

SUPPLEMENTAL REPORT

Work Orders: 7K21073 Report Date: 12/20/2017

Received Date: 11/21/2017

Project: Seawater - Carlsbad Desal Plant - WEEKLY

Turnaround Time: Normal

Phones: 1(619) 487-0760

Fax

P.O. #:

Billing Code:

Attn: Peter Shen

Client: IDE Americas, Inc. - Carlsbad CA

4590 Carlsbad Blvd Carlsbad, CA 92008

DoD-ELAP #L2457 • ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015

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.

Dear Peter Shen,

Enclosed are the results of analyses for samples received 11/21/17 with the Chain-of-Custody document. The samples were received in good condition, at 4.5 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Kim G. Tu Project Manager













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IDE Americas, Inc. - Carlsbad CA 4590 Carlsbad Blvd

WECK LABORATORIES, INC.

Project Number: Seawater - Carlsbad Desal Plant - WEEKLY

Reported: 12/20/2017 10:11

Carlsbad, CA 92008

Project Manager: Peter Shen



Case Narrative

This is a Supplement to the Certificate of Analysis previously issued 11/30/2017 for the above referenced Project to correct sampling date. -kgt



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
M-001 (17-3316)	Vanessa Hayes	7K21073-01	Water	11/17/17 08:00	
M-INF (17-3317)	Vanessa Hayes	7K21073-02	Water	11/17/17 07:55	
M-002 (17-3318)	Vanessa Hayes	7K21073-03	Water	11/17/17 08:05	



Not Certified Analyses Summary

Analyte	CAS#	Not Accredited By
Field in Water		
pH	PH	NELAP
Temperature, Degrees F		NELAP
SM 2520B in Water		
Salinity		NELAP

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Sample Results

Sample:	M-001 (17-3316)					Sampled:	11/17/17 8:00 by	Vanessa Hayes
	7K21073-01 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional	Chemistry/Physical Parameters by API	1A/EPA/ASTM Methods						
Method: EPA	A 1664B	Batch ID: W7K1370		Prepared: 11/27	7/17 08:58			Analyst: joh
Oil & Grea	ase (HEM)	ND	1.3	5.0	mg/l	1	11/27/17 15:20	
Method: SM	И 2520B	Batch ID: W7K1313		Prepared: 11/22	2/17 12:08			Analyst: stg
Salinity		32			ppt	1	11/22/17 15:57	
Method: SM	∕I 2540D	Batch ID: W7K1291		Prepared: 11/22	2/17 10:06			Analyst: mic
Total Sus	spended Solids	15		5	mg/l	1	11/22/17 18:19	
Field Determi	inations							
Method: Fie		Batch ID: W7K1251		Prepared: 11/21	/17 13:59			Analyst: _clnt
рН		7.83			pH Units	1	11/21/17 13:59	• -
Temperat	ture, Degrees F	51.9			°F	1	11/21/17 13:59	
Sample:	M-INF (17-3317)					Sampled:	11/17/17 7:55 by \	Vanessa Hayes
	7K21073-02 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional	Chemistry/Physical Parameters by AP	HA/EPA/ASTM Methods						
Method: SM	л 2520B	Batch ID: W7K1313		Prepared: 11/22	2/17 12:08			Analyst: stg
Salinity		33			ppt	1	11/22/17 15:57	
Field Determi	inations							
Method: Fie	eld	Batch ID: W7K1251		Prepared: 11/21	/17 13:59			Analyst: _clnt
		Batch ID: W7K1251 71.5		Prepared: 11/21	/17 13:59 °F	1	11/21/17 13:59	Analyst: _clnt
				Prepared: 11/21			11/21/17 13:59 11/17/17 8:05 by	• -
Temperat	ture, Degrees F			Prepared: 11/21				• -
Temperat	M-002 (17-3318)		MDL	Prepared: 11/21				• -
Sample:	M-002 (17-3318)	71.5	MDL		°F	Sampled:	11/17/17 8:05 by \	Vanessa Hayes
Sample:	M-002 (17-3318) 7K21073-03 (Water) Chemistry/Physical Parameters by API	71.5	MDL		°F Units	Sampled:	11/17/17 8:05 by \	Vanessa Hayes



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Quality Control Results

Conventional Chemistry/Physical Parameters	by APHA/EPA/ASTI	M Method	ls								
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifie
atch: W7K1291 - SM 2540D											
Blank (W7K1291-BLK1)					Prepared & A	nalyzed: 11/2	2/17				
Total Suspended Solids	ND		5	mg/l							
LCS (W7K1291-BS1)					Prepared & A	nalyzed: 11/2	2/17				
Total Suspended Solids	67.0		5	mg/l	62.7		107	90-110			
Duplicate (W7K1291-DUP1)	Source	e: 7K10002	!-01		Prepared & A	nalyzed: 11/2	2/17				
Total Suspended Solids	2.00		5	mg/l		2.00			0	20	
Duplicate (W7K1291-DUP2)	Source	e: 7K21089)-01		Prepared & A	nalyzed: 11/2	2/17				
Total Suspended Solids	453		5	mg/l	•	427			6	20	
atch: W7K1313 - SM 2520B											
Duplicate (W7K1313-DUP1)	Source	e: 7K21073	s-01		Prepared & A	nalyzed: 11/2	2/17				
Salinity	32.4			ppt	•	32.4			0.3	20	
atch: W7K1370 - EPA 1664B											
Blank (W7K1370-BLK1)					Prepared & A	nalyzed: 11/2	7/17				
Oil & Grease (HEM)	ND	1.3	5.0	mg/l							
LCS (W7K1370-BS1)					Prepared & A	nalyzed: 11/2	7/17				
Oil & Grease (HEM)	17.5	1.3	5.0	mg/l	20.0		88	78-114			
LCS (W7K1370-BS2)					Prepared & A	nalyzed: 11/2	7/17				
Oil & Grease (HEM)	4.20	1.3	5.0	mg/l	5.00		84	78-114			
LCS Dup (W7K1370-BSD1)					Prepared & A	nalyzed: 11/2	7/17				
Oil & Grease (HEM)	18.0	1.3	5.0	mg/l	20.0	,	90	78-114	3	18	



Carlsbad, CA 92008

Certificate of Analysis

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Notes and Definitions

J	Estimated conc. detected <mrl and="">MDL.</mrl>
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.

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