

D-TEK ANALYTICAL LABORATORIES, INC.  
2722 Loker Ave. West, Suite B  
Carlsbad, CA 92010  
(760) 930-2555 FAX (760) 930-2510

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KPM Research  
659 Neptune  
Encinitas, CA 92024

Date Sampled: 07/12/12  
Date Received: 07/24/12  
Date Reported: 08/02/12

Attn: David Boylan

Project ID: N/A  
Log Number: 12-3286  
Sample ID: Desal. From SRT 1.0

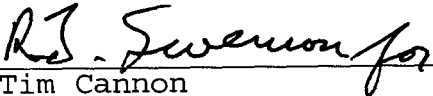
The following are attached:

- \* Analytical Report
- \* Quality Control Report
- \* Chain-of-Custody

Testing was conducted using EPA or equivalent methods approved by the State of California Department of Health Services. All applicable QC met the required acceptance criteria.

Thank you for choosing D-TEK to serve your analytical needs!

Reviewed and approved:

  
Tim Cannon  
Operations Manager

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KPM Research  
659 Neptune  
Encinitas, CA 92024

Date Reported: 08/02/12  
Date Sampled: 07/12/12  
Date Received: 07/24/12  
Sample Type: DR-WATER

Attn: David Boylan

Project ID: N/A

Log Number: 12-3286  
Sample ID: Desal. From SRT 1.0

ANALYTICAL RESULTS

Analysis	Results	Units	Method	Analyst/Date
Chloride	2.74	mg/L	EPA300.0	OJ 07/25/12
Total Cyanide	< 0.02	mg/L	SM4500CN-CE	OJ 07/31/12
TDS	10	mg/L	SM2540C	OJ 07/24/12
Sulfate	0.24	mg/L	EPA300.0	OJ 07/25/12
Arsenic	< 0.002	mg/L	SM3113B	DS 08/01/12
Cadmium	< 0.001	mg/L	SM3113B	DS 08/01/12
Calcium	1.93	mg/L	SM3120B	DS 08/01/12
Chromium	< 0.010	mg/L	SM3120B	DS 08/01/12
Lead	< 0.020	mg/L	None	DS 08/01/12
Magnesium	1.32	mg/L	SM3120B	DS 08/01/12
Potassium	< 2.00	mg/L	SM3120B	DS 08/01/12
Sodium	4.19	mg/L	SM3120B	DS 08/01/12

QUALITY CONTROL DATA REPORT

Report Date: 08/02/12

Log Number: 12-3286

- \* **LCS** - Laboratory Control Sample. The LCS is a blank spiked with a known amount of method analyte(s) obtained from independent standards and is carried through all sample preparation and analytical procedures. Recoveries are calculated in order to evaluate method accuracy.
- \* **Spike** - The spike is an actual sample spiked with a known amount of method analyte(s) and is carried through all sample preparation and analytical procedures. Recoveries are calculated in order to evaluate potential matrix interferences.
- \* **RPD** = Rel % Difference =  $((\text{Result 1} - \text{Result 2}) / \text{Average Result}) \times 100\%$   
The RPD provides a measure of method precision by comparing analytical results of 2 duplicate samples.
- \* **% Recovery** =  $((\text{Spike Sample Result} - \text{Sample Result}) / \text{Spike Conc}) \times 100\%$   
The result of the unspiked sample is treated as zero if it is less than established reporting limits.

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QUALITY CONTROL DATA REPORT  
Method(s): Inorganics

Report Date: 08/02/12

Log Number: 12-3286

No target analytes were detected in the Method Blanks.

Analysis	Method	LCS % Recovery	Spike % Recovery	Duplicate RPD
Chloride	EPA300.0	99	100	2
Total Cyanide	SM4500CN-CE	100		
TDS	SM2540C	96		
Sulfate	EPA300.0	95	95	2
Arsenic	SM3113B	100	104	1
Cadmium	SM3113B	99	98	1
Calcium	SM3120B	98	100	4
Chromium	SM3120B	99	88	1
Lead	None	99	104	7
Magnesium	SM3120B	97	108	3
Potassium	SM3120B	97	106	2
Sodium	SM3120B	98	88	3

