7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 º Fax 804-271-6446
www.waypointanalytical.com

10/31/2018

Denali Water
Cindy Duenes
2001 Key Street
Colton, CA, 92324

Ref: Analytical Testing
Report Number: 18-296-0206
Project Description: SLR

Dear Cindy Duenes:
Waypoint Analytical Virginia, Inc. received sample(s) on 10/23/2018 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Sub-contracted testing is noted on the Sample Summary Table if applicable.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Pauric McGroary
Agronomist

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Arizona	AZ0629	New Jersey	VA011	Pennsylvania	68-03109	Virginia	460014
Florida	E871087	North Carolina	257	South Carolina	93007		

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Sample Summary Table

Report Number: **18-296-0206**

Client Project Description: **SLR**

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
63259	SLR	Solids	10/19/2018 11:30	10/23/2018		
63259	SLR	Solids	10/19/2018 11:30	10/23/2018	SM-4500-NH3C	WTN
63259	SLR	Solids	10/19/2018 11:30	10/23/2018	9045D	WTN
63259	SLR	Solids	10/19/2018 11:30	10/23/2018	4500NO3F-2011	WTN
63259	SLR	Solids	10/19/2018 11:30	10/23/2018	6010D	WTN
63259	SLR	Solids	10/19/2018 11:30	10/23/2018	SW-7471B	WTN
63259	SLR	Solids	10/19/2018 11:30	10/23/2018	SM-4500-NH3C-TKN	WTN
63259	SLR	Solids	10/19/2018 11:30	10/23/2018	SM-2540G	WTN

WTN: Waypoint Analytical - TN, Memphis, TN, Certification: #1354

Report Number: 18-296-0206
Account Number: 11035

Waypoint ANALYTICAL

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Send To: Denali Water
Cindy Duenes
2001 Key Street
Colton , CA 92324

Project : SLR

REPORT OF ANALYSIS

Lab Number : 63259
Sample Id : SLR

Date Sampled: 10/19/2018 11:30:00
Date Received: 10/23/2018 00:00
Date Reported: 10/31/2018

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Total Solids *	24.40	244000	100.0	CJR	10/26/2018 15:24	SM-2540G
Moisture *	75.60		100.0	CJR	10/26/2018 15:24	SM-2540G
Total Kjeldahl Nitrogen	5.16	51600	250	CLP	10/29/2018 13:20	SM-4500-NH3C-TKN
Phosphorus	5.01	50100	50.0	KKM	10/28/2018 20:07	6010D
Potassium	0.23	2330	50.0	JTR	10/27/2018 05:39	6010D
Sulfur	1.92	19200	50.0	JTR	10/27/2018 05:39	6010D
Calcium	3.07	30700	100	JTR	10/27/2018 05:39	6010D
Magnesium	1.16	11600	50.0	KKM	10/28/2018 20:07	6010D
Sodium	0.10	1040	250	JTR	10/27/2018 05:39	6010D
Iron		78100	50.0	JTR	10/27/2018 05:39	6010D
Aluminum		2580	50.0	JTR	10/27/2018 05:39	6010D
Manganese		458	5.00	JTR	10/27/2018 05:39	6010D
Copper		234	2.50	KKM	10/28/2018 20:07	6010D
Zinc		548	5.00	JTR	10/27/2018 05:39	6010D
Ammonia Nitrogen	0.93	9300	100	ZBD	10/30/2018 14:00	SM-4500-NH3C
Organic N	4.23	42300	250		10/29/2018 13:20	CALCULATION
Nitrate+Nitrite-N		<4.50	4.50	ZBD	10/30/2018 15:19	4500NO3F-2011

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

B - Analyte detected in blank **H - Beyond Holding Time**

Pauric McGroary

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Pauric McGroary
Agronomist

Report Number: 18-296-0206
Account Number: 11035

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2001 Key Street
Colton , CA 92324

Project : SLR

REPORT OF ANALYSIS

Lab Number : 63259
Sample Id : SLR

Date Sampled: 10/19/2018 11:30:00
Date Received: 10/23/2018 00:00
Date Reported: 10/31/2018

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Cadmium		<1.00	1.00	JTR	10/27/2018 05:39	6010D
Chromium		62.4	2.50	JTR	10/27/2018 05:39	6010D
Nickel		53.9	2.50	JTR	10/27/2018 05:39	6010D
Lead		3.44	3.00	JTR	10/27/2018 05:39	6010D
Arsenic		<5.00	5.00	JTR	10/27/2018 05:39	6010D
Mercury		0.253	0.0779	KKM	10/26/2018 12:15	SW-7471B
Selenium		6.35	5.00	KKM	10/28/2018 20:07	6010D
pH *	7.8			RMW	10/26/2018 08:42	9045D
Molybdenum		15.4	2.50	JTR	10/27/2018 05:39	6010D

Comments:

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

B - Analyte detected in blank **H - Beyond Holding Time**

Pauric McGroary

Pauric McGroary
Agronomist

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Cooler Receipt Form

Customer Number: **11035**
Customer Name: **Denali Water**
Report Number: **18-296-0206**

Shipping Method

● Fed Ex ○ US Postal ○ Lab ○ Other :
○ UPS ○ Client ○ Courier Thermometer ID:

Shipping container/cooler uncompromised?	● Yes	○ No	
Number of coolers received	1		
Custody seals intact on shipping container/cooler?	○ Yes	○ No	● Not Required
Custody seals intact on sample bottles?	○ Yes	○ No	● Not Required
Chain of Custody (COC) present?	● Yes	○ No	
COC agrees with sample label(s)?	● Yes	○ No	
COC properly completed	● Yes	○ No	
Samples in proper containers?	● Yes	○ No	
Sample containers intact?	● Yes	○ No	
Sufficient sample volume for indicated test(s)?	● Yes	○ No	
All samples received within holding time?	● Yes	○ No	
Cooler temperature in compliance?	○ Yes	● No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	○ Yes	● No	
Water - Sample containers properly preserved	○ Yes	○ No	● N/A
Water - VOA vials free of headspace	○ Yes	○ No	● N/A
Trip Blanks received with VOAs	○ Yes	○ No	● N/A
Soil VOA method 5035 – compliance criteria met	○ Yes	○ No	● N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	○ Yes	● No

Comments:

Signature: Brandi Watson Date & Time: 10/23/2018 12:43:38

SAMPLE TRANSMITTAL FORM/CHAIN OF CUSTODY

Account # 11035

7621 Whitepine Rc

Denali Water
SLR

18-296-0206
11035
10-23-2018
12:43:25

il: office@al-labs-eastern.com

Submitted By		Copy To
Denali Water Solutions	Denali Water Solutions	
Franklin Ave STEA	Franklin Ave STEA	chrisamarks@comcast.net
Riverside CA 92507	Riverside CA 92507	jrsaint@gmail.com

Project

Sample Information

Sample ID	Lab Number (Lab Use Only)	Collection Information			Container Information			Please Check Desired Tests									
		Type	Date	Time	Number of Bottles	Type	Volume	SL1	SL2	503 Metals	Nitrogen Series	pH	CCE	Ag	Cl	Volatile Solids	Test Package
LS		_x__ Grab __ Composite	10/19/2018	1100	1	___ Glass _X_ Plastic	___ oz ___ pint __X__ qt					X					SLSOSO
MBC		_x__ Grab __ Composite	10/19/2018	1200	1	___ Glass _X_ Plastic	___ oz ___ pint X qt					X					SLSOSO
SLR	63259	_X__ Grab __ Composite	10/19/2018	1130	1	___ Glass _X_ Plastic	___ oz ___ pint X qt					X					SLSOSO
		_X__ Grab __ Composite				___ Glass _X_ Plastic	___ oz ___ pint X qt										SLSOSO

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
Joel santos (esignature)	10/19/2018	1200			
Fed Ex	10/23/18				

Test Package Details

SL1: Total Solids (Moisture) Total Kjeldahl Nitrogen, Phosphorus and Potassium
SL2: Basic Test SL1 plus Sulfur, Calcium, Magnesium,Sodium, Iron, Aluminum, Manganese, Copper And Zinc
503 Metals: Arsenic, Cadmium, Chromium, Mercury, Molybdenum, Lead, Nickel, Selenium. (Copper & Zinc included in SL2)
Nitrogen Series: Total Kjeldahl, Ammonium, Nitrate & Organic Nitrogen.
CCE: Calcium Carbonate Equivalent or Total neutralization Value (For Lime Treated Sludge)

Special Instructions or Remarks

No ice

Denali_006571