg/l	1	01/16/19 20:36	*
Monochloramine	ND	0.050	mg/l	1	01/16/19 20:36	*
Method: SM 9223B Batch ID: W9B0486 Instr: _ANALYST Prepared: 01/15/19 14:50 Analyst: slh						
E. coli	Absent	1.0	N/A	1	01/16/19 09:30	
Total Coliform	Absent	1.0	N/A	1	01/16/19 09:30	

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

Sample: Pristine Hydro Water Revival System
9A15026-01 (Water)

Sampled: 01/14/19 4:00 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Subcontracted Analyses						
Method: EPA 100.2 Batch ID: '[none]' Prepared: 01/16/19 00:00 Analyst: _SUB						
Asbestos	ND	0.2	MFL	1	01/28/19	

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.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
R-02	The RPD was outside of QC acceptance limits due to possible matrix interference.
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.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
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) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
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 MIS 002.

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	By ANAB
SM 4500Cl-G in Water			
Chlorine Residual, Free	7782-50-5	✓ ✓ ✓	
Monochloramine	10599-90-3		
Dichloramine	3400-09-7		

Reviewed by:



Erika C. Alvarenga
 PM Assistant



ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-CA #04229CA •
 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.