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

4/16/2019

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

Ref: Analytical Testing
Report Number: 19-098-0206
Project Description: EMWD Mo Valley

Dear Cindy Duenes:
Waypoint Analytical Virginia, Inc. received sample(s) on 4/8/2019 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.

Virginia 460014

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Sample Summary Table

Report Number: **19-098-0206**

Client Project Description: **EMWD Mo Valley**

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019		
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	SM-4500-NH3C	WTN
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	SM-4500-NH3C-TKN	WTN
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	4500NO3F-2011	WTN
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	6010D	WTN
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	SW-7471B	WTN
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	SM-2540G	WTN

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

Report Number: 19-098-0206
Account Number: 11035

Waypoint ANALYTICAL

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

Project : EMWD Mo Valley

REPORT OF ANALYSIS

Lab Number : 65780
Sample Id : EMWD Mo Valley

Date Sampled: 4/2/2019 13:00:00
Date Received: 04/08/2019 00:00
Date Reported: 04/16/2019

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Total Solids *	21.40	214000	100.0	CJR	04/09/2019 15:20	SM-2540G
Moisture *	78.60		100.0	CJR	04/09/2019 15:20	SM-2540G
Total Kjeldahl Nitrogen	7.62	76200	250	CLP	04/15/2019 12:30	SM-4500-NH3C-TKN
Phosphorus	1.94	19400	50.0	BKN	04/13/2019 07:18	6010D
Potassium	0.15	1520	50.0	BKN	04/13/2019 07:18	6010D
Sulfur	1.03	10300	50.0	BKN	04/13/2019 07:18	6010D
Calcium	1.83	18300	250	BKN	04/13/2019 07:18	6010D
Magnesium	0.41	4130	50.0	BKN	04/13/2019 07:18	6010D
Sodium	0.09	858	250	BKN	04/13/2019 07:18	6010D
Iron		11200	50.0	BKN	04/13/2019 07:18	6010D
Aluminum		3510	50.0	BKN	04/13/2019 07:18	6010D
Manganese		150	5.00	BKN	04/13/2019 07:18	6010D
Copper		196	2.50	BKN	04/13/2019 07:18	6010D
Zinc		550	12.5	BKN	04/13/2019 07:18	6010D
Ammonia Nitrogen	1.20	12000	100	JPJ	04/15/2019 15:30	SM-4500-NH3C
Organic N	6.42	64200	250		04/15/2019 12:30	CALCULATION
Nitrate+Nitrite-N		29.7	4.88	ZBD	04/15/2019 12:52	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

Pauric McGroary
Agronomist

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Report Number: 19-098-0206
Account Number: 11035

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

Project : EMWD Mo Valley

REPORT OF ANALYSIS

Lab Number : 65780
Sample Id : EMWD Mo Valley

Date Sampled: 4/2/2019 13:00:00
Date Received: 04/08/2019 00:00
Date Reported: 04/16/2019

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Cadmium		<1.00	1.00	BKN	04/13/2019 07:18	6010D
Chromium		21.2	2.50	BKN	04/13/2019 07:18	6010D
Nickel		15.8	2.50	BKN	04/13/2019 07:18	6010D
Lead		4.80	3.00	BKN	04/13/2019 07:18	6010D
Arsenic		<5.00	5.00	BKN	04/13/2019 07:18	6010D
Mercury		0.682	0.0159	TJS	04/11/2019 12:07	SW-7471B
Selenium		<5.00	5.00	BKN	04/13/2019 07:18	6010D
Molybdenum		11.0	2.50	BKN	04/13/2019 07:18	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: **19-098-0206**

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: 04/08/2019 14:26:14

SAMPLE TRANSMITTAL FO[illegible]/CHAIN OF CUSTODY

[illegible]unt # 11035

7621 Whitepine Road Richmor[illegible] [illegible]l-labs-eastern.com

19-098-0206
11035
04-08-2019
14:25:49
Denali Water
EMWD Mo Valley

Submitted By		Copy To
Denali Water Solutions		
3031 Franklin Ave STE A	3031 Franklin Ave STE A	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
EMWD San Jacinto		_X__ Grab __ Composite	4/2/2019	1200	1	___ Glass _X_ Plastic	___ oz ___pint __X__qt										SLSOSO & p
EMWD Mo Valley	65780	_X__ Grab __ Composite	4/2/2019	1300	1	___ Glass _X_ Plastic	___ oz ___pint X qt										SLSOSO & p
		_X__ Grab __ Composite				___ Glass _X_ Plastic	___ oz ___pint X qt										SLSOSO & p
		_X__ Grab __ Composite				___ Glass _X_ Plastic	___ oz ___pint X qt										SLSOSO & p

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
Joel santos (esignature)	4/2/2019	1500			
Fedex	4/8/19				

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

Cooler - No ice packed at all

Denali_006891