



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: Idyllwild Water District
 Contact: Jerry Johnson
 Address: P.O. Box 397
 Idyllwild, CA 92549

Analytical Report: Page 1 of 7
 Project Name: Idyllwild WD-DW-CC
 Project Number: 3rd Quarter TTHM/HAA

Report Date: 17-Sep-2018

Work Order Number: B810973

Received on Ice (Y/N): Yes Temp: 9 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
B810973-01	Zone 3 Station 5 ---ROUTINE--- 801	Water	09/10/18 10:30	Jerry Johnson	09/10/18 13:57	Jerry Johnson
B810973-02	Zone 3 Station 7 ---ROUTINE--- 802	Water	09/10/18 09:45	Jerry Johnson	09/10/18 13:57	Jerry Johnson
B810973-03	HG ---ROUTINE---	Water	09/10/18 09:55	Jerry Johnson	09/10/18 13:57	Jerry Johnson
B810973-04	Elm ---ROUTINE---	Water	09/10/18 09:25	Jerry Johnson	09/10/18 13:57	Jerry Johnson
B810973-05	TG ---ROUTINE---	Water	09/10/18 09:15	Jerry Johnson	09/10/18 13:57	Jerry Johnson



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Work Order Number: B810973

Received on Ice (Y/N): Yes Temp: 9 °C

Laboratory Reference Number

B810973-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Zone 3 Station 5 801	Water	09/10/18 10:30	09/10/18 13:57

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Volatile Organic Compounds by EPA 524.2							
Total Trihalomethanes	14	0.50	ug/L	EPA 524.2	09/13/18 20:17	JES	
Bromodichloromethane	2.7	0.50	ug/L	EPA 524.2	09/13/18 20:17	JES	
Bromoform	ND	0.50	ug/L	EPA 524.2	09/13/18 20:17	JES	
Chloroform	10	0.50	ug/L	EPA 524.2	09/13/18 20:17	JES	
Dibromochloromethane	0.70	0.50	ug/L	EPA 524.2	09/13/18 20:17	JES	
Surrogate: 1,2-Dichloroethane-d4	103	% 50-150		EPA 524.2	09/13/18 20:17	JES	
Surrogate: 4-Bromofluorobenzene	88.7	% 50-150		EPA 524.2	09/13/18 20:17	JES	
Surrogate: Toluene-d8	103	% 50-150		EPA 524.2	09/13/18 20:17	JES	
Haloacetic Acid by Standard Methods 6251B							
HAA5	5.6	2.0	ug/L	SM 6251B	09/12/18 03:58	SS	
Monochloroacetic Acid	ND	2.0	ug/L	SM 6251B	09/12/18 03:58	SS	NRPDc
Dichloroacetic Acid	2.2	1.0	ug/L	SM 6251B	09/12/18 03:58	SS	
Trichloroacetic Acid	3.4	1.0	ug/L	SM 6251B	09/12/18 03:58	SS	
Monobromoacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 03:58	SS	
Dibromoacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 03:58	SS	
Surrogate: 2,3-Dibromopropionic acid	99.0	% 70-130		SM 6251B	09/12/18 03:58	SS	



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Laboratory Reference Number

B810973-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Zone 3 Station 7 802	Water	09/10/18 09:45	09/10/18 13:57

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Volatile Organic Compounds by EPA 524.2							
Total Trihalomethanes	12	0.50	ug/L	EPA 524.2	09/13/18 20:48	JES	
Bromodichloromethane	3.0	0.50	ug/L	EPA 524.2	09/13/18 20:48	JES	
Bromoform	0.60	0.50	ug/L	EPA 524.2	09/13/18 20:48	JES	
Chloroform	6.0	0.50	ug/L	EPA 524.2	09/13/18 20:48	JES	
Dibromochloromethane	2.2	0.50	ug/L	EPA 524.2	09/13/18 20:48	JES	
Surrogate: 1,2-Dichloroethane-d4	103	% 50-150		EPA 524.2	09/13/18 20:48	JES	
Surrogate: 4-Bromofluorobenzene	88.2	% 50-150		EPA 524.2	09/13/18 20:48	JES	
Surrogate: Toluene-d8	102	% 50-150		EPA 524.2	09/13/18 20:48	JES	
Haloacetic Acid by Standard Methods 6251B							
HAA5	3.6	2.0	ug/L	SM 6251B	09/12/18 04:21	SS	
Monochloroacetic Acid	ND	2.0	ug/L	SM 6251B	09/12/18 04:21	SS	NRPDc
Dichloroacetic Acid	1.4	1.0	ug/L	SM 6251B	09/12/18 04:21	SS	
Trichloroacetic Acid	2.2	1.0	ug/L	SM 6251B	09/12/18 04:21	SS	
Monobromoacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 04:21	SS	
Dibromoacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 04:21	SS	
Surrogate: 2,3-Dibromopropionic acid	97.5	% 70-130		SM 6251B	09/12/18 04:21	SS	



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Laboratory Reference Number

B810973-03

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
HG	Water	09/10/18 09:55	09/10/18 13:57

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Volatile Organic Compounds by EPA 524.2							
Total Trihalomethanes	2.7	0.50	ug/L	EPA 524.2	09/13/18 21:19	JES	
Bromodichloromethane	0.75	0.50	ug/L	EPA 524.2	09/13/18 21:19	JES	
Bromoform	ND	0.50	ug/L	EPA 524.2	09/13/18 21:19	JES	
Chloroform	1.1	0.50	ug/L	EPA 524.2	09/13/18 21:19	JES	
Dibromochloromethane	0.84	0.50	ug/L	EPA 524.2	09/13/18 21:19	JES	
Surrogate: 1,2-Dichloroethane-d4	102	% 50-150		EPA 524.2	09/13/18 21:19	JES	
Surrogate: 4-Bromofluorobenzene	90.6	% 50-150		EPA 524.2	09/13/18 21:19	JES	
Surrogate: Toluene-d8	103	% 50-150		EPA 524.2	09/13/18 21:19	JES	
Haloacetic Acid by Standard Methods 6251B							
HAA5	ND	2.0	ug/L	SM 6251B	09/12/18 04:45	SS	
Monochloroacetic Acid	ND	2.0	ug/L	SM 6251B	09/12/18 04:45	SS	NRPDc
Dichloroacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 04:45	SS	
Trichloroacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 04:45	SS	
Monobromoacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 04:45	SS	
Dibromoacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 04:45	SS	
Surrogate: 2,3-Dibromopropionic acid	94.5	% 70-130		SM 6251B	09/12/18 04:45	SS	



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Laboratory Reference Number

B810973-04

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Elm	Water	09/10/18 09:25	09/10/18 13:57

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Volatile Organic Compounds by EPA 524.2							
Total Trihalomethanes	0.56	0.50	ug/L	EPA 524.2	09/13/18 21:51	JES	
Bromodichloromethane	ND	0.50	ug/L	EPA 524.2	09/13/18 21:51	JES	
Bromoform	ND	0.50	ug/L	EPA 524.2	09/13/18 21:51	JES	
Chloroform	ND	0.50	ug/L	EPA 524.2	09/13/18 21:51	JES	
Dibromochloromethane	0.56	0.50	ug/L	EPA 524.2	09/13/18 21:51	JES	
Surrogate: 1,2-Dichloroethane-d4	99.5	% 50-150		EPA 524.2	09/13/18 21:51	JES	
Surrogate: 4-Bromofluorobenzene	94.9	% 50-150		EPA 524.2	09/13/18 21:51	JES	
Surrogate: Toluene-d8	102	% 50-150		EPA 524.2	09/13/18 21:51	JES	
Haloacetic Acid by Standard Methods 6251B							
HAA5	ND	2.0	ug/L	SM 6251B	09/12/18 05:09	SS	
Monochloroacetic Acid	ND	2.0	ug/L	SM 6251B	09/12/18 05:09	SS	NRPDc
Dichloroacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 05:09	SS	
Trichloroacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 05:09	SS	
Monobromoacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 05:09	SS	
Dibromoacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 05:09	SS	
Surrogate: 2,3-Dibromopropionic acid	96.1	% 70-130		SM 6251B	09/12/18 05:09	SS	



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Received on Ice (Y/N): Yes Temp: 9 °C

Laboratory Reference Number

B810973-05

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
TG	Water	09/10/18 09:15	09/10/18 13:57

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Volatile Organic Compounds by EPA 524.2							
Total Trihalomethanes	4.1	0.50	ug/L	EPA 524.2	09/13/18 22:22	JES	
Bromodichloromethane	0.92	0.50	ug/L	EPA 524.2	09/13/18 22:22	JES	
Bromoform	ND	0.50	ug/L	EPA 524.2	09/13/18 22:22	JES	
Chloroform	2.5	0.50	ug/L	EPA 524.2	09/13/18 22:22	JES	
Dibromochloromethane	0.62	0.50	ug/L	EPA 524.2	09/13/18 22:22	JES	
Surrogate: 1,2-Dichloroethane-d4	104	% 50-150		EPA 524.2	09/13/18 22:22	JES	
Surrogate: 4-Bromofluorobenzene	90.7	% 50-150		EPA 524.2	09/13/18 22:22	JES	
Surrogate: Toluene-d8	106	% 50-150		EPA 524.2	09/13/18 22:22	JES	
Haloacetic Acid by Standard Methods 6251B							
HAA5	ND	2.0	ug/L	SM 6251B	09/12/18 05:33	SS	
Monochloroacetic Acid	ND	2.0	ug/L	SM 6251B	09/12/18 05:33	SS	NRPDc
Dichloroacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 05:33	SS	
Trichloroacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 05:33	SS	
Monobromoacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 05:33	SS	
Dibromoacetic Acid	ND	1.0	ug/L	SM 6251B	09/12/18 05:33	SS	
Surrogate: 2,3-Dibromopropionic acid	99.1	% 70-130		SM 6251B	09/12/18 05:33	SS	



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Notes and Definitions

- NRPDc The RPD value for the LCS/LCSD did not meet laboratory acceptance criteria.
- ND: Analyte NOT DETECTED at or above the Method Detection Limit (if MDL is reported), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit
- * / " : NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted.

Cindy A. Waddell

cc: SDSHD

e-Short_No Alias.rpt

This report applies only to the sample(s) analyzed. As a mutual protection to clients, the public, and Babcock Laboratories, Inc., this report is submitted and accepted for the exclusive use of the Client to whom it is addressed. Interpretation and use of the information contained within this report are the sole responsibility of the Client. Babcock Laboratories, Inc. is not responsible for any misinformation or consequences that may result from misinterpretation or improper use of this report. This report is not to be modified or abbreviated in any way. Additionally, this report is not to be used, in whole or in part, in any advertising or publicity matter without written authorization from Babcock Laboratories, Inc. The liability of Babcock Laboratories, Inc. is limited to the actual cost of the requested analyses, unless otherwise agreed upon in writing. There is no other warranty expressed or implied.

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CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119



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E.S.BABCOCK & Sons, Inc.
Environmental Laboratories est. 1906

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www.babcocklabs.com

Chain of Custody & Sample Information Record

Client: <u>Idyllwild Water Dist</u>		Contact: <u>Jerry Johnson</u>		Fax No.		Additional Reporting Requests															
Phone No. <u>951-659-2143</u>		email:				<input type="checkbox"/> Include QC Data Package: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> FAX Results: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Email Results: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> State EDT: <input type="checkbox"/> Yes <input type="checkbox"/> No (Include Source Number in Notes)															
Project Name: <u>TTHM's 3RD Qtr</u>		Turn Around Time: 2-3 Days <u>5-7 Days</u>		*72 Hour Rush *48 Hour Rush *24 Hour Rush																	
Project Location:		*Lab TAT Approval: <u>5-7 Days</u> By:		*Additional Charges Apply																	
Sampler Information			# of Containers & Preservatives				Sample Type	Analysis Requested	Matrix	Notes											
Name: <u>Jerry Johnson</u>			Unpreserved																		
Employer: <u>IWD</u>			H ₂ SO ₄	HCl	HNO ₃	Na ₂ S ₂ O ₃	NaOH	NaOH/Zn Acetate	NH ₄ Cl	MCAA	Total # of Containers	Routine	Resample	Special							
Signature: <u>[Signature]</u>																					
Sample ID	Date	Time																			
<u>Zone 3 Station 5</u>	<u>9-10-18</u>	<u>10:30</u>				<u>2</u>		<u>4</u>			<u>6</u>	<u>X</u>		<u>6</u>						<u>DW Cl2 Res .80</u>	
<u>Zone 3 Station 7</u>	<u>9-10-18</u>	<u>9:45</u>				<u>2</u>		<u>4</u>			<u>6</u>	<u>X</u>		<u>6</u>						<u>DW Cl2 Res .50</u>	
<u>H6</u>	<u>9-10-18</u>	<u>9:55</u>				<u>2</u>		<u>4</u>			<u>6</u>	<u>X</u>		<u>6</u>						<u>DW Cl2 Res .50</u>	
<u>Elm</u>	<u>9-10-18</u>	<u>9:25</u>				<u>2</u>		<u>4</u>			<u>6</u>	<u>X</u>		<u>6</u>						<u>DW Cl2 Res .40</u>	
<u>T6</u>	<u>9-10-18</u>	<u>9:15</u>				<u>2</u>		<u>4</u>			<u>6</u>	<u>X</u>		<u>6</u>						<u>DW Cl2 Res .50</u>	
										<u>*vials are good</u> <u>NO H/S.</u> <u># 9/10/18</u>											
Relinquished By (sign)		Print Name / Company		Date / Time		Received By (sign)		Print Name / Company													
<u>[Signature]</u>		<u>Jerry Johnson IWD</u>		<u>9-10-18 1:57 PM</u>		<u>Alex Griffiths</u>		<u>Alex Griffiths / ESB</u>													
(For Lab Use Only) Sample Integrity Upon Receipt/Acceptance Criteria																					
Sample(s) Submitted on Ice? <input checked="" type="radio"/> Yes <input type="radio"/> No		Custody Seal(s) Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No <u>NA</u>		Sample meets laboratory acceptance criteria? <input checked="" type="radio"/> Yes <input type="radio"/> No		Permission to continue: <input checked="" type="radio"/> Yes <input type="radio"/> No		Deviation/Notes: _____		Signature/Date: _____											
Temperature: <u>9</u> °C <input type="checkbox"/> Cooler Blank																					
										Lab No. <u>B810973</u>											
										Logged in By/Date: <u>[Signature]</u> <u>SEP 10 2018</u>											
										Page <u>1</u> of <u>1</u>											
Rev. 3/09																					