

APPENDIX G

SEDIMENTS CHARACTERISTICS SUMMARY

Memorandum

Prepared by Nature Collective,
Moffatt & Nichol, AECOM, Merkel & Associates,
and Nordby Biological Consulting

To Tim Stillinger, Nature Collective

Subject San Elijo Lagoon Restoration Project Sediments Characteristics Study

From Cindy Kinkade, AECOM

Date July 2022

Introduction

The San Elijo Lagoon Restoration Project has been implemented by Nature Collective, San Diego Association of Governments, and California Department of Transportation District 11 to enhance and restore the physical and biological functions and services of San Elijo Lagoon. These efforts included increasing hydraulic efficiency in the lagoon, improving pre-construction water quality impairments, and halting ongoing conversion of unvegetated wetland habitats (mudflat) to vegetated salt marsh with the goal of restoring a more connected gradient of balanced habitat types. Success of the restoration effort is being measured through the implementation of a monitoring program developed in coordination with various permitting and approval agencies, including California Coastal Commission, U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, and California Regional Water Quality Control Board.

This report documents the results of the sediment sampling surveys. The data below will provide information related to the sediments as part of the monitoring program as defined in *Wetland Habitat and Hydrology Monitoring Plan for the San Elijo Lagoon Restoration Project* (Monitoring Plan) (Nature Collective 2020). The 2020 and 2021 soils report are provided as Attachments 1 and 2. Sediment quality is being collected for information only.

Approach

In October 2020 and November 2021, sediment samples were collected from the upper, middle, and lower tidal elevations at the same 18 sampling stations where invertebrate communities were assessed per the Monitoring Plan. Total nitrogen (TN), total organic carbon (TOC), and sediment grain size were analyzed. TN and TOC are reported as percentages by dry weight basis of the dried sediment samples.

Results

Table 1-1. 2020 Sediment Sample Total Organic Carbon and Total Nitrogen

Sampling Station	Total Organic Carbon (%- dry weight basis)	Total Nitrogen (%- dry weight basis)
<i>Tidal Channel</i>		
TC1	0.45	0.06
TC2	0.26	0.06
TC3	0.98	0.06
TC4	1.70	0.18
TC5	0.90	0.14
TC6	1.40	0.13
TC7	0.76	0.10
TC8	0.79	0.09
TC9	0.94	0.13
<i>Average</i>	0.91	0.11
<i>Main Channel</i>		
MC1	0.54	0.07
MC2	0.37	0.05
MC3	0.53	0.07
MC4	0.80	0.08
MC5	1.20	0.07
MC6	0.53	0.16
MC7	1.50	0.09
MC8	2.50	0.12
MC9	0.68	0.10
<i>Average</i>	0.96	0.09

Table 1-2. 2021 Sediment Sample Total Organic Carbon and Total Nitrogen

Sampling Station	Total Organic Carbon (%- dry weight basis)	Total Nitrogen (%- dry weight basis)
<i>Tidal Channel</i>		
TC1	.37	.07
TC2	.15	.03
TC3	.52	.06
TC4	.74	.12
TC5	.57	.09
TC6	.52	.08
TC7	.67	.08
TC8	.69	.08
TC9	.79	.07
<i>Average</i>	.56	0.08
<i>Main Channel</i>		
MC1	.56	.06
MC2	.28	.06
MC3	.28	.03
MC4	.41	.04

Sampling Station	Total Organic Carbon (%- dry weight basis)	Total Nitrogen (%- dry weight basis)
MC5	.57	.06
MC6	.35	.04
MC7	.84	.10
MC8	.87	.09
MC9	.41	.05
Average	.51	0.06

Table 1-3. 2020 Sediment Sample Grain Size Analysis

Sampling Station	Overall Texture	Clay (%)	Silt (%)	Sand (%) – (Details in Table 9-5)	Gravel (%) >2mm	Gravel (%) >1/4 Inch	Gravel (%) >1/2 Inch
<i>Tidal Channel</i>							
TC1	very fine sand	8.7	29.5	61.8	0.0	0	0
TC2	fine sand	6.1	21.4	72.5	0.0	0	0
TC3	silt	18.8	54.8	26.4	0.0	0	0
TC4	silt	13.1	60.5	26.4	0.0	0	0
TC5	silt	10.7	52.8	36.5	0.0	0	0
TC6	silt	15.2	64.4	20.4	0.0	0	0
TC7	silt	25.3	60.8	13.8	0.0	0	0
TC8	silt	16.2	67.8	16.1	0.0	0	0
TC9	silt	19.6	62.1	18.4	0.0	0	0
Average	-	14.9	52.7	32.5	0.0	0	0
<i>Main Channel</i>							
MC1	very fine sand	12.6	40.8	46.6	0.0	0	0
MC2	very fine sand	16.3	42.7	41.0	0.0	0	0
MC3	silt	15.1	56.1	28.8	0.0	0	0
MC4	silt	11.3	51.5	37.3	0.0	0	0
MC5	silt	21.8	55.2	23.0	0.0	0	0
MC6	silt	32.3	58.3	9.39	0.0	0	0
MC7	silt	20.0	67.6	12.5	0.0	0	0
MC8	silt	15.6	63.7	20.8	0.0	0	0
MC9	silt	39.7	57.6	2.7	0.0	0	0
Average	-	20.5	54.8	24.7	0.0	0	0

mm = millimeters

Table 1-4. 2021 Sediment Sample Grain Size Analysis

Sampling Station	Overall Texture	Clay (%)	Silt (%)	Sand (%) – (Details in Table 9-6)	Gravel (%) >2mm	Gravel (%) >1/4 Inch	Gravel (%) >1/2 Inch
<i>Tidal Channel</i>							
TC1	fine sand	11.0	35.6	53.4	0	0	0
TC2	fine sand	4.29	16.0	95.72	0	0	0
TC3	silt	13.3	52.6	34.1	0	0	0
TC4	silt	17.4	58.6	24.0	0	0	0
TC5	silt	14.2	59.9	25.93	0	0	0
TC6	silt	14.3	64.2	21.4	0	0	0
TC7	silt	27.6	64.0	8.4	0	0	0
TC8	silt	24.3	65.1	10.59	0	0	0
TC9	silt	15.5	62.6	21.92	0	0	0
<i>Average</i>	-	15.8	53.2	32.8	0	0	0
<i>Main Channel</i>							
MC1	silt	14.3	49.9	35.9	0	0	0
MC2	fine sand	12.5	34.3	53.2	0	0	0
MC3	silt	13.4	35.0	51.5	0	0	0
MC4	medium sand	1.3	4.5	86.9	7.3	0	0
MC5	silt	28.1	58.6	13.3	0	0	0
MC6	medium sand	8.7	16.7	73.03	1.63	0	0
MC7	silt	26.8	65.1	8.2	0	0	0
MC8	silt	15.2	64.4	20.4	0	0	0
MC9	silt	19.9	60.1	19.8	0	0	0
<i>Average</i>	-	15.6	43.2	40.2	1.0	0	0

mm = millimeters

Table 1-5. 2020 Sand Size Analysis

Sampling Station	Very Coarse Sand (1–2mm)	Coarse Sand (0.5–1mm)	Medium Sand (0.25–0.5mm)	Fine Sand (0.125–0.25mm)	Very Fine Sand (0.0625–0.125mm)
<i>Tidal Channel</i>					
TC1	0.0	0.2	5.60	40.6	15.4
TC2	0.0	0.0	6.26	47.8	18.5
TC3	0.0	0.0	0.0	14.0	12.4
TC4	0.0	0.0	0.0	14.0	12.5
TC5	0.0	0.0	0.0	22.3	14.1
TC6	0.0	0.0	0.0	8.7	11.8
TC7	0.0	0.0	0.0	2.4	11.5
TC8	0.0	0.0	0.0	5.1	11.0
TC9	0.0	0.0	0.0	3.5	14.9
<i>Average</i>	<i>0.0</i>	<i>0.0</i>	<i>1.3</i>	<i>17.6</i>	<i>13.6</i>
<i>Main Channel</i>					
MC1	0.0	0.0	3.1	26.8	16.8
MC2	0.0	0.0	1.6	25.2	14.2
MC3	0.0	0.0	0.0	13.4	15.4
MC4	0.0	0.0	0.01	22.4	14.8
MC5	0.0	0.0	0.0	9.0	14.0
MC6	0.0	0.0	0.0	0.9	8.5
MC7	0.0	0.0	0.0	1.8	10.7
MC8	0.0	0.0	0.0	7.1	13.7
MC9	0.0	0.0	0.0	0.0	2.7
<i>Average</i>	<i>0.0</i>	<i>0.0</i>	<i>0.5</i>	<i>11.8</i>	<i>12.3</i>

mm = millimeters

Table 1-6. 2021 Sand Size Analysis

Sampling Station	Very Coarse Sand (1–2mm)	Coarse Sand (0.5–1mm)	Medium Sand (0.25–0.5mm)	Fine Sand (0.125–0.25mm)	Very Fine Sand (0.0625–0.125mm)
<i>Tidal Channel</i>					
TC1	0.0	0.0	0.5	38.5	14.4
TC2	0.0	0.0	4.0	59.2	16.5
TC3	0.0	0.0	0.0	13.8	20.3
TC4	0.0	0.0	0.0	4.6	19.4
TC5	0.0	0.0	0.0	5.5	20.4
TC6	0.0	0.0	0.0	3.8	17.7
TC7	0.0	0.0	0.0	0.0	8.4
TC8	0.0	0.0	0.0	0.1	10.5
TC9	0.0	0.0	0.0	2.4	19.5
<i>Average</i>	<i>0</i>	<i>0</i>	<i>0.5</i>	<i>14.2</i>	<i>16.3</i>
<i>Main Channel</i>					
MC1	0.0	0.0	0.0	7.7	28.1
MC2	0.0	0.0	0.0	35.9	17.3
MC3	0.0	0.0	0.0	31.1	20.4
MC4	5.1	21.8	28.7	23.5	7.7
MC5	0.0	0.0	0.0	0.0	13.3
MC6	0.0	6.6	34.7	24.8	7.0
MC7	0.0	0.0	0.0	0.0	8.2
MC8	0.0	0.0	0.0	1.6	18.8
MC9	0.0	0.0	0.0	1.2	18.6
<i>Average</i>	<i>0.6</i>	<i>3.2</i>	<i>7.04</i>	<i>14.0</i>	<i>15.5</i>

mm = millimeters

References

Nature Collective. 2020. *Wetland Habitat and Hydrology Monitoring Plan for the San Elijo Lagoon Restoration Project*. Prepared by AECOM, Nordby Biological Consulting, and Moffatt & Nichol.

Attachment 1

2020 Soils Report



Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience Irvine
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Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

Laboratory Job ID: 440-273975-1
Client Project/Site: San Elijo

For:
San Elijo Joint Powers Auth.
2695 Manchester Avenue
Cardiff, California 92007

Attn: Susie Arredondo

Authorized for release by:
11/21/2020 6:10:13 AM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
440-273975-1	San Elijo Lagoon MC #1	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-2	San Elijo Lagoon MC #2	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-3	San Elijo Lagoon MC #3	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-4	San Elijo Lagoon MC #4	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-5	San Elijo Lagoon MC #5	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-6	San Elijo Lagoon MC #6	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-7	San Elijo Lagoon TC #1	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-8	San Elijo Lagoon TC #2	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-9	San Elijo Lagoon TC #3	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-10	San Elijo Lagoon TC #4	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-11	San Elijo Lagoon TC #5	Solid	10/28/20 11:30	10/29/20 16:30	
440-273975-12	San Elijo Lagoon TC #6	Solid	10/28/20 11:30	10/29/20 16:30	

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Case Narrative

Client: San Elijo Joint Powers Auth.

Project/Site: San Elijo

Job ID: 440-273975-1

Job ID: 440-273975-1

Laboratory: Eurofins Calscience Irvine

Narrative

Job Narrative 440-273975-1

Comments

No additional comments.

Receipt

The samples were received on 10/29/2020 4:30 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.4° C.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method D4464: The sample duplicate precision for the following sample associated with analytical batch 570-110042 was flagged as being outside control limits due to a LIMS limitation: San Elijo Lagoon TC #2 (440-273975-8) and (440-273975-A-8 DU). The mean grain size for the sample and sample duplicate were within RPD acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Client Sample ID: San Elijo Lagoon MC #1

Lab Sample ID: 440-273975-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	5400		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	670		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	670		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	12.61		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	26.77		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	3.08		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	40.78		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	53.39		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	16.76		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #2

Lab Sample ID: 440-273975-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	3700		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	500		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	500		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	16.32		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	25.23		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	1.57		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	42.68		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	59.00		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	14.20		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #3

Lab Sample ID: 440-273975-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	5300		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	700		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	700		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	15.16		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	13.41		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	56.08		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	71.24		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	15.35		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #4

Lab Sample ID: 440-273975-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	8000		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	790		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	790		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	11.28		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	22.43		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	0.01		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	51.48		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	62.76		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	14.81		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #5

Lab Sample ID: 440-273975-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	12000		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	710		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience Irvine

Detection Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Client Sample ID: San Elijo Lagoon MC #5 (Continued)

Lab Sample ID: 440-273975-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Nitrogen	710		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	21.80		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	9.01		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	55.18		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	76.98		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	14.01		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #6

Lab Sample ID: 440-273975-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	5300		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	1600		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	1600		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	32.27		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	0.87		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	58.34		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	90.61		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	8.52		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #1

Lab Sample ID: 440-273975-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	4500		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	570		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	570		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	8.69		0.01	0.01	%	1		D4464	Total/NA
Coarse Sand (0.5mm to 1mm)	0.16		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	40.64		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	5.60		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	29.53		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	38.22		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	15.39		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #2

Lab Sample ID: 440-273975-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	2600		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	600		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	600		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	6.08		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	47.76		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	6.26		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	21.44		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	27.52		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	18.46		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #3

Lab Sample ID: 440-273975-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	9800		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	610		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	610		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	18.81		0.01	0.01	%	1		D4464	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience Irvine

Detection Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Client Sample ID: San Elijo Lagoon TC #3 (Continued)

Lab Sample ID: 440-273975-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fine Sand (0.125 to 0.25mm)	13.99		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	0.04		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	54.76		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	73.57		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	12.40		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #4

Lab Sample ID: 440-273975-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	17000		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	1800		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	1800		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	13.08		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	13.97		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	0.01		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	60.49		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	73.57		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	12.45		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #5

Lab Sample ID: 440-273975-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	9000		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	1400		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	1400		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	10.69		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	22.33		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	0.04		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	52.82		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	63.52		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	14.11		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #6

Lab Sample ID: 440-273975-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Average Dup	14000		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	1300		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	1300		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	15.18		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	8.65		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	64.39		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	79.57		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	11.77		0.01	0.01	%	1		D4464	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience Irvine

Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Client Sample ID: San Elijo Lagoon MC #1

Lab Sample ID: 440-273975-1

Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	5400		2000	97	mg/Kg			11/05/20 19:28	1
Dup									
Total Kjeldahl Nitrogen	670		200	110	mg/Kg		11/18/20 15:00	11/18/20 23:44	1
Total Nitrogen	670		10	5.5	mg/Kg			11/18/20 23:44	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	12.61		0.01	0.01	%			11/16/20 13:52	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 13:52	1
Fine Sand (0.125 to 0.25mm)	26.77		0.01	0.01	%			11/16/20 13:52	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 13:52	1
Medium Sand (0.25 to 0.5 mm)	3.08		0.01	0.01	%			11/16/20 13:52	1
Silt (0.00391 to 0.0625mm)	40.78		0.01	0.01	%			11/16/20 13:52	1
Total Silt and Clay (0 to 0.0626mm)	53.39		0.01	0.01	%			11/16/20 13:52	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 13:52	1
Very Fine Sand (0.0625 to 0.125 mm)	16.76		0.01	0.01	%			11/16/20 13:52	1

Client Sample ID: San Elijo Lagoon MC #2

Lab Sample ID: 440-273975-2

Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	3700		2000	97	mg/Kg			11/05/20 19:32	1
Dup									
Total Kjeldahl Nitrogen	500		200	110	mg/Kg		11/18/20 15:00	11/18/20 23:44	1
Total Nitrogen	500		10	5.5	mg/Kg			11/18/20 23:44	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	16.32		0.01	0.01	%			11/16/20 14:01	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 14:01	1
Fine Sand (0.125 to 0.25mm)	25.23		0.01	0.01	%			11/16/20 14:01	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 14:01	1
Medium Sand (0.25 to 0.5 mm)	1.57		0.01	0.01	%			11/16/20 14:01	1
Silt (0.00391 to 0.0625mm)	42.68		0.01	0.01	%			11/16/20 14:01	1
Total Silt and Clay (0 to 0.0626mm)	59.00		0.01	0.01	%			11/16/20 14:01	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 14:01	1
Very Fine Sand (0.0625 to 0.125 mm)	14.20		0.01	0.01	%			11/16/20 14:01	1

Client Sample ID: San Elijo Lagoon MC #3

Lab Sample ID: 440-273975-3

Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	5300		2000	97	mg/Kg			11/05/20 19:37	1
Dup									
Total Kjeldahl Nitrogen	700		200	110	mg/Kg		11/18/20 15:00	11/18/20 23:44	1
Total Nitrogen	700		10	5.5	mg/Kg			11/18/20 23:44	1

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Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Client Sample ID: San Elijo Lagoon MC #3
Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

Lab Sample ID: 440-273975-3
Matrix: Solid

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	15.16		0.01	0.01	%			11/16/20 14:08	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 14:08	1
Fine Sand (0.125 to 0.25mm)	13.41		0.01	0.01	%			11/16/20 14:08	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 14:08	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/16/20 14:08	1
Silt (0.00391 to 0.0625mm)	56.08		0.01	0.01	%			11/16/20 14:08	1
Total Silt and Clay (0 to 0.0626mm)	71.24		0.01	0.01	%			11/16/20 14:08	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 14:08	1
Very Fine Sand (0.0625 to 0.125 mm)	15.35		0.01	0.01	%			11/16/20 14:08	1

Client Sample ID: San Elijo Lagoon MC #4

Lab Sample ID: 440-273975-4
Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	8000		2000	97	mg/Kg			11/05/20 19:41	1
Dup									
Total Kjeldahl Nitrogen	790		200	110	mg/Kg		11/18/20 15:00	11/18/20 23:44	1
Total Nitrogen	790		10	5.5	mg/Kg			11/18/20 23:44	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	11.28		0.01	0.01	%			11/16/20 14:13	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 14:13	1
Fine Sand (0.125 to 0.25mm)	22.43		0.01	0.01	%			11/16/20 14:13	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 14:13	1
Medium Sand (0.25 to 0.5 mm)	0.01		0.01	0.01	%			11/16/20 14:13	1
Silt (0.00391 to 0.0625mm)	51.48		0.01	0.01	%			11/16/20 14:13	1
Total Silt and Clay (0 to 0.0626mm)	62.76		0.01	0.01	%			11/16/20 14:13	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 14:13	1
Very Fine Sand (0.0625 to 0.125 mm)	14.81		0.01	0.01	%			11/16/20 14:13	1

Client Sample ID: San Elijo Lagoon MC #5

Lab Sample ID: 440-273975-5
Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	12000		2000	97	mg/Kg			11/05/20 19:45	1
Dup									
Total Kjeldahl Nitrogen	710		200	110	mg/Kg		11/18/20 15:00	11/18/20 23:44	1
Total Nitrogen	710		10	5.5	mg/Kg			11/18/20 23:44	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	21.80		0.01	0.01	%			11/16/20 14:20	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 14:20	1
Fine Sand (0.125 to 0.25mm)	9.01		0.01	0.01	%			11/16/20 14:20	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 14:20	1

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Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Client Sample ID: San Elijo Lagoon MC #5

Lab Sample ID: 440-273975-5

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/16/20 14:20	1
Silt (0.00391 to 0.0625mm)	55.18		0.01	0.01	%			11/16/20 14:20	1
Total Silt and Clay (0 to 0.0626mm)	76.98		0.01	0.01	%			11/16/20 14:20	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 14:20	1
Very Fine Sand (0.0625 to 0.125 mm)	14.01		0.01	0.01	%			11/16/20 14:20	1

Client Sample ID: San Elijo Lagoon MC #6

Lab Sample ID: 440-273975-6

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	5300		2000	97	mg/Kg			11/05/20 19:50	1
Dup									
Total Kjeldahl Nitrogen	1600		200	110	mg/Kg	11/18/20 15:00		11/18/20 23:44	1
Total Nitrogen	1600		10	5.5	mg/Kg			11/18/20 23:44	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	32.27		0.01	0.01	%			11/16/20 14:35	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 14:35	1
Fine Sand (0.125 to 0.25mm)	0.87		0.01	0.01	%			11/16/20 14:35	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 14:35	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/16/20 14:35	1
Silt (0.00391 to 0.0625mm)	58.34		0.01	0.01	%			11/16/20 14:35	1
Total Silt and Clay (0 to 0.0626mm)	90.61		0.01	0.01	%			11/16/20 14:35	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 14:35	1
Very Fine Sand (0.0625 to 0.125 mm)	8.52		0.01	0.01	%			11/16/20 14:35	1

Client Sample ID: San Elijo Lagoon TC #1

Lab Sample ID: 440-273975-7

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	4500		2000	97	mg/Kg			11/05/20 19:54	1
Dup									
Total Kjeldahl Nitrogen	570		200	110	mg/Kg	11/18/20 15:00		11/18/20 23:44	1
Total Nitrogen	570		10	5.5	mg/Kg			11/18/20 23:44	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	8.69		0.01	0.01	%			11/16/20 14:45	1
Coarse Sand (0.5mm to 1mm)	0.16		0.01	0.01	%			11/16/20 14:45	1
Fine Sand (0.125 to 0.25mm)	40.64		0.01	0.01	%			11/16/20 14:45	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 14:45	1
Medium Sand (0.25 to 0.5 mm)	5.60		0.01	0.01	%			11/16/20 14:45	1
Silt (0.00391 to 0.0625mm)	29.53		0.01	0.01	%			11/16/20 14:45	1
Total Silt and Clay (0 to 0.0626mm)	38.22		0.01	0.01	%			11/16/20 14:45	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 14:45	1

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Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Client Sample ID: San Elijo Lagoon TC #1

Lab Sample ID: 440-273975-7

Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Very Fine Sand (0.0625 to 0.125 mm)	15.39		0.01	0.01	%			11/16/20 14:45	1

Client Sample ID: San Elijo Lagoon TC #2

Lab Sample ID: 440-273975-8

Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	2600		2000	97	mg/Kg			11/05/20 18:22	1
Dup									
Total Kjeldahl Nitrogen	600		200	110	mg/Kg		11/18/20 15:00	11/18/20 23:44	1
Total Nitrogen	600		10	5.5	mg/Kg			11/18/20 23:44	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	6.08		0.01	0.01	%			11/16/20 14:53	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 14:53	1
Fine Sand (0.125 to 0.25mm)	47.76		0.01	0.01	%			11/16/20 14:53	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 14:53	1
Medium Sand (0.25 to 0.5 mm)	6.26		0.01	0.01	%			11/16/20 14:53	1
Silt (0.00391 to 0.0625mm)	21.44		0.01	0.01	%			11/16/20 14:53	1
Total Silt and Clay (0 to 0.0626mm)	27.52		0.01	0.01	%			11/16/20 14:53	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 14:53	1
Very Fine Sand (0.0625 to 0.125 mm)	18.46		0.01	0.01	%			11/16/20 14:53	1

Client Sample ID: San Elijo Lagoon TC #3

Lab Sample ID: 440-273975-9

Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	9800		2000	97	mg/Kg			11/05/20 18:26	1
Dup									
Total Kjeldahl Nitrogen	610		200	110	mg/Kg		11/18/20 15:00	11/18/20 23:44	1
Total Nitrogen	610		10	5.5	mg/Kg			11/18/20 23:44	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	18.81		0.01	0.01	%			11/16/20 15:02	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 15:02	1
Fine Sand (0.125 to 0.25mm)	13.99		0.01	0.01	%			11/16/20 15:02	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 15:02	1
Medium Sand (0.25 to 0.5 mm)	0.04		0.01	0.01	%			11/16/20 15:02	1
Silt (0.00391 to 0.0625mm)	54.76		0.01	0.01	%			11/16/20 15:02	1
Total Silt and Clay (0 to 0.0626mm)	73.57		0.01	0.01	%			11/16/20 15:02	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 15:02	1
Very Fine Sand (0.0625 to 0.125 mm)	12.40		0.01	0.01	%			11/16/20 15:02	1

Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Client Sample ID: San Elijo Lagoon TC #4

Lab Sample ID: 440-273975-10

Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	17000		2000	97	mg/Kg			11/05/20 18:31	1
Dup									
Total Kjeldahl Nitrogen	1800		200	110	mg/Kg		11/18/20 15:00	11/18/20 23:44	1
Total Nitrogen	1800		10	5.5	mg/Kg			11/18/20 23:44	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	13.08		0.01	0.01	%			11/16/20 15:07	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 15:07	1
Fine Sand (0.125 to 0.25mm)	13.97		0.01	0.01	%			11/16/20 15:07	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 15:07	1
Medium Sand (0.25 to 0.5 mm)	0.01		0.01	0.01	%			11/16/20 15:07	1
Silt (0.00391 to 0.0625mm)	60.49		0.01	0.01	%			11/16/20 15:07	1
Total Silt and Clay (0 to 0.0626mm)	73.57		0.01	0.01	%			11/16/20 15:07	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 15:07	1
Very Fine Sand (0.0625 to 0.125 mm)	12.45		0.01	0.01	%			11/16/20 15:07	1

Client Sample ID: San Elijo Lagoon TC #5

Lab Sample ID: 440-273975-11

Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	9000		2000	97	mg/Kg			11/05/20 18:35	1
Dup									
Total Kjeldahl Nitrogen	1400		200	110	mg/Kg		11/18/20 15:00	11/18/20 23:44	1
Total Nitrogen	1400		10	5.5	mg/Kg			11/18/20 23:44	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	10.69		0.01	0.01	%			11/16/20 15:27	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 15:27	1
Fine Sand (0.125 to 0.25mm)	22.33		0.01	0.01	%			11/16/20 15:27	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 15:27	1
Medium Sand (0.25 to 0.5 mm)	0.04		0.01	0.01	%			11/16/20 15:27	1
Silt (0.00391 to 0.0625mm)	52.82		0.01	0.01	%			11/16/20 15:27	1
Total Silt and Clay (0 to 0.0626mm)	63.52		0.01	0.01	%			11/16/20 15:27	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 15:27	1
Very Fine Sand (0.0625 to 0.125 mm)	14.11		0.01	0.01	%			11/16/20 15:27	1

Client Sample ID: San Elijo Lagoon TC #6

Lab Sample ID: 440-273975-12

Matrix: Solid

Date Collected: 10/28/20 11:30
Date Received: 10/29/20 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average	14000		2000	97	mg/Kg			11/11/20 12:24	1
Dup									
Total Kjeldahl Nitrogen	1300		200	110	mg/Kg		11/18/20 15:00	11/18/20 23:44	1
Total Nitrogen	1300		10	5.5	mg/Kg			11/18/20 23:44	1

Eurofins Calscience Irvine

Client Sample Results

Client: San Elijo Joint Powers Auth.

Job ID: 440-273975-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon TC #6

Lab Sample ID: 440-273975-12

Date Collected: 10/28/20 11:30

Matrix: Solid

Date Received: 10/29/20 16:30

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	15.18		0.01	0.01	%			11/16/20 15:33	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/16/20 15:33	1
Fine Sand (0.125 to 0.25mm)	8.65		0.01	0.01	%			11/16/20 15:33	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/16/20 15:33	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/16/20 15:33	1
Silt (0.00391 to 0.0625mm)	64.39		0.01	0.01	%			11/16/20 15:33	1
Total Silt and Clay (0 to 0.0626mm)	79.57		0.01	0.01	%			11/16/20 15:33	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/16/20 15:33	1
Very Fine Sand (0.0625 to 0.125 mm)	11.77		0.01	0.01	%			11/16/20 15:33	1

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

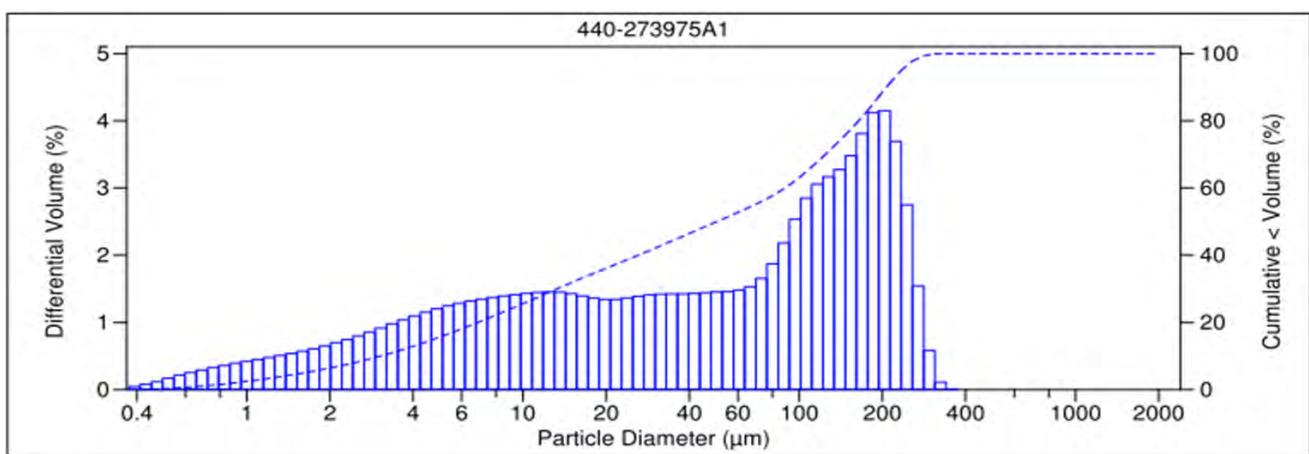
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #1		Very Fine Sand	0.082

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	3.08	26.77	16.76	40.78	12.61	53.39



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

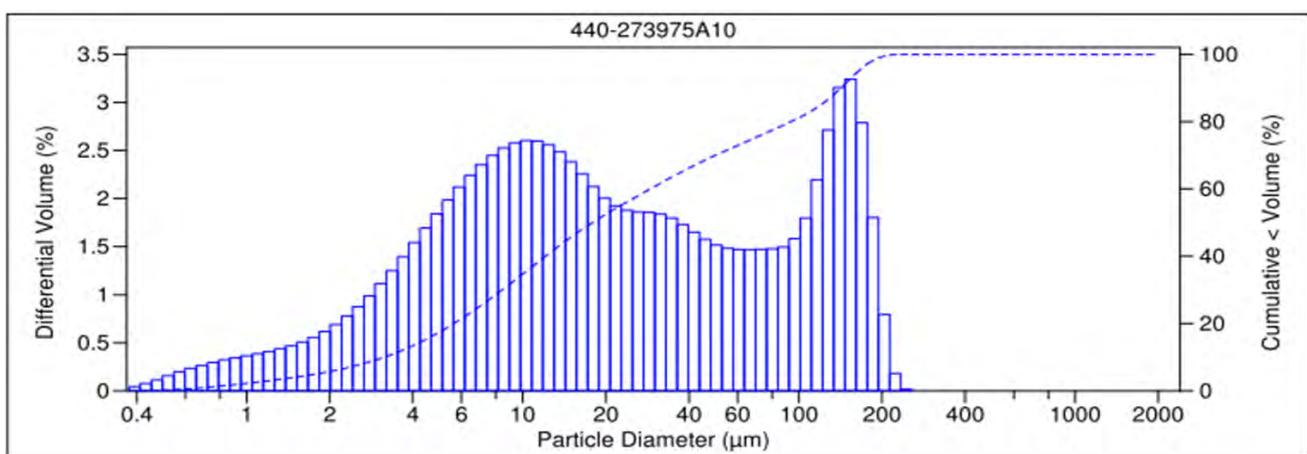
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #4		Silt	0.046

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.01	13.97	12.45	60.49	13.08	73.57



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

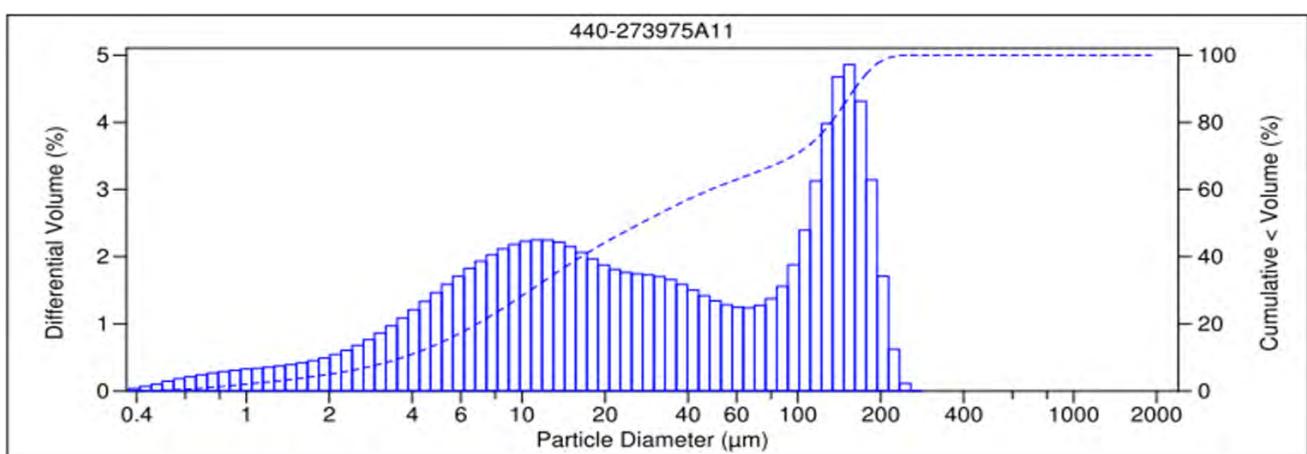
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #5		Silt	0.060

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.04	22.33	14.11	52.82	10.69	63.52



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

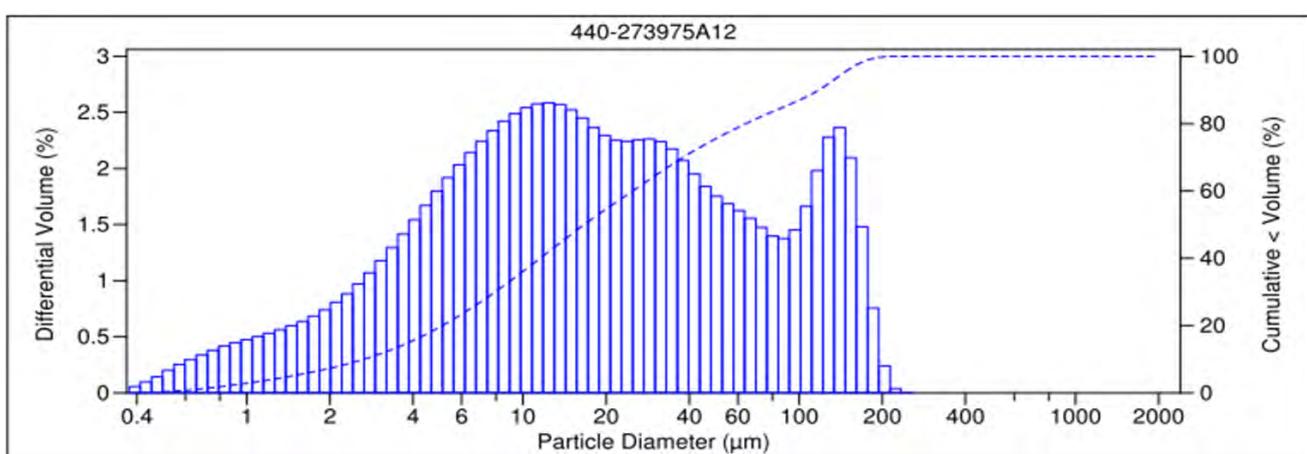
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #6		Silt	0.037

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	8.65	11.77	64.39	15.18	79.57



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

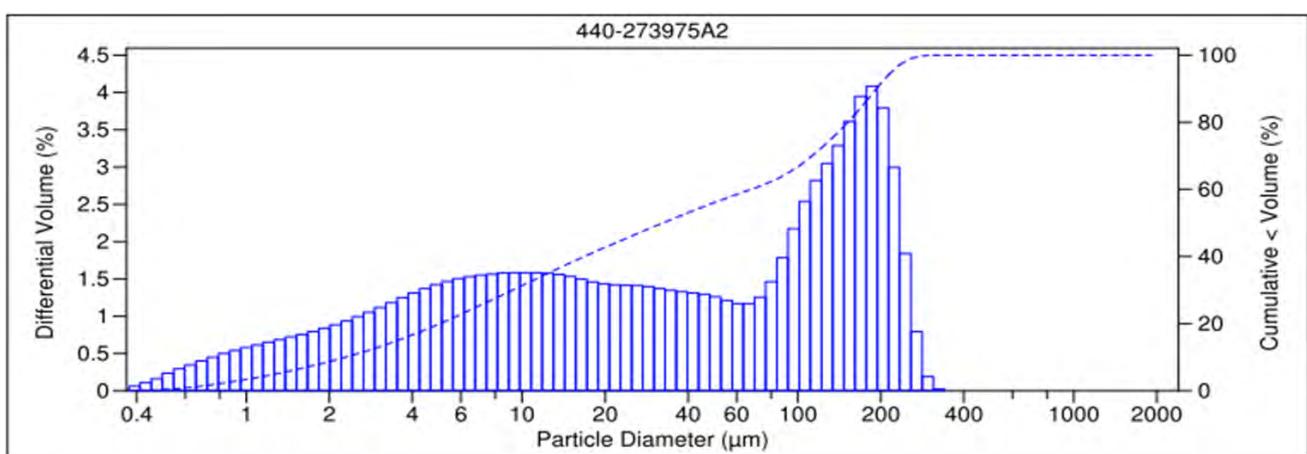
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #2		Very Fine Sand	0.071

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	1.57	25.23	14.20	42.68	16.32	59.00



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

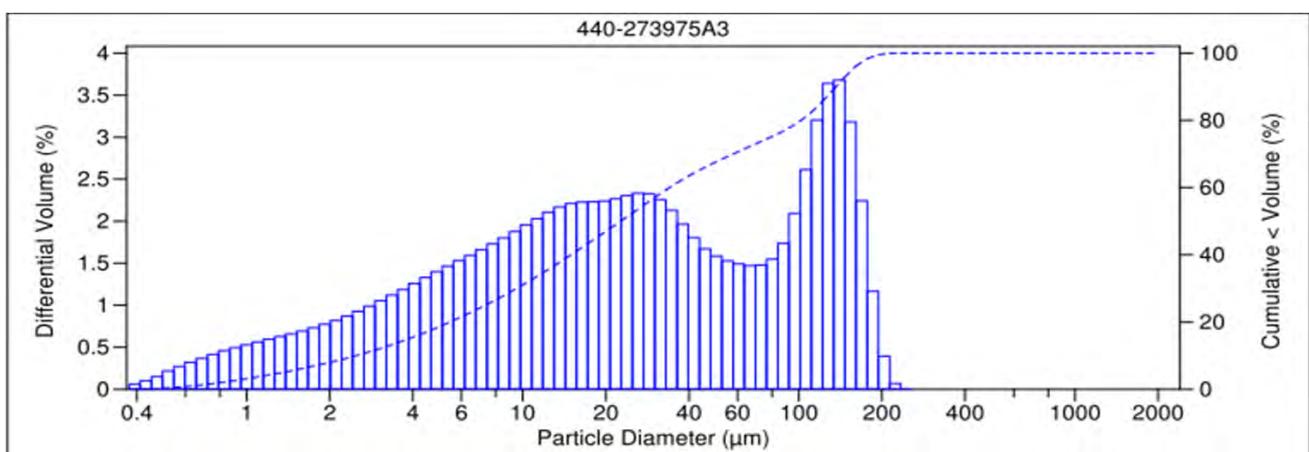
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #3		Silt	0.047

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	13.41	15.35	56.08	15.16	71.24



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

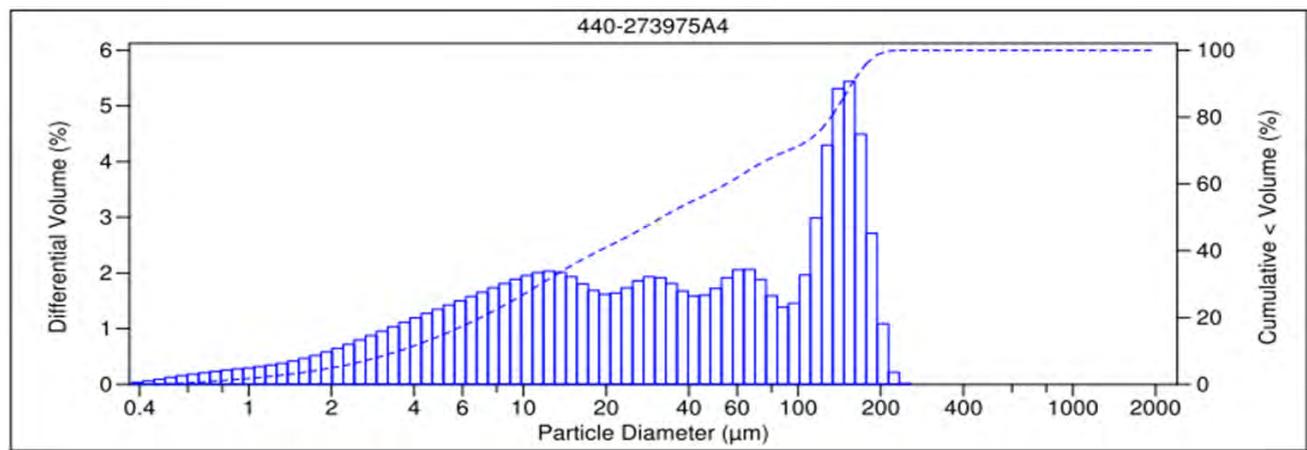
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #4		Silt	0.061

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.01	22.43	14.81	51.48	11.28	62.76



V 3.0

PARTICLE SIZE SUMMARY

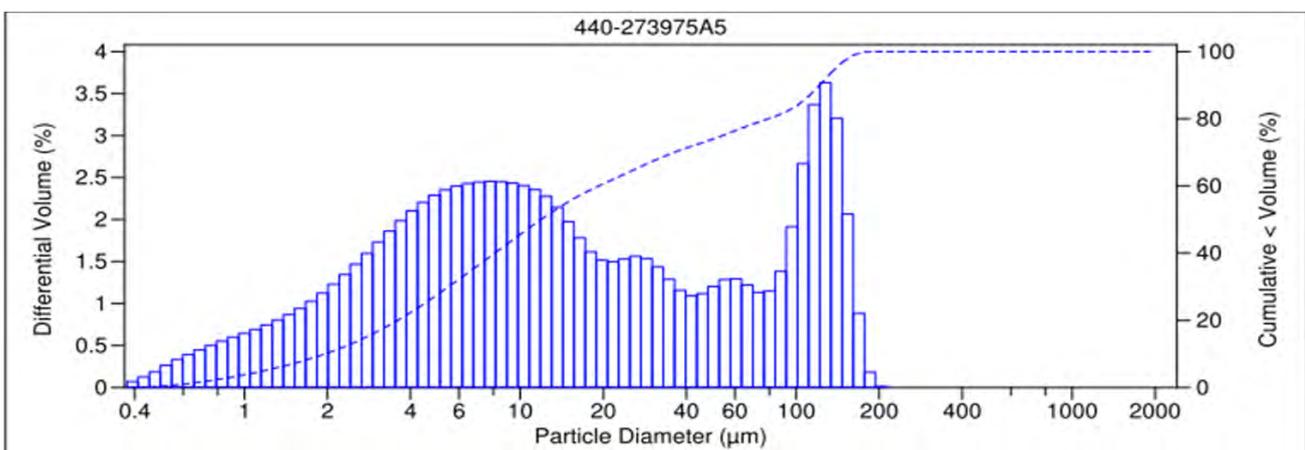
(ASTM D422 / D4464M)

San Elijo Water Reclamation Facility	Date Sampled:	10/28/20
	Date Received:	10/29/20
	Work Order No:	440-273975
	Date Analyzed:	11/16/20
	Method:	ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #5		Silt	0.037

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	9.01	14.01	55.18	21.80	76.98



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

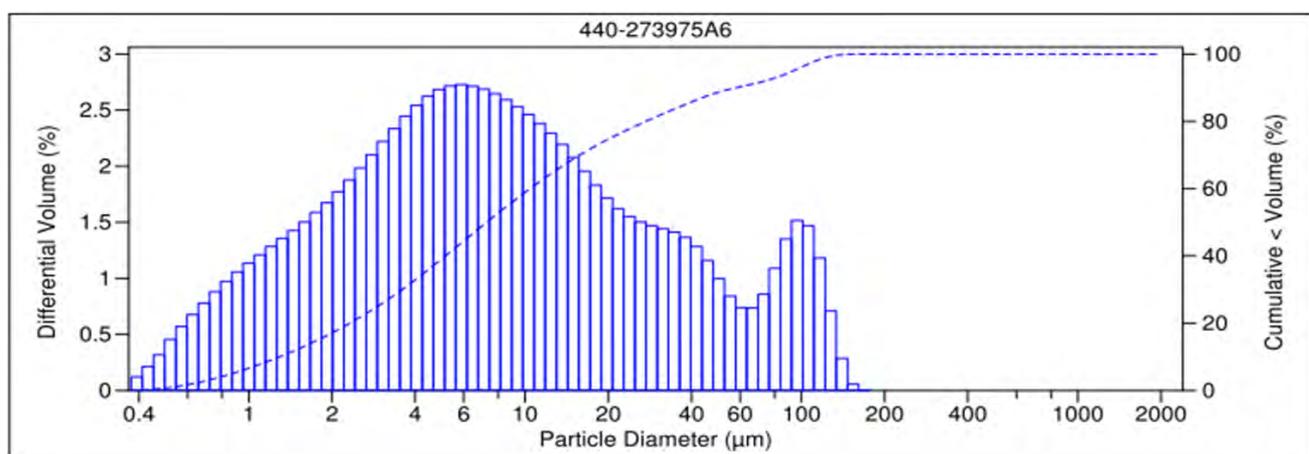
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #6		Silt	0.019

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	0.87	8.52	58.34	32.27	90.61



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

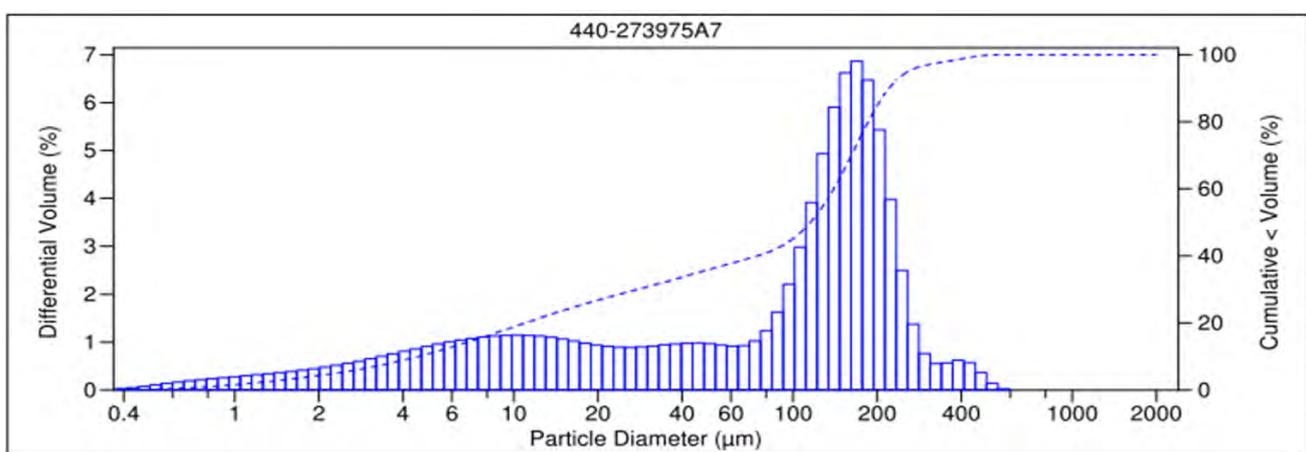
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #1		Very Fine Sand	0.112

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.16	5.60	40.64	15.39	29.53	8.69	38.22



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

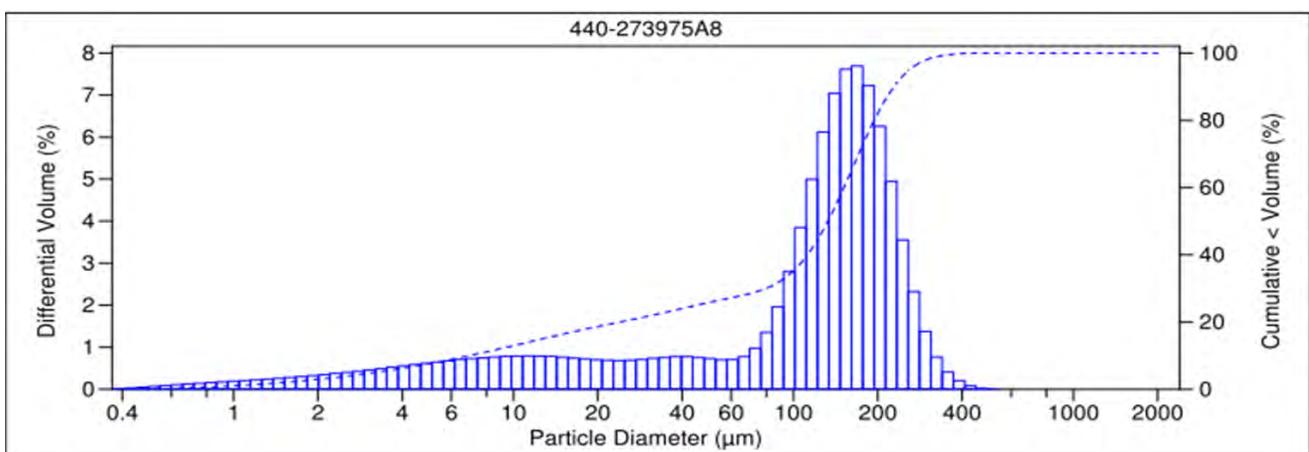
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #2		Fine Sand	0.125

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	6.26	47.76	18.46	21.44	6.08	27.52



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

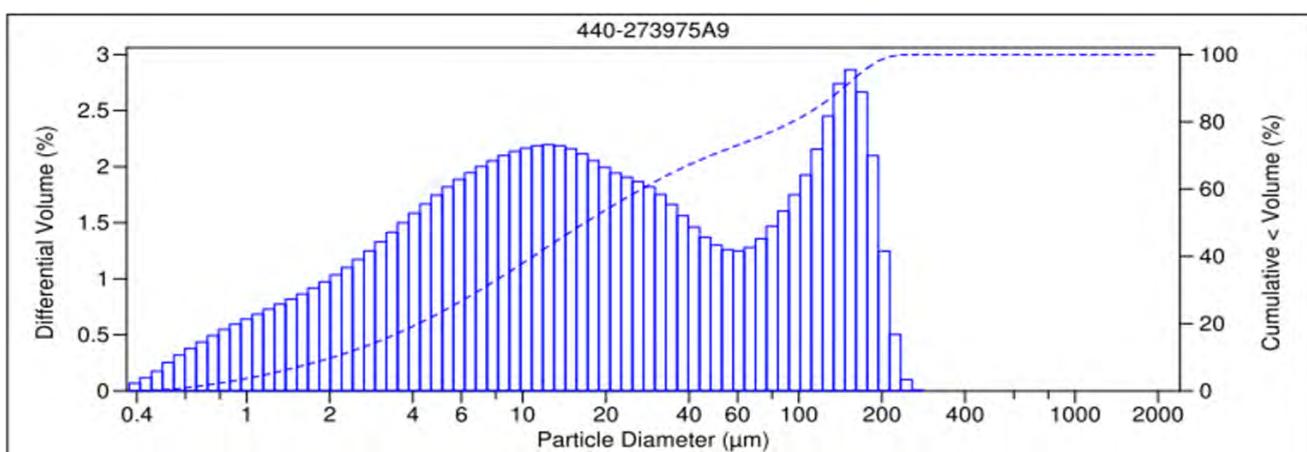
San Elijo Water Reclamation Facility

Date Sampled: 10/28/20
 Date Received: 10/29/20
 Work Order No: 440-273975
 Date Analyzed: 11/16/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #3		Silt	0.045

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.04	13.99	12.40	54.76	18.81	73.57



V 3.0

Method Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Method	Method Description	Protocol	Laboratory
9060	Organic Carbon, Total (TOC)	SW846	TAL SEA
SM 4500 Norg B	Nitrogen, Organic	SM	ECL 1
Total Nitrogen	Nitrogen, Total	EPA	ECL 1
D4464	Particle Size Distribution of Catalytic Material (Laser light scattering)	ASTM	ECL 1
351.2	Nitrogen, Total Kjeldahl	MCAWW	ECL 1

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Lab Chronicle

Client: San Elijo Joint Powers Auth.

Job ID: 440-273975-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon MC #1

Lab Sample ID: 440-273975-1

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 19:28	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 13:52	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #2

Lab Sample ID: 440-273975-2

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 19:32	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 14:01	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #3

Lab Sample ID: 440-273975-3

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 19:37	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 14:08	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #4

Lab Sample ID: 440-273975-4

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 19:41	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 14:13	C4LT	ECL 1

Lab Chronicle

Client: San Elijo Joint Powers Auth.

Job ID: 440-273975-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon MC #5

Lab Sample ID: 440-273975-5

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 19:45	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 14:20	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #6

Lab Sample ID: 440-273975-6

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 19:50	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 14:35	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #1

Lab Sample ID: 440-273975-7

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 19:54	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 14:45	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #2

Lab Sample ID: 440-273975-8

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 18:22	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 mL	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 14:53	C4LT	ECL 1

Lab Chronicle

Client: San Elijo Joint Powers Auth.

Job ID: 440-273975-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon TC #3

Lab Sample ID: 440-273975-9

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 18:26	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 mL	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 15:02	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #4

Lab Sample ID: 440-273975-10

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 18:31	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 mL	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 15:07	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #5

Lab Sample ID: 440-273975-11

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342606	11/05/20 18:35	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 mL	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 15:27	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #6

Lab Sample ID: 440-273975-12

Matrix: Solid

Date Collected: 10/28/20 11:30

Date Received: 10/29/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342967	11/11/20 12:24	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 mL	200 mL	110754	11/18/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110757	11/18/20 23:44	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110952	11/18/20 23:44	UWCT	ECL 1
Total/NA	Analysis	D4464		1			110042	11/16/20 15:33	C4LT	ECL 1

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Eurofins Calscience Irvine

QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Method: 9060 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-342606/5

Matrix: Solid

Analysis Batch: 342606

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			11/05/20 16:52	1

Lab Sample ID: LCS 580-342606/6

Matrix: Solid

Analysis Batch: 342606

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Total Organic Carbon - Average Dup	120000	108000		mg/Kg		90	40 - 180

Lab Sample ID: LCSD 580-342606/7

Matrix: Solid

Analysis Batch: 342606

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	RPD	Limit
Total Organic Carbon - Average Dup	120000	108000		mg/Kg		90	40 - 180	0

Lab Sample ID: 580-98708-B-1 MS

Matrix: Solid

Analysis Batch: 342606

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Total Organic Carbon - Average Dup	6100		120000	113000		mg/Kg		89	68 - 149

Lab Sample ID: 580-98708-B-1 MSD

Matrix: Solid

Analysis Batch: 342606

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	Limit
Total Organic Carbon - Average Dup	6100		120000	115000		mg/Kg		90	68 - 149	2

Lab Sample ID: 580-98708-B-1 DU

Matrix: Solid

Analysis Batch: 342606

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Organic Carbon - Average Dup	6100		5590		mg/Kg		8	50

Lab Sample ID: MB 580-342967/5

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			11/11/20 12:15	1

Eurofins Calscience Irvine

QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Method: 9060 - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 580-342967/6

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	%Rec. Limits
Total Organic Carbon - Average	120000	109000		mg/Kg		91	40 - 180
Dup							

Lab Sample ID: LCSD 580-342967/7

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit
Total Organic Carbon - Average	120000	110000		mg/Kg		92	40 - 180	1
Dup								

Lab Sample ID: 440-273975-12 MS

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: San Elijo Lagoon TC #6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	%Rec. Limits
Total Organic Carbon - Average	14000		120000	129000		mg/Kg		96	68 - 149
Dup									

Lab Sample ID: 440-273975-12 MSD

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: San Elijo Lagoon TC #6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit
Total Organic Carbon - Average	14000		120000	124000		mg/Kg		92	68 - 149	4
Dup										

Lab Sample ID: 440-273975-12 DU

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: San Elijo Lagoon TC #6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon - Average	14000		14200		mg/Kg			
Dup								

Method: SM 4500 Norg B - Nitrogen, Organic

Lab Sample ID: MB 570-110754/1-A

Matrix: Solid

Analysis Batch: 110757

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		10	5.5	mg/Kg		11/18/20 15:00	11/18/20 23:44	1

Lab Sample ID: 440-273975-10 DU

Matrix: Solid

Analysis Batch: 110757

Client Sample ID: San Elijo Lagoon TC #4
Prep Type: Total/NA
Prep Batch: 110754

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Kjeldahl Nitrogen	1800		1710		mg/Kg			

Eurofins Calscience Irvine

QC Association Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

General Chemistry

Prep Batch: 110754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273975-1	San Elijo Lagoon MC #1	Total/NA	Solid	351.2	
440-273975-2	San Elijo Lagoon MC #2	Total/NA	Solid	351.2	
440-273975-3	San Elijo Lagoon MC #3	Total/NA	Solid	351.2	
440-273975-4	San Elijo Lagoon MC #4	Total/NA	Solid	351.2	
440-273975-5	San Elijo Lagoon MC #5	Total/NA	Solid	351.2	
440-273975-6	San Elijo Lagoon MC #6	Total/NA	Solid	351.2	
440-273975-7	San Elijo Lagoon TC #1	Total/NA	Solid	351.2	
440-273975-8	San Elijo Lagoon TC #2	Total/NA	Solid	351.2	
440-273975-9	San Elijo Lagoon TC #3	Total/NA	Solid	351.2	
440-273975-10	San Elijo Lagoon TC #4	Total/NA	Solid	351.2	
440-273975-11	San Elijo Lagoon TC #5	Total/NA	Solid	351.2	
440-273975-12	San Elijo Lagoon TC #6	Total/NA	Solid	351.2	
MB 570-110754/1-A	Method Blank	Total/NA	Solid	351.2	
440-273975-10 DU	San Elijo Lagoon TC #4	Total/NA	Solid	351.2	

Analysis Batch: 110757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273975-1	San Elijo Lagoon MC #1	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-2	San Elijo Lagoon MC #2	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-3	San Elijo Lagoon MC #3	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-4	San Elijo Lagoon MC #4	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-5	San Elijo Lagoon MC #5	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-6	San Elijo Lagoon MC #6	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-7	San Elijo Lagoon TC #1	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-8	San Elijo Lagoon TC #2	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-9	San Elijo Lagoon TC #3	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-10	San Elijo Lagoon TC #4	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-11	San Elijo Lagoon TC #5	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-12	San Elijo Lagoon TC #6	Total/NA	Solid	SM 4500 Norg B	110754
MB 570-110754/1-A	Method Blank	Total/NA	Solid	SM 4500 Norg B	110754
440-273975-10 DU	San Elijo Lagoon TC #4	Total/NA	Solid	SM 4500 Norg B	110754

Analysis Batch: 110952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273975-1	San Elijo Lagoon MC #1	Total/NA	Solid	Total Nitrogen	
440-273975-2	San Elijo Lagoon MC #2	Total/NA	Solid	Total Nitrogen	
440-273975-3	San Elijo Lagoon MC #3	Total/NA	Solid	Total Nitrogen	
440-273975-4	San Elijo Lagoon MC #4	Total/NA	Solid	Total Nitrogen	
440-273975-5	San Elijo Lagoon MC #5	Total/NA	Solid	Total Nitrogen	
440-273975-6	San Elijo Lagoon MC #6	Total/NA	Solid	Total Nitrogen	
440-273975-7	San Elijo Lagoon TC #1	Total/NA	Solid	Total Nitrogen	
440-273975-8	San Elijo Lagoon TC #2	Total/NA	Solid	Total Nitrogen	
440-273975-9	San Elijo Lagoon TC #3	Total/NA	Solid	Total Nitrogen	
440-273975-10	San Elijo Lagoon TC #4	Total/NA	Solid	Total Nitrogen	
440-273975-11	San Elijo Lagoon TC #5	Total/NA	Solid	Total Nitrogen	
440-273975-12	San Elijo Lagoon TC #6	Total/NA	Solid	Total Nitrogen	

Analysis Batch: 342606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273975-1	San Elijo Lagoon MC #1	Total/NA	Solid	9060	
440-273975-2	San Elijo Lagoon MC #2	Total/NA	Solid	9060	

Eurofins Calscience Irvine

QC Association Summary

Client: San Elijo Joint Powers Auth.

Project/Site: San Elijo

Job ID: 440-273975-1

General Chemistry (Continued)

Analysis Batch: 342606 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273975-3	San Elijo Lagoon MC #3	Total/NA	Solid	9060	1
440-273975-4	San Elijo Lagoon MC #4	Total/NA	Solid	9060	2
440-273975-5	San Elijo Lagoon MC #5	Total/NA	Solid	9060	3
440-273975-6	San Elijo Lagoon MC #6	Total/NA	Solid	9060	4
440-273975-7	San Elijo Lagoon TC #1	Total/NA	Solid	9060	5
440-273975-8	San Elijo Lagoon TC #2	Total/NA	Solid	9060	6
440-273975-9	San Elijo Lagoon TC #3	Total/NA	Solid	9060	7
440-273975-10	San Elijo Lagoon TC #4	Total/NA	Solid	9060	8
440-273975-11	San Elijo Lagoon TC #5	Total/NA	Solid	9060	9
MB 580-342606/5	Method Blank	Total/NA	Solid	9060	10
LCS 580-342606/6	Lab Control Sample	Total/NA	Solid	9060	11
LCSD 580-342606/7	Lab Control Sample Dup	Total/NA	Solid	9060	12
580-98708-B-1 MS	Matrix Spike	Total/NA	Solid	9060	13
580-98708-B-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	9060	14
580-98708-B-1 DU	Duplicate	Total/NA	Solid	9060	15

Analysis Batch: 342967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273975-12	San Elijo Lagoon TC #6	Total/NA	Solid	9060	1
MB 580-342967/5	Method Blank	Total/NA	Solid	9060	2
LCS 580-342967/6	Lab Control Sample	Total/NA	Solid	9060	3
LCSD 580-342967/7	Lab Control Sample Dup	Total/NA	Solid	9060	4
440-273975-12 MS	San Elijo Lagoon TC #6	Total/NA	Solid	9060	5
440-273975-12 MSD	San Elijo Lagoon TC #6	Total/NA	Solid	9060	6
440-273975-12 DU	San Elijo Lagoon TC #6	Total/NA	Solid	9060	7

Geotechnical

Analysis Batch: 110042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273975-1	San Elijo Lagoon MC #1	Total/NA	Solid	D4464	1
440-273975-2	San Elijo Lagoon MC #2	Total/NA	Solid	D4464	2
440-273975-3	San Elijo Lagoon MC #3	Total/NA	Solid	D4464	3
440-273975-4	San Elijo Lagoon MC #4	Total/NA	Solid	D4464	4
440-273975-5	San Elijo Lagoon MC #5	Total/NA	Solid	D4464	5
440-273975-6	San Elijo Lagoon MC #6	Total/NA	Solid	D4464	6
440-273975-7	San Elijo Lagoon TC #1	Total/NA	Solid	D4464	7
440-273975-8	San Elijo Lagoon TC #2	Total/NA	Solid	D4464	8
440-273975-9	San Elijo Lagoon TC #3	Total/NA	Solid	D4464	9
440-273975-10	San Elijo Lagoon TC #4	Total/NA	Solid	D4464	10
440-273975-11	San Elijo Lagoon TC #5	Total/NA	Solid	D4464	11
440-273975-12	San Elijo Lagoon TC #6	Total/NA	Solid	D4464	12

Definitions/Glossary

Client: San Elijo Joint Powers Auth.

Job ID: 440-273975-1

Project/Site: San Elijo

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-273975-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Laboratory: Eurofins TestAmerica, Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-024	02-19-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2901	11-06-21
Montana (UST)	State	NA	04-13-21
Oregon	NELAP	WA100007	11-05-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C553	02-18-21

Irvine
17461 Denon Ave
Suite 100
Irvine, CA 92614
Tel (949) 261-1022 · Fax (949) 260-3207

Chain of Custody Record

Client Contact				Project Manager: Danielle Roberts				Site Contact:				Date: 10/29/2020	TestAmerica Laboratories, Inc.								
San Elijo Water Reclamation Facility				Tel/Fax: 760-753-6203 ext 39				Lab Contact:				Carrier:	SOC No 1 of 1 COCs								
2695 Manchester Ave.				Analysis Turnaround Time									Job No								
Cardiff, CA 92007				Work Days (W)									SDG No								
760-753-6203 ext 39				TAT if different from above																	
760-753-5935				<input checked="" type="checkbox"/> Standard																	
Project Name				<input type="checkbox"/> 5 days																	
Site				<input type="checkbox"/> 2 days																	
PO # 2016-012C				<input type="checkbox"/> 1 day																	
Sample Identification				Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Total Nitrogen	TKN	TOC	Column Size	Sample Specific Notes								
San Elijo Lagoon MC #1				10/28/2020	11:30	Solid	Grab	1	X X X X												
San Elijo Lagoon MC #2				10/28/2020	11:30	Solid	"	1	X X X X												
San Elijo Lagoon MC #3				10/28/2020	11:30	Solid	"	1	X X X X												
San Elijo Lagoon MC #4				10/28/2020	11:30	Solid	"	1	X X X X												
San Elijo Lagoon MC #5				10/28/2020	11:30	Solid	"	1	X X X X												
San Elijo Lagoon MC #6				10/28/2020	11:30	Solid	"	1	X X X X												
San Elijo Lagoon TC #1				10/28/2020	11:30	Solid	"	1	X X X X												
San Elijo Lagoon TC #2				10/28/2020	11:30	Solid	"	1	X X X X												
San Elijo Lagoon TC #3				10/28/2020	11:30	Solid	"	1	X X X X												
San Elijo Lagoon TC #4				10/28/2020	11:30	Solid	"	1	X X X X												
San Elijo Lagoon TC #5				10/28/2020	11:30	Solid	"	1	X X X X												
San Elijo Lagoon TC #6				10/28/2020	11:30	Solid	"	1	X X X X												
Preservation Used: 1= lcc, 2= HCl; 3= H ₂ SO ₄ ; 4= HNO ₃ ; 5= NaOH; 6= Other								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
<input type="checkbox"/> Non-Hazard				<input type="checkbox"/> Flammable				<input type="checkbox"/> Skin Irritant				<input type="checkbox"/> Poison B				<input type="checkbox"/> Unknown	<input type="checkbox"/>	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months
Special Instructions/QC Requirements & Comments: 10/29/20																					
Relinquished by	Company	Date/Time	Received by	Company	Date/Time	10/29/20 14:45															
Relinquished by	Company	Date/Time	Received by	Company	Date/Time																
Relinquished by	Company	Date/Time	Received by	Company	Date/Time																



440-273975 Chain of Custody

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time

02/02/2021

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:		Lab PM: Roberts, Danielle C			Carrier Tracking No(s):		COC No: 440-163658.1		
Client Contact: Shipping/Receiving		Phone:		E-Mail: Danielle.Roberts@Eurofinset.com			State of Origin: California		Page: Page 1 of 2		
Company: Eurofins Calscience LLC					Accreditations Required (See note): State Program - California					Job #: 440-273975-1	
Address: 7440 Lincoln Way,		Due Date Requested: 11/16/2020			Analysis Requested					Preservation Codes:	
City: Garden Grove		TAT Requested (days):								A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2S03 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
State, Zip: CA, 92841		PO #:								Other:	
Phone: 714-895-5494(Tel) 714-894-7501(Fax)		WO #:									
Email:											
Project Name: San Elijo		Project #: 44013530									
Site: San Elijo - Water Reclamation Facility		SSOW#:									
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, B=tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Nitrogen, Total Nitrogen	D4464/ Full Analyte List	300 ORGFMSICA, WEI, Di Nitrate and Nitrite as N	Total Number of containers
						X	X	X			
San Elijo Lagoon MC #1 (440-273975-1)		10/28/20	11:30 Pacific	Solid		X	X	X			1
San Elijo Lagoon MC #2 (440-273975-2)		10/28/20	11:30 Pacific	Solid		X	X	X			1
San Elijo Lagoon MC #3 (440-273975-3)		10/28/20	11:30 Pacific	Solid		X	X	X			1
San Elijo Lagoon MC #4 (440-273975-4)		10/28/20	11:30 Pacific	Solid		X	X	X			1
San Elijo Lagoon MC #5 (440-273975-5)		10/28/20	11:30 Pacific	Solid		X	X	X			1
San Elijo Lagoon MC #6 (440-273975-6)		10/28/20	11:30 Pacific	Solid		X	X	X			1
San Elijo Lagoon TC #1 (440-273975-7)		10/28/20	11:30 Pacific	Solid		X	X	X			1
San Elijo Lagoon TC #2 (440-273975-8)		10/28/20	11:30 Pacific	Solid		X	X	X			1
San Elijo Lagoon TC #3 (440-273975-9)		10/28/20	11:30 Pacific	Solid		X	X	X			1
Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.											
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Unconfirmed				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)				Primary Deliverable Rank: 2							
				Special Instructions/QC Requirements:							
Empty Kit Relinquished by:			Date:	Time:		Method of Shipment:					
<i>[Signature]</i>			10/28/20 0850	<i>[Signature]</i>		Received by: <i>[Signature]</i>	Date/Time: 10/30/2020 0840		Company: <i>[Signature]</i>		
Relinquished by:			Date/Time:	Company:		Received by:	Date/Time:		Company:		
Relinquished by:			Date/Time:	Company:		Received by:	Date/Time:		Company:		
Custody Seals Intact: △ Yes △ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: <i>2.9/2.1 SCC</i>						

Eurofins Calscience Irvine

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 Irvine, CA 92614-5817
 Phone: 949-261-1022 Fax: 949-260-3297

Chain of Custody Record

eurofins

 Environment Testing
 America

Testing

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:									
Client Contact: Shipping/Receiving		Phone:	Roberts, Danielle C E-Mail: Danielle.Roberts@Eurofinset.com	State of Origin:	440-163658.1									
Company: Eurofins Calscience LLC		Accreditations Required (See note): State Program - California			Page:									
Address: 7440 Lincoln Way, City: Garden Grove State, Zip: CA, 92841 Phone: 714-895-5494(Tel) 714-894-7501(Fax) Email: Project Name: San Elijo Site: San Elijo - Water Reclamation Facility		Due Date Requested: 11/16/2020	TAT Requested (days):	Analysis Requested										
		PO #:	WO #:											
		SSOW#:												
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, D=waste/toll, N=Nitrogen)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Nitrogen, Total Nitrogen	D464/ Full Analyte List	300_ORGFMSCA_WET_DINitrate and Nitrite as N	Total Number of containers	Preservation Codes:		
						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2S03 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)		
												Other:		
												Special Instructions/Note:		
San Elijo Lagoon MC #1 (440-273975-1)		10/28/20	11:30 Pacific	Solid		X X X						1		
San Elijo Lagoon MC #2 (440-273975-2)		10/28/20	11:30 Pacific	Solid		X X X						1		
San Elijo Lagoon MC #3 (440-273975-3)		10/28/20	11:30 Pacific	Solid		X X X						1		
San Elijo Lagoon MC #4 (440-273975-4)		10/28/20	11:30 Pacific	Solid		X X X						1		
San Elijo Lagoon MC #5 (440-273975-5)		10/28/20	11:30 Pacific	Solid		X X X						1		
San Elijo Lagoon MC #6 (440-273975-6)		10/28/20	11:30 Pacific	Solid		X X X						1		
San Elijo Lagoon TC #1 (440-273975-7)		10/28/20	11:30 Pacific	Solid		X X X						1		
San Elijo Lagoon TC #2 (440-273975-8)		10/28/20	11:30 Pacific	Solid		X X X						1		
San Elijo Lagoon TC #3 (440-273975-9)		10/28/20	11:30 Pacific	Solid		X X X						1		
Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.														
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
Unconfirmed						<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months					
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2								
						Special Instructions/QC Requirements:								
Empty Kit Relinquished by:		Date:	Time:		Received by:		Method of Shipment:							
Relinquished by:		Date/Time: 10/29/20 0850	Company: TCI		Received by: Diane		Date/Time: 10/30/2020 0850		Company: ECI					
Relinquished by:		Date/Time:	Company:		Received by:		Date/Time:		Company:					
Custody Seals Intact:		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks: 2.9/2.1 SCC								

Ver: 01/16/2019

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Eurofins Calscience Irvine

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Chain of Custody Record

eurofins

 Environment Testing
 America

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Roberts, Danielle C		Carrier Tracking No(s):		COC No: 440-163673.1	
Client Contact: Shipping/Receiving		Phone:		E-Mail: Danielle.Roberts@Eurofinset.com		State of Origin: California		Page: Page 1 of 2	
Company: TestAmerica Laboratories, Inc.				Accreditations Required (See note): State Program - California				Job #: 440-273975-1	
Address: 5755 8th Street East, City: Tacoma		Due Date Requested: 11/16/2020				Analysis Requested		Preservation Codes:	
State, Zip: WA, 98424		TAT Requested (days):						A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)
Phone: 253-922-2310(Tel) 253-922-5047(Fax)		PO #:							
Email:		WO #:							
Project Name: San Elijo		Project #: 44013530							
Site: San Elijo - Water Reclamation Facility		SSOW#:							
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab) <small>BT=Tissue, A=Air</small>	Matrix (W=water, S=solid, O=waste/oil, T=Soil TOC)	Field Filtered Sample (Yes or No)	9060/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
San Elijo Lagoon MC #1 (440-273975-1)		10/28/20	11:30 Pacific	Solid	X			1	
San Elijo Lagoon MC #2 (440-273975-2)		10/28/20	11:30 Pacific	Solid	X			1	
San Elijo Lagoon MC #3 (440-273975-3)		10/28/20	11:30 Pacific	Solid	X			1	
San Elijo Lagoon MC #4 (440-273975-4)		10/28/20	11:30 Pacific	Solid	X			1	
San Elijo Lagoon MC #5 (440-273975-5)		10/28/20	11:30 Pacific	Solid	X			1	
San Elijo Lagoon MC #6 (440-273975-6)		10/28/20	11:30 Pacific	Solid	X			1	
San Elijo Lagoon TC #1 (440-273975-7)		10/28/20	11:30 Pacific	Solid	X			1	
San Elijo Lagoon TC #2 (440-273975-8)		10/28/20	11:30 Pacific	Solid	X			1	
San Elijo Lagoon TC #3 (440-273975-9)		10/28/20	11:30 Pacific	Solid	X			1	
<small>Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.</small>									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Unconfirmed					<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months	
Deliverable Requested: I, II, III, IV, Other (specify)					Primary Deliverable Rank: 2				
					Special Instructions/QC Requirements:				
Empty Kit Relinquished by:		Date:	Time:			Method of Shipment:			
Relinquished by: <i>Olego Cinelias</i>		Date/Time: 10/30/20 1700	Company: ECA-IRU	Received by: <i>Kathy Huber</i>		Date/Time: 10/31/20 0920	Company: TASED		
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:		
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:		
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		<i>A2 = 1.9</i>			

Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Roberts, Danielle C		Carrier Tracking No(s):		COC No: 440-163673.2	
Client Contact: Shipping/Receiving		Phone:		E-Mail: Danielle.Roberts@Eurofinset.com		State of Origin: California		Page: Page 2 of 2	
Company: TestAmerica Laboratories, Inc.				Accreditations Required (See note): State Program - California				Job #: 440-273975-1	
Address: 5755 8th Street East, ,		Due Date Requested: 11/16/2020				Analysis Requested		Preservation Codes:	
City: Tacoma		TAT Requested (days):						A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na252O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)
State, Zip: WA, 98424								Other:	
Phone: 253-922-2310(Tel) 253-922-5047(Fax)		PO #:							
Email:		WO #:							
Project Name: San Elijo		Project #: 44013530							
Site: San Elijo - Water Reclamation Facility		SSOW#:							
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab) <small>B=Tissue, A=Air</small>	Matrix (W=water, S=solid, O=waste/oil)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
San Elijo Lagoon TC #4 (440-273975-10)		10/28/20	11:30 Pacific	Solid		X		1	
San Elijo Lagoon TC #5 (440-273975-11)		10/28/20	11:30 Pacific	Solid		X		1	
San Elijo Lagoon TC #6 (440-273975-12)		10/28/20	11:30 Pacific	Solid		X		1	
<p>Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.</p>									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Unconfirmed					<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months	
Deliverable Requested: I, II, III, IV, Other (specify)					Primary Deliverable Rank: 2				
					Special Instructions/QC Requirements:				
Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:				
Relinquished by: <i>Daya Cinelus</i>		Date/Time: <i>10/30/20 1700</i>	Company: <i>TASCO</i>		Received by: <i>Anythor</i>		Date/Time: <i>10/31/20 0920</i>	Company: <i>TASCO</i>	
Relinquished by:		Date/Time:	Company		Received by:		Date/Time:	Company	
Relinquished by:		Date/Time:	Company		Received by:		Date/Time:	Company	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:				

Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-273975-1

Login Number: 273975

List Source: Eurofins Irvine

List Number: 1

Creator: Escalante, Maria I

Question	Answer	Comment	
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True		
The cooler's custody seal, if present, is intact.	N/A	Not present	
Sample custody seals, if present, are intact.	N/A	Not Present	
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	True		
Cooler Temperature is acceptable.	True		
Cooler Temperature is recorded.	True		
COC is present.	True		
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
Is the Field Sampler's name present on COC?	True		
There are no discrepancies between the containers received and the COC.	True		
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-273975-1

Login Number: 273975

List Source: Eurofins Calscience

List Number: 2

List Creation: 10/30/20 03:59 PM

Creator: Rivera, Isaac

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-273975-1

Login Number: 273975

List Source: Eurofins TestAmerica, Seattle

List Number: 3

List Creation: 10/31/20 11:55 AM

Creator: Vallelunga, Diana L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-273975-1

Login Number: 273975

List Source: Eurofins TestAmerica, Seattle

List Number: 4

List Creation: 10/31/20 11:59 AM

Creator: Vallelunga, Diana L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

Laboratory Job ID: 440-274042-1

Client Project/Site: San Elijo

For:
San Elijo Joint Powers Auth.
2695 Manchester Avenue
Cardiff, California 92007

Attn: Susie Arredondo

Danielle Roberts

Authorized for release by:
11/18/2020 10:10:15 AM

Danielle Roberts, Senior Project Manager
(949)260-3249

Danielle.Roberts@Eurofinset.com

LINKS

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Expert

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-274042-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID	
440-274042-1	San Elijo Lagoon MC #7	Solid	10/30/20 10:30	10/30/20 16:45		1
440-274042-2	San Elijo Lagoon MC #8	Solid	10/30/20 10:30	10/30/20 16:45		2
440-274042-3	San Elijo Lagoon MC #9	Solid	10/30/20 10:30	10/30/20 16:45		3
440-274042-4	San Elijo Lagoon TC #7	Solid	10/30/20 10:30	10/30/20 16:45		4
440-274042-5	San Elijo Lagoon TC #8	Solid	10/30/20 10:30	10/30/20 16:45		5
440-274042-6	San Elijo Lagoon TC #9	Solid	10/30/20 10:30	10/30/20 16:45		6

Case Narrative

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-274042-1

Job ID: 440-274042-1

Laboratory: Eurofins Calscience Irvine

Narrative

Job Narrative 440-274042-1

Comments

No additional comments.

Receipt

The samples were received on 10/30/2020 4:45 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

HPLC/IC

Method 300.0: Due to the high concentration of Nitrate as N, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 570-107522 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method D4464: The sample duplicate precision for the following sample associated with analytical batch 570-109181 was outside control limits: (570-43077-A-4 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: San Elijo Joint Powers Auth.

Job ID: 440-274042-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon MC #7

Lab Sample ID: 440-274042-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	15000		2000	97	mg/Kg	1	9060		Total/NA
Total Kjeldahl Nitrogen	900		200	110	mg/Kg	1	SM 4500 Norg B		Total/NA
Total Nitrogen	900		10	5.5	mg/Kg	1	Total Nitrogen		Total/NA
Clay(less than 0.00391 mm)	19.95		0.01	0.01	%	1	D4464		Total/NA
Fine Sand (0.125 to 0.25mm)	1.76		0.01	0.01	%	1	D4464		Total/NA
Silt (0.00391 to 0.0625mm)	67.58		0.01	0.01	%	1	D4464		Total/NA
Total Silt and Clay (0 to 0.0626mm)	87.53		0.01	0.01	%	1	D4464		Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	10.70		0.01	0.01	%	1	D4464		Total/NA

Client Sample ID: San Elijo Lagoon MC #8

Lab Sample ID: 440-274042-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	25000		2000	97	mg/Kg	1	9060		Total/NA
Total Kjeldahl Nitrogen	1200		200	110	mg/Kg	1	SM 4500 Norg B		Total/NA
Total Nitrogen	1200		10	5.5	mg/Kg	1	Total Nitrogen		Total/NA
Clay(less than 0.00391 mm)	15.55		0.01	0.01	%	1	D4464		Total/NA
Fine Sand (0.125 to 0.25mm)	7.05		0.01	0.01	%	1	D4464		Total/NA
Silt (0.00391 to 0.0625mm)	63.65		0.01	0.01	%	1	D4464		Total/NA
Total Silt and Clay (0 to 0.0626mm)	79.21		0.01	0.01	%	1	D4464		Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	13.74		0.01	0.01	%	1	D4464		Total/NA

Client Sample ID: San Elijo Lagoon MC #9

Lab Sample ID: 440-274042-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	6800		2000	97	mg/Kg	1	9060		Total/NA
Total Kjeldahl Nitrogen	960		200	110	mg/Kg	1	SM 4500 Norg B		Total/NA
Total Nitrogen	960		10	5.5	mg/Kg	1	Total Nitrogen		Total/NA
Clay(less than 0.00391 mm)	39.71		0.01	0.01	%	1	D4464		Total/NA
Silt (0.00391 to 0.0625mm)	57.61		0.01	0.01	%	1	D4464		Total/NA
Total Silt and Clay (0 to 0.0626mm)	97.32		0.01	0.01	%	1	D4464		Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	2.68		0.01	0.01	%	1	D4464		Total/NA

Client Sample ID: San Elijo Lagoon TC #7

Lab Sample ID: 440-274042-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	7600		2000	97	mg/Kg	1	9060		Total/NA
Total Kjeldahl Nitrogen	950		200	110	mg/Kg	1	SM 4500 Norg B		Total/NA
Total Nitrogen	950		10	5.5	mg/Kg	1	Total Nitrogen		Total/NA
Clay(less than 0.00391 mm)	25.32		0.01	0.01	%	1	D4464		Total/NA
Fine Sand (0.125 to 0.25mm)	2.40		0.01	0.01	%	1	D4464		Total/NA
Silt (0.00391 to 0.0625mm)	60.82		0.01	0.01	%	1	D4464		Total/NA
Total Silt and Clay (0 to 0.0626mm)	86.14		0.01	0.01	%	1	D4464		Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	11.46		0.01	0.01	%	1	D4464		Total/NA

Client Sample ID: San Elijo Lagoon TC #8

Lab Sample ID: 440-274042-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	7900		2000	97	mg/Kg	1	9060		Total/NA
Total Kjeldahl Nitrogen	900		200	110	mg/Kg	1	SM 4500 Norg B		Total/NA
Total Nitrogen	900		10	5.5	mg/Kg	1	Total Nitrogen		Total/NA
Clay(less than 0.00391 mm)	16.16		0.01	0.01	%	1	D4464		Total/NA
Fine Sand (0.125 to 0.25mm)	5.08		0.01	0.01	%	1	D4464		Total/NA
Silt (0.00391 to 0.0625mm)	67.77		0.01	0.01	%	1	D4464		Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience Irvine

Detection Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-274042-1

Client Sample ID: San Elijo Lagoon TC #8 (Continued)

Lab Sample ID: 440-274042-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Silt and Clay (0 to 0.0626mm)	83.93		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	10.99		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #9

Lab Sample ID: 440-274042-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	9400		2000	97	mg/Kg	1		9060	Total/NA
Total Kjeldahl Nitrogen	1300		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	1300		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay(less than 0.00391 mm)	19.55		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	3.54		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	62.07		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	81.62		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	14.84		0.01	0.01	%	1		D4464	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience Irvine

Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-274042-1

Client Sample ID: San Elijo Lagoon MC #7

Lab Sample ID: 440-274042-1

Matrix: Solid

Date Collected: 10/30/20 10:30
Date Received: 10/30/20 16:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	15000		2000	97	mg/Kg			11/11/20 12:38	1
Total Kjeldahl Nitrogen	900		200	110	mg/Kg		11/16/20 15:00	11/16/20 22:35	1
Total Nitrogen	900		10	5.5	mg/Kg			11/16/20 22:35	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	19.95		0.01	0.01	%			11/11/20 15:20	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/11/20 15:20	1
Fine Sand (0.125 to 0.25mm)	1.76		0.01	0.01	%			11/11/20 15:20	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/11/20 15:20	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/11/20 15:20	1
Silt (0.00391 to 0.0625mm)	67.58		0.01	0.01	%			11/11/20 15:20	1
Total Silt and Clay (0 to 0.0626mm)	87.53		0.01	0.01	%			11/11/20 15:20	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/11/20 15:20	1
Very Fine Sand (0.0625 to 0.125 mm)	10.70		0.01	0.01	%			11/11/20 15:20	1

Client Sample ID: San Elijo Lagoon MC #8

Lab Sample ID: 440-274042-2

Matrix: Solid

Date Collected: 10/30/20 10:30
Date Received: 10/30/20 16:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	25000		2000	97	mg/Kg			11/11/20 12:43	1
Total Kjeldahl Nitrogen	1200		200	110	mg/Kg		11/16/20 15:00	11/16/20 22:35	1
Total Nitrogen	1200		10	5.5	mg/Kg			11/16/20 22:35	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	15.55		0.01	0.01	%			11/11/20 15:28	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/11/20 15:28	1
Fine Sand (0.125 to 0.25mm)	7.05		0.01	0.01	%			11/11/20 15:28	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/11/20 15:28	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/11/20 15:28	1
Silt (0.00391 to 0.0625mm)	63.65		0.01	0.01	%			11/11/20 15:28	1
Total Silt and Clay (0 to 0.0626mm)	79.21		0.01	0.01	%			11/11/20 15:28	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/11/20 15:28	1
Very Fine Sand (0.0625 to 0.125 mm)	13.74		0.01	0.01	%			11/11/20 15:28	1

Client Sample ID: San Elijo Lagoon MC #9

Lab Sample ID: 440-274042-3

Matrix: Solid

Date Collected: 10/30/20 10:30
Date Received: 10/30/20 16:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	6800		2000	97	mg/Kg			11/11/20 12:47	1
Total Kjeldahl Nitrogen	960		200	110	mg/Kg		11/16/20 15:00	11/16/20 22:35	1
Total Nitrogen	960		10	5.5	mg/Kg			11/16/20 22:35	1

Client Sample Results

Client: San Elijo Joint Powers Auth.

Job ID: 440-274042-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon MC #9

Lab Sample ID: 440-274042-3

Matrix: Solid

Date Collected: 10/30/20 10:30

Date Received: 10/30/20 16:45

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	39.71		0.01	0.01	%			11/11/20 15:37	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/11/20 15:37	1
Fine Sand (0.125 to 0.25mm)	ND		0.01	0.01	%			11/11/20 15:37	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/11/20 15:37	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/11/20 15:37	1
Silt (0.00391 to 0.0625mm)	57.61		0.01	0.01	%			11/11/20 15:37	1
Total Silt and Clay (0 to 0.0626mm)	97.32		0.01	0.01	%			11/11/20 15:37	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/11/20 15:37	1
Very Fine Sand (0.0625 to 0.125 mm)	2.68		0.01	0.01	%			11/11/20 15:37	1

Client Sample ID: San Elijo Lagoon TC #7

Lab Sample ID: 440-274042-4

Matrix: Solid

Date Collected: 10/30/20 10:30

Date Received: 10/30/20 16:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	7600		2000	97	mg/Kg			11/11/20 12:56	1
Total Kjeldahl Nitrogen	950		200	110	mg/Kg		11/16/20 15:00	11/16/20 22:35	1
Total Nitrogen	950		10	5.5	mg/Kg			11/16/20 22:35	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	25.32		0.01	0.01	%			11/11/20 15:48	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/11/20 15:48	1
Fine Sand (0.125 to 0.25mm)	2.40		0.01	0.01	%			11/11/20 15:48	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/11/20 15:48	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/11/20 15:48	1
Silt (0.00391 to 0.0625mm)	60.82		0.01	0.01	%			11/11/20 15:48	1
Total Silt and Clay (0 to 0.0626mm)	86.14		0.01	0.01	%			11/11/20 15:48	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/11/20 15:48	1
Very Fine Sand (0.0625 to 0.125 mm)	11.46		0.01	0.01	%			11/11/20 15:48	1

Client Sample ID: San Elijo Lagoon TC #8

Lab Sample ID: 440-274042-5

Matrix: Solid

Date Collected: 10/30/20 10:30

Date Received: 10/30/20 16:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	7900		2000	97	mg/Kg			11/11/20 13:01	1
Total Kjeldahl Nitrogen	900		200	110	mg/Kg		11/16/20 15:00	11/16/20 22:35	1
Total Nitrogen	900		10	5.5	mg/Kg			11/16/20 22:35	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	16.16		0.01	0.01	%			11/11/20 16:12	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/11/20 16:12	1
Fine Sand (0.125 to 0.25mm)	5.08		0.01	0.01	%			11/11/20 16:12	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/11/20 16:12	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/11/20 16:12	1

Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-274042-1

Client Sample ID: San Elijo Lagoon TC #8

Lab Sample ID: 440-274042-5

Matrix: Solid

Date Collected: 10/30/20 10:30
Date Received: 10/30/20 16:45

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silt (0.00391 to 0.0625mm)	67.77		0.01	0.01	%			11/11/20 16:12	1
Total Silt and Clay (0 to 0.0626mm)	83.93		0.01	0.01	%			11/11/20 16:12	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/11/20 16:12	1
Very Fine Sand (0.0625 to 0.125 mm)	10.99		0.01	0.01	%			11/11/20 16:12	1

Client Sample ID: San Elijo Lagoon TC #9

Lab Sample ID: 440-274042-6

Matrix: Solid

Date Collected: 10/30/20 10:30
Date Received: 10/30/20 16:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	9400		2000	97	mg/Kg			11/11/20 13:05	1
Total Kjeldahl Nitrogen	1300		200	110	mg/Kg		11/16/20 15:00	11/16/20 22:35	1
Total Nitrogen	1300		10	5.5	mg/Kg			11/16/20 22:35	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay(less than 0.00391 mm)	19.55		0.01	0.01	%			11/11/20 16:19	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/11/20 16:19	1
Fine Sand (0.125 to 0.25mm)	3.54		0.01	0.01	%			11/11/20 16:19	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/11/20 16:19	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/11/20 16:19	1
Silt (0.00391 to 0.0625mm)	62.07		0.01	0.01	%			11/11/20 16:19	1
Total Silt and Clay (0 to 0.0626mm)	81.62		0.01	0.01	%			11/11/20 16:19	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/11/20 16:19	1
Very Fine Sand (0.0625 to 0.125 mm)	14.84		0.01	0.01	%			11/11/20 16:19	1

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

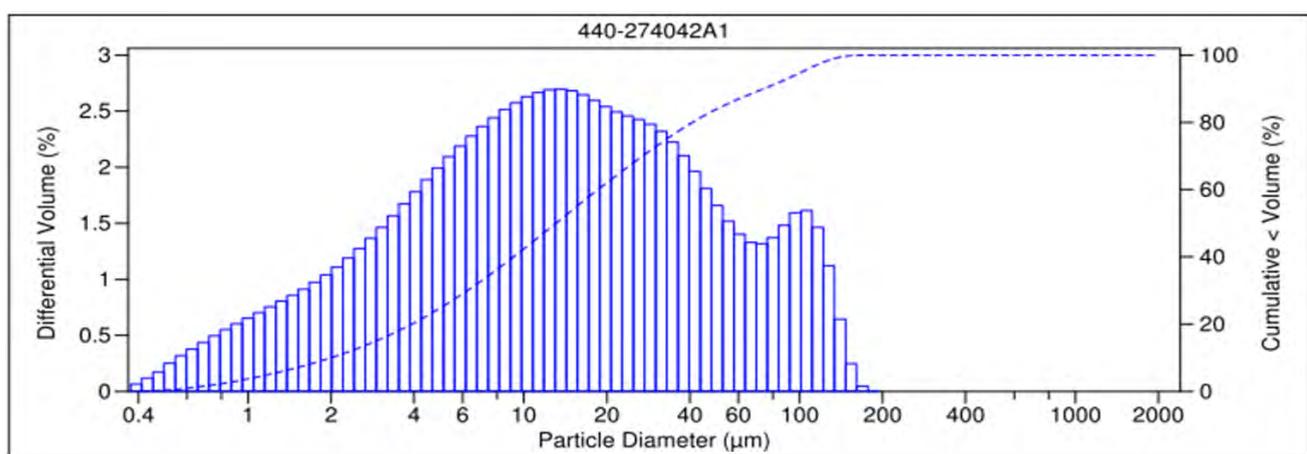
San Elijo Water Reclamation Facility

Date Sampled: 10/30/20
 Date Received: 10/30/20
 Work Order No: 440-274042
 Date Analyzed: 11/11/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC#7		Silt	0.026

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	1.76	10.70	67.58	19.95	87.53



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

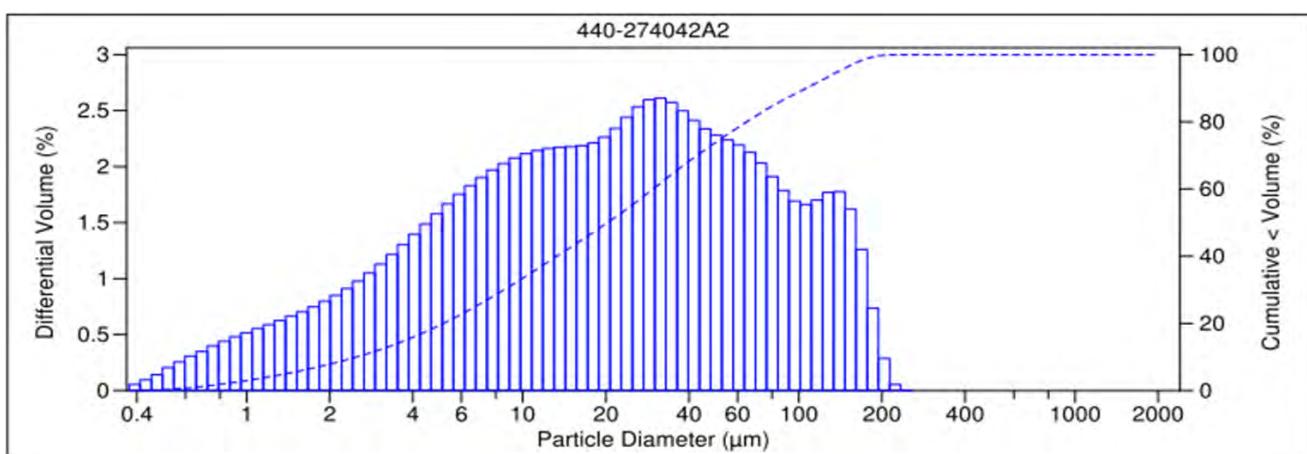
San Elijo Water Reclamation Facility

Date Sampled: 10/30/20
 Date Received: 10/30/20
 Work Order No: 440-274042
 Date Analyzed: 11/11/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC#8		Silt	0.038

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	7.05	13.74	63.65	15.55	79.21



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

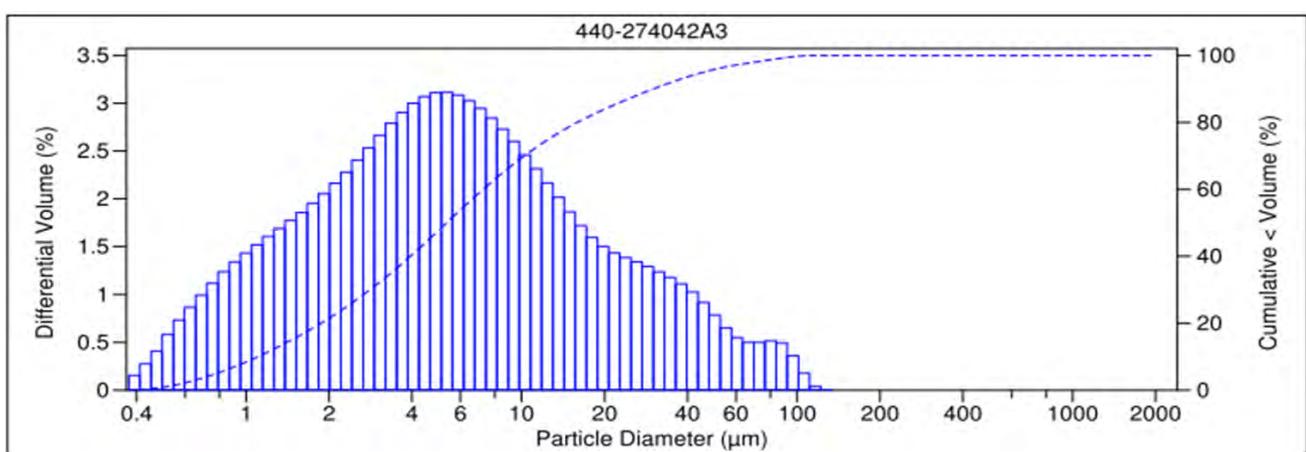
San Elijo Water Reclamation Facility

Date Sampled: 10/30/20
Date Received: 10/30/20
Work Order No: 440-274042
Date Analyzed: 11/11/20
Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC#9		Silt	0.011

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	0.00	2.68	57.61	39.71	97.32



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

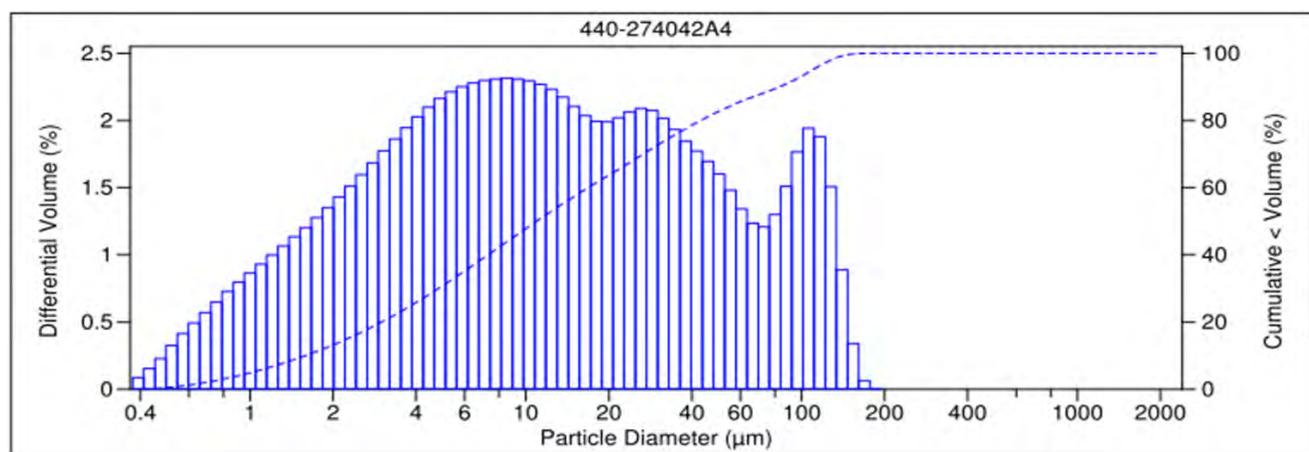
San Elijo Water Reclamation Facility

Date Sampled: 10/30/20
 Date Received: 10/30/20
 Work Order No: 440-274042
 Date Analyzed: 11/11/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC#7		Silt	0.026

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	2.40	11.46	60.82	25.32	86.14



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

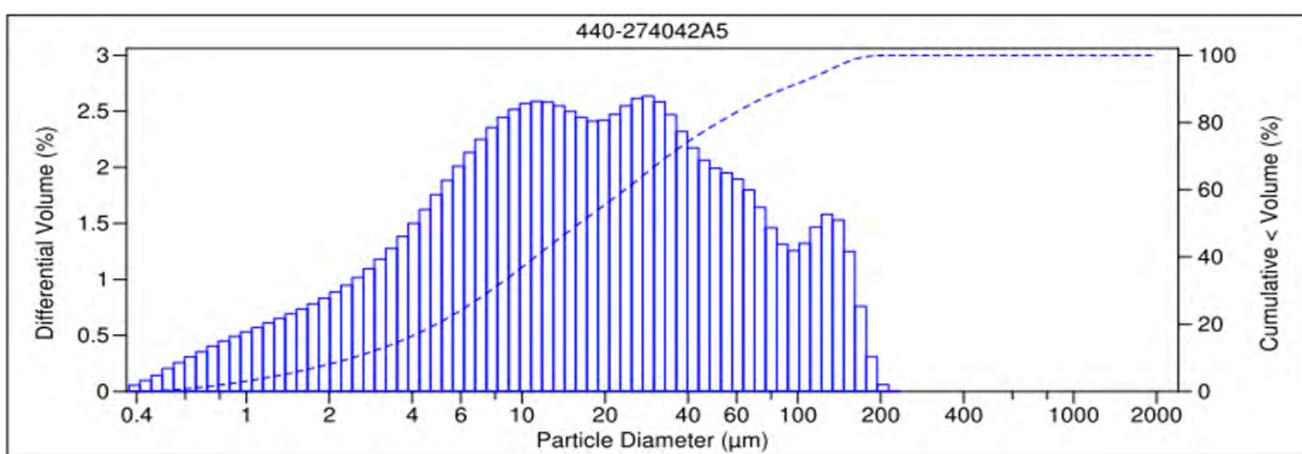
San Elijo Water Reclamation Facility

Date Sampled: 10/30/20
 Date Received: 10/30/20
 Work Order No: 440-274042
 Date Analyzed: 11/11/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC#8		Silt	0.032

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	5.08	10.99	67.77	16.16	83.93



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

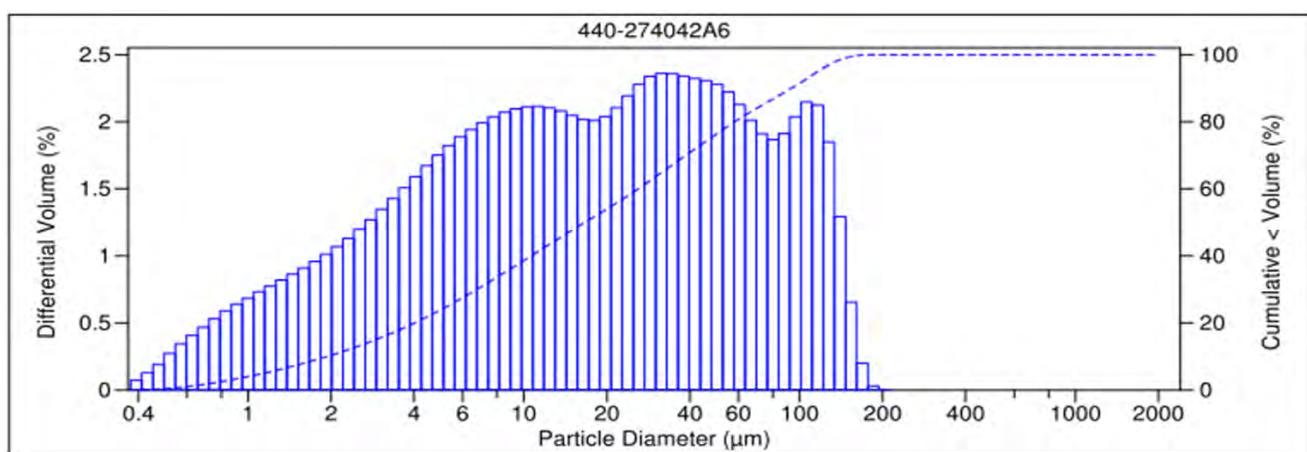
San Elijo Water Reclamation Facility

Date Sampled: 10/30/20
 Date Received: 10/30/20
 Work Order No: 440-274042
 Date Analyzed: 11/11/20
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC#9		Silt	0.033

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	3.54	14.84	62.07	19.55	81.62



V 3.0

Method Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-274042-1

Method	Method Description	Protocol	Laboratory
9060	Organic Carbon, Total (TOC)	SW846	TAL SEA
SM 4500 Norg B	Nitrogen, Organic	SM	ECL 1
Total Nitrogen	Nitrogen, Total	EPA	ECL 1
D4464	Particle Size Distribution of Catalytic Material (Laser light scattering)	ASTM	ECL 1
351.2	Nitrogen, Total Kjeldahl	MCAWW	ECL 1

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Lab Chronicle

Client: San Elijo Joint Powers Auth.

Job ID: 440-274042-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon MC #7

Lab Sample ID: 440-274042-1

Matrix: Solid

Date Collected: 10/30/20 10:30

Date Received: 10/30/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342967	11/11/20 12:38	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110099	11/16/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110101	11/16/20 22:35	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110167	11/16/20 22:35	UAPD	ECL 1
Total/NA	Analysis	D4464		1			109181	11/11/20 15:20	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #8

Lab Sample ID: 440-274042-2

Matrix: Solid

Date Collected: 10/30/20 10:30

Date Received: 10/30/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342967	11/11/20 12:43	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110099	11/16/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110101	11/16/20 22:35	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110167	11/16/20 22:35	UAPD	ECL 1
Total/NA	Analysis	D4464		1			109181	11/11/20 15:28	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #9

Lab Sample ID: 440-274042-3

Matrix: Solid

Date Collected: 10/30/20 10:30

Date Received: 10/30/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342967	11/11/20 12:47	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110099	11/16/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110101	11/16/20 22:35	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110167	11/16/20 22:35	UAPD	ECL 1
Total/NA	Analysis	D4464		1			109181	11/11/20 15:37	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #7

Lab Sample ID: 440-274042-4

Matrix: Solid

Date Collected: 10/30/20 10:30

Date Received: 10/30/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342967	11/11/20 12:56	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110099	11/16/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110101	11/16/20 22:35	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110167	11/16/20 22:35	UAPD	ECL 1
Total/NA	Analysis	D4464		1			109181	11/11/20 15:48	C4LT	ECL 1

Lab Chronicle

Client: San Elijo Joint Powers Auth.

Job ID: 440-274042-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon TC #8

Lab Sample ID: 440-274042-5

Matrix: Solid

Date Collected: 10/30/20 10:30

Date Received: 10/30/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342967	11/11/20 13:01	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110099	11/16/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110101	11/16/20 22:35	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110167	11/16/20 22:35	UAPD	ECL 1
Total/NA	Analysis	D4464		1			109181	11/11/20 16:12	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #9

Lab Sample ID: 440-274042-6

Matrix: Solid

Date Collected: 10/30/20 10:30

Date Received: 10/30/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060		1			342967	11/11/20 13:05	FCG	TAL SEA
Total/NA	Prep	351.2			0.5 g	200 mL	110099	11/16/20 15:00	B4PP	ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	110101	11/16/20 22:35	B4PP	ECL 1
Total/NA	Analysis	Total Nitrogen		1			110167	11/16/20 22:35	UAPD	ECL 1
Total/NA	Analysis	D4464		1			109181	11/11/20 16:19	C4LT	ECL 1

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-274042-1

Method: 9060 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-342967/5

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	ND		2000	97	mg/Kg			11/11/20 12:15	1

Lab Sample ID: LCS 580-342967/6

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits		
TOC Result 1	120000	109000		mg/Kg		91	40 - 180		

Lab Sample ID: LCSD 580-342967/7

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	Limits	RPD	RPD Limit
TOC Result 1	120000	110000		mg/Kg		92	40 - 180	1	

Lab Sample ID: 440-273975-B-12 MS

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits	
TOC Result 1	13000		120000	129000		mg/Kg		96		

Lab Sample ID: 440-273975-B-12 MSD

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	Limits	RPD	RPD Limit
TOC Result 1	13000		120000	124000		mg/Kg		92		4	

Lab Sample ID: 440-273975-B-12 DU

Matrix: Solid

Analysis Batch: 342967

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D		RPD	RPD Limit
TOC Result 1	13000			14200		mg/Kg			5	

Method: SM 4500 Norg B - Nitrogen, Organic

Lab Sample ID: MB 570-110099/1-A

Matrix: Solid

Analysis Batch: 110101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		10	5.5	mg/Kg		11/16/20 15:00	11/16/20 22:35	1

Eurofins Calscience Irvine

QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-274042-1

Method: SM 4500 Norg B - Nitrogen, Organic (Continued)

Lab Sample ID: 440-274042-3 DU

Matrix: Solid

Analysis Batch: 110101

Client Sample ID: San Elijo Lagoon MC #9

Prep Type: Total/NA

Prep Batch: 110099

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Kjeldahl Nitrogen	960		924		mg/Kg		4	25

QC Association Summary

Client: San Elijo Joint Powers Auth.

Job ID: 440-274042-1

Project/Site: San Elijo

General Chemistry

Prep Batch: 110099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-274042-1	San Elijo Lagoon MC #7	Total/NA	Solid	351.2	
440-274042-2	San Elijo Lagoon MC #8	Total/NA	Solid	351.2	
440-274042-3	San Elijo Lagoon MC #9	Total/NA	Solid	351.2	
440-274042-4	San Elijo Lagoon TC #7	Total/NA	Solid	351.2	
440-274042-5	San Elijo Lagoon TC #8	Total/NA	Solid	351.2	
440-274042-6	San Elijo Lagoon TC #9	Total/NA	Solid	351.2	
MB 570-110099/1-A	Method Blank	Total/NA	Solid	351.2	
440-274042-3 DU	San Elijo Lagoon MC #9	Total/NA	Solid	351.2	

Analysis Batch: 110101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-274042-1	San Elijo Lagoon MC #7	Total/NA	Solid	SM 4500 Norg B	110099
440-274042-2	San Elijo Lagoon MC #8	Total/NA	Solid	SM 4500 Norg B	110099
440-274042-3	San Elijo Lagoon MC #9	Total/NA	Solid	SM 4500 Norg B	110099
440-274042-4	San Elijo Lagoon TC #7	Total/NA	Solid	SM 4500 Norg B	110099
440-274042-5	San Elijo Lagoon TC #8	Total/NA	Solid	SM 4500 Norg B	110099
440-274042-6	San Elijo Lagoon TC #9	Total/NA	Solid	SM 4500 Norg B	110099
MB 570-110099/1-A	Method Blank	Total/NA	Solid	SM 4500 Norg B	110099
440-274042-3 DU	San Elijo Lagoon MC #9	Total/NA	Solid	SM 4500 Norg B	110099

Analysis Batch: 110167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-274042-1	San Elijo Lagoon MC #7	Total/NA	Solid	Total Nitrogen	
440-274042-2	San Elijo Lagoon MC #8	Total/NA	Solid	Total Nitrogen	
440-274042-3	San Elijo Lagoon MC #9	Total/NA	Solid	Total Nitrogen	
440-274042-4	San Elijo Lagoon TC #7	Total/NA	Solid	Total Nitrogen	
440-274042-5	San Elijo Lagoon TC #8	Total/NA	Solid	Total Nitrogen	
440-274042-6	San Elijo Lagoon TC #9	Total/NA	Solid	Total Nitrogen	

Analysis Batch: 342967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-274042-1	San Elijo Lagoon MC #7	Total/NA	Solid	9060	
440-274042-2	San Elijo Lagoon MC #8	Total/NA	Solid	9060	
440-274042-3	San Elijo Lagoon MC #9	Total/NA	Solid	9060	
440-274042-4	San Elijo Lagoon TC #7	Total/NA	Solid	9060	
440-274042-5	San Elijo Lagoon TC #8	Total/NA	Solid	9060	
440-274042-6	San Elijo Lagoon TC #9	Total/NA	Solid	9060	
MB 580-342967/5	Method Blank	Total/NA	Solid	9060	
LCS 580-342967/6	Lab Control Sample	Total/NA	Solid	9060	
LCSD 580-342967/7	Lab Control Sample Dup	Total/NA	Solid	9060	
440-273975-B-12 MS	Matrix Spike	Total/NA	Solid	9060	
440-273975-B-12 MSD	Matrix Spike Duplicate	Total/NA	Solid	9060	
440-273975-B-12 DU	Duplicate	Total/NA	Solid	9060	

Geotechnical

Analysis Batch: 109181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-274042-1	San Elijo Lagoon MC #7	Total/NA	Solid	D4464	
440-274042-2	San Elijo Lagoon MC #8	Total/NA	Solid	D4464	
440-274042-3	San Elijo Lagoon MC #9	Total/NA	Solid	D4464	

Eurofins Calscience Irvine

QC Association Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-274042-1

Geotechnical (Continued)

Analysis Batch: 109181 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-274042-4	San Elijo Lagoon TC #7	Total/NA	Solid	D4464	
440-274042-5	San Elijo Lagoon TC #8	Total/NA	Solid	D4464	
440-274042-6	San Elijo Lagoon TC #9	Total/NA	Solid	D4464	

Definitions/Glossary

Client: San Elijo Joint Powers Auth.

Job ID: 440-274042-1

Project/Site: San Elijo

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-274042-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Laboratory: Eurofins TestAmerica, Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-024	02-19-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2901	11-06-21
Montana (UST)	State	NA	04-13-21
Oregon	NELAP	WA100007	11-05-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C553	02-18-21

Irvine
17461 Denan Ave
Suite 100
Irvine, CA 92614
Tel (949) 261-1024

Chain of Custody Record



America Laboratories, Inc.

Preservation Used: 1=Ice; 2=HCl; 3=H₂SO₄; 4=HNO₃; 5=NaOH; 6=Other

Possible Hazard Identification

No Yes No Yes

Sample Disposal: A fee may be assessed if samples are retained longer than 1 month.

Non-Hazard Flammable Skin

<i>[Signature]</i>	Company <u>Sejpa</u>	Date/Time <u>1210</u>	Received by <i>[Signature]</i>	Company <u>EC-II 2U</u>	Date/Time <u>10-30-20 14:00</u>
<i>[Signature]</i>	Company <u> </u>	Date/Time <u> </u>	Received by <u> </u>	Company <u> </u>	Date/Time <u> </u>
<i>[Signature]</i>	Company <u>EC-II 2U</u>	Date/Time <u>10-30-20</u>	Received by <i>[Signature]</i>	Company <u>E0-1W</u>	Date/Time <u>10/30/20 16:15</u>

Eurofins Calscience Irvine

17461 Derian Ave Suite 100
Irvine, CA 92614-5817
Phone: 949-261-1022 Fax: 949-260-3297

Chain of Custody Record



eurofins

Environment Testing
America

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Roberts, Danielle C			Carrier Tracking No(s):		COC No: 440-163737.1					
Client Contact: Shipping/Receiving		Phone:		E-Mail: Danielle.Roberts@Eurofinset.com			State of Origin: California		Page: Page 1 of 1					
Company: Eurofins Calscience LLC		Accreditations Required (See note): State Program - California							Job #: 440-274042-1					
Address: 7440 Lincoln Way, , City: Garden Grove		Due Date Requested: 11/17/2020		Analysis Requested							Preservation Codes:			
State, Zip: CA, 92841		TAT Requested (days):									A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2S03 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Phone: 714-895-5494(Tel) 714-894-7501(Fax)		PO #:									Other:			
Email:		WO #:												
Project Name: San Elijo		Project #: 44013530												
Site: San Elijo - Water Reclamation Facility		SSOW#:												
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=(Tissue, A=Air)	Matrix (W=water, S=solid, O=waste/soil,	Field Filtered Sample (Yes or No)	Perform ICP/MS/MSD (Yes or No)	Nitrogen/Total Nitrogen	D4646 / Full Analyte List	300_ORGFMSICA_WET_Di Nitrate and Nitrite as N	Total Number of containers	Special Instructions/Note:		
						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
San Elijo Lagoon MC #7 (440-274042-1)		10/30/20	10:30 Pacific	Solid		X X X					1			
San Elijo Lagoon MC #8 (440-274042-2)		10/30/20	10:30 Pacific	Solid		X X X					1			
San Elijo Lagoon MC #9 (440-274042-3)		10/30/20	10:30 Pacific	Solid		X X X					1			
San Elijo Lagoon TC #7 (440-274042-4)		10/30/20	10:30 Pacific	Solid		X X X					1			
San Elijo Lagoon TC #8 (440-274042-5)		10/30/20	10:30 Pacific	Solid		X X X					1			
San Elijo Lagoon TC #9 (440-274042-6)		10/30/20	10:30 Pacific	Solid		X X X					1			
<p>Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.</p>														
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)												
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months												
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2		Special Instructions/QC Requirements:										
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:								
Relinquished by: <i>SC</i>		Date/Time: <i>10-31-20 10:20</i>		Company: <i>EFCI</i>		Received by: <i>PF</i>		Date/Time: <i>10-31-2020 10:20</i>		Company: <i>EFCI</i>				
Relinquished by:		Date/Time:		Company		Received by:		Date/Time:		Company				
Relinquished by:		Date/Time:		Company		Received by:		Date/Time:		Company				
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: <i>2-S / 1-7 SC6</i>		Cooler Temperature(s) °C and Other Remarks:										

Chain of Custody Record



Chain of Custody Record



Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-274042-1

Login Number: 274042

List Source: Eurofins Irvine

List Number: 1

Creator: Escalante, Maria I

Question	Answer	Comment	
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True		
The cooler's custody seal, if present, is intact.	N/A	Not present	
Sample custody seals, if present, are intact.	N/A	Not Present	
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	True		
Cooler Temperature is acceptable.	True		
Cooler Temperature is recorded.	True		
COC is present.	True		
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
Is the Field Sampler's name present on COC?	True		
There are no discrepancies between the containers received and the COC.	True		
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-274042-1

Login Number: 274042

List Source: Eurofins Calscience

List Number: 2

List Creation: 10/31/20 10:57 AM

Creator: Ramos, Maribel

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-274042-1

Login Number: 274042

List Source: Eurofins TestAmerica, Seattle

List Number: 3

List Creation: 11/03/20 02:18 PM

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.1°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment 2

2021 Soils Report



eurofins

Environment Testing
America



ANALYTICAL REPORT

Eurofins Calscience Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

Laboratory Job ID: 440-291331-1

Client Project/Site: San Elijo

For:

San Elijo Joint Powers Auth.
2695 Manchester Avenue
Cardiff, California 92007

Attn: Susie Arredondo

Authorized for release by:

12/1/2021 10:41:18 AM

Danielle Roberts, Senior Project Manager
(949)260-3249

Danielle.Roberts@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-291331-1	San Elijo Lagoon MC #1	Solid	11/10/21 10:46	11/10/21 19:00
440-291331-2	San Elijo Lagoon MC #2	Solid	11/10/21 10:20	11/10/21 19:00
440-291331-3	San Elijo Lagoon MC #3	Solid	11/10/21 10:13	11/10/21 19:00
440-291331-4	San Elijo Lagoon MC #4	Solid	11/10/21 09:57	11/10/21 19:00
440-291331-5	San Elijo Lagoon MC #5	Solid	11/10/21 09:26	11/10/21 19:00
440-291331-6	San Elijo Lagoon MC #6	Solid	11/10/21 09:05	11/10/21 19:00
440-291331-7	San Elijo Lagoon TC #1	Solid	11/10/21 07:55	11/10/21 19:00
440-291331-8	San Elijo Lagoon TC #2	Solid	11/10/21 08:55	11/10/21 19:00
440-291331-9	San Elijo Lagoon TC #3	Solid	11/10/21 10:30	11/10/21 19:00
440-291331-10	San Elijo Lagoon TC #4	Solid	11/10/21 10:06	11/10/21 19:00
440-291331-11	San Elijo Lagoon TC #5	Solid	11/10/21 09:40	11/10/21 19:00
440-291331-12	San Elijo Lagoon TC #6	Solid	11/10/21 09:17	11/10/21 19:00

Case Narrative

Client: San Elijo Joint Powers Auth.

Job ID: 440-291331-1

Project/Site: San Elijo

Job ID: 440-291331-1

Laboratory: Eurofins Calscience Irvine

Narrative

Job Narrative 440-291331-1

Comments

No additional comments.

Receipt

The samples were received on 11/10/2021 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.0° C.

HPLC/IC

Method 300.0: The following samples were analyzed outside of analytical holding time due to an error in sample scheduling: San Elijo Lagoon MC 1 (440-291331-1), San Elijo Lagoon MC #2 (440-291331-2), San Elijo Lagoon MC #3 (440-291331-3), San Elijo Lagoon MC #4 (440-291331-4), San Elijo Lagoon MC #5 (440-291331-5), San Elijo Lagoon MC #6 (440-291331-6), San Elijo Lagoon TC #1 (440-291331-7), San Elijo Lagoon TC #3 (440-291331-9), San Elijo Lagoon TC #4 (440-291331-10), San Elijo Lagoon TC #5 (440-291331-11) and San Elijo Lagoon TC #6 (440-291331-12).

Method 300.0: The followings samples were analyzed at a dilution due to the Matrix Conductivity Threshold (MCT) of the instrument: San Elijo Lagoon MC 1 (440-291331-1), San Elijo Lagoon TC #3 (440-291331-9), San Elijo Lagoon TC #4 (440-291331-10), San Elijo Lagoon TC #5 (440-291331-11) and San Elijo Lagoon TC #6 (440-291331-12). The reporting limits have been adjusted accordingly.

Method 300.0: The followings sample was analyzed at a dilution due to the Matrix Conductivity Threshold (MCT) of the instrument: San Elijo Lagoon TC #2 (440-291331-8). The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method D4464: The sample duplicate precision for the following sample associated with analytical batch 570-196449 was flagged as being outside control limits due to a L.I.M.S. limitation: San Elijo Lagoon TC #2 (440-291331-8) and (440-291331-A-8 DU). The mean grain size for the sample and sample duplicate were within RPD acceptance criteria. Method D4464.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Client Sample ID: San Elijo Lagoon MC 1

Lab Sample ID: 440-291331-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	5600		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	600		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	600		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	14.31		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	7.71		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	49.85		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	64.15		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	28.14		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #2

Lab Sample ID: 440-291331-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	2800		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	560		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	560		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	12.47		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	35.88		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	0.01		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	34.30		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	46.78		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	17.33		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #3

Lab Sample ID: 440-291331-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	2800		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	340		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	340		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	13.44		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	31.07		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	0.01		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	35.04		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	48.49		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	20.43		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #4

Lab Sample ID: 440-291331-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	4100		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	430		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	430		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	1.30		0.01	0.01	%	1		D4464	Total/NA
Coarse Sand (0.5mm to 1mm)	21.82		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	23.52		0.01	0.01	%	1		D4464	Total/NA
Gravel (greater than 2 mm)	7.33		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	28.72		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	4.46		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	5.76		0.01	0.01	%	1		D4464	Total/NA
Very Coarse Sand (1 to 2mm)	5.13		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	7.72		0.01	0.01	%	1		D4464	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience Irvine

Detection Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Client Sample ID: San Elijo Lagoon MC #5

Lab Sample ID: 440-291331-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	5700		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	630		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	630		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	28.09		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	0.02		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	58.58		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	86.66		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	13.32		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #6

Lab Sample ID: 440-291331-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	3500		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	360		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	360		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	8.66		0.01	0.01	%	1		D4464	Total/NA
Coarse Sand (0.5mm to 1mm)	6.55		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	24.77		0.01	0.01	%	1		D4464	Total/NA
Gravel (greater than 2 mm)	1.63		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	34.68		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	16.69		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	25.34		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	7.03		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #1

Lab Sample ID: 440-291331-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	3700		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	680		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	680		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	11.01		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	38.46		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	0.50		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	35.59		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	46.61		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	14.44		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #2

Lab Sample ID: 440-291331-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	1500		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	310		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	310		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	4.29		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	59.18		0.01	0.01	%	1		D4464	Total/NA
Medium Sand (0.25 to 0.5 mm)	4.02		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	16.04		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	20.32		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	16.48		0.01	0.01	%	1		D4464	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience Irvine

Detection Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Client Sample ID: San Elijo Lagoon TC #3

Lab Sample ID: 440-291331-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	5200		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	600		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	600		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	13.25		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	13.79		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	52.66		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	65.90		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	20.31		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #4

Lab Sample ID: 440-291331-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	7400		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	1200		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	1200		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	17.44		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	4.57		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	58.57		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	76.00		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	19.43		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #5

Lab Sample ID: 440-291331-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	5700		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	920		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	920		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	14.23		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	5.50		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	59.84		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	74.07		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	20.43		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #6

Lab Sample ID: 440-291331-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	5200		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	820		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Total Nitrogen	820		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	14.33		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	3.76		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	64.23		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	78.57		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	17.68		0.01	0.01	%	1		D4464	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience Irvine

Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Client Sample ID: San Elijo Lagoon MC 1

Date Collected: 11/10/21 10:46
Date Received: 11/10/21 19:00

Lab Sample ID: 440-291331-1

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.20	0.036	mg/L			11/16/21 12:35	2
Nitrate as N	ND	H	0.20	0.048	mg/L			11/16/21 12:35	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	5600		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	600		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Total Nitrogen	600		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	14.31		0.01	0.01	%			11/23/21 13:39	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/23/21 13:39	1
Fine Sand (0.125 to 0.25mm)	7.71		0.01	0.01	%			11/23/21 13:39	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/23/21 13:39	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/23/21 13:39	1
Silt (0.00391 to 0.0625mm)	49.85		0.01	0.01	%			11/23/21 13:39	1
Total Silt and Clay (0 to 0.0626mm)	64.15		0.01	0.01	%			11/23/21 13:39	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 13:39	1
Very Fine Sand (0.0625 to 0.125 mm)	28.14		0.01	0.01	%			11/23/21 13:39	1

Client Sample ID: San Elijo Lagoon MC #2

Date Collected: 11/10/21 10:20
Date Received: 11/10/21 19:00

Lab Sample ID: 440-291331-2

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.10	0.018	mg/L			11/16/21 12:52	1
Nitrate as N	ND	H	0.10	0.024	mg/L			11/16/21 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	2800		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	560		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Total Nitrogen	560		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	12.47		0.01	0.01	%			11/23/21 13:45	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/23/21 13:45	1
Fine Sand (0.125 to 0.25mm)	35.88		0.01	0.01	%			11/23/21 13:45	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/23/21 13:45	1
Medium Sand (0.25 to 0.5 mm)	0.01		0.01	0.01	%			11/23/21 13:45	1
Silt (0.00391 to 0.0625mm)	34.30		0.01	0.01	%			11/23/21 13:45	1
Total Silt and Clay (0 to 0.0626mm)	46.78		0.01	0.01	%			11/23/21 13:45	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 13:45	1
Very Fine Sand (0.0625 to 0.125 mm)	17.33		0.01	0.01	%			11/23/21 13:45	1

Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Client Sample ID: San Elijo Lagoon MC #3

Lab Sample ID: 440-291331-3

Matrix: Solid

Date Collected: 11/10/21 10:13

Date Received: 11/10/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.10	0.018	mg/L			11/16/21 13:09	1
Nitrate as N	ND	H	0.10	0.024	mg/L			11/16/21 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	2800		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	340		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Total Nitrogen	340		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	13.44		0.01	0.01	%			11/23/21 13:50	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/23/21 13:50	1
Fine Sand (0.125 to 0.25mm)	31.07		0.01	0.01	%			11/23/21 13:50	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/23/21 13:50	1
Medium Sand (0.25 to 0.5 mm)	0.01		0.01	0.01	%			11/23/21 13:50	1
Silt (0.00391 to 0.0625mm)	35.04		0.01	0.01	%			11/23/21 13:50	1
Total Silt and Clay (0 to 0.0626mm)	48.49		0.01	0.01	%			11/23/21 13:50	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 13:50	1
Very Fine Sand (0.0625 to 0.125 mm)	20.43		0.01	0.01	%			11/23/21 13:50	1

Client Sample ID: San Elijo Lagoon MC #4

Lab Sample ID: 440-291331-4

Matrix: Solid

Date Collected: 11/10/21 09:57

Date Received: 11/10/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.10	0.018	mg/L			11/16/21 13:26	1
Nitrate as N	ND	H	0.10	0.024	mg/L			11/16/21 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	4100		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	430		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Total Nitrogen	430		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	1.30		0.01	0.01	%			11/23/21 14:09	1
Coarse Sand (0.5mm to 1mm)	21.82		0.01	0.01	%			11/23/21 14:09	1
Fine Sand (0.125 to 0.25mm)	23.52		0.01	0.01	%			11/23/21 14:09	1
Gravel (greater than 2 mm)	7.33		0.01	0.01	%			11/23/21 14:09	1
Medium Sand (0.25 to 0.5 mm)	28.72		0.01	0.01	%			11/23/21 14:09	1
Silt (0.00391 to 0.0625mm)	4.46		0.01	0.01	%			11/23/21 14:09	1
Total Silt and Clay (0 to 0.0626mm)	5.76		0.01	0.01	%			11/23/21 14:09	1
Very Coarse Sand (1 to 2mm)	5.13		0.01	0.01	%			11/23/21 14:09	1
Very Fine Sand (0.0625 to 0.125 mm)	7.72		0.01	0.01	%			11/23/21 14:09	1

Client Sample Results

Client: San Elijo Joint Powers Auth.

Job ID: 440-291331-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon MC #5

Lab Sample ID: 440-291331-5

Matrix: Solid

Date Collected: 11/10/21 09:26

Date Received: 11/10/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.10	0.018	mg/L			11/16/21 13:42	1
Nitrate as N	ND	H	0.10	0.024	mg/L			11/16/21 13:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	5700		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	630		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Total Nitrogen	630		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	28.09		0.01	0.01	%			11/23/21 14:16	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/23/21 14:16	1
Fine Sand (0.125 to 0.25mm)	0.02		0.01	0.01	%			11/23/21 14:16	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/23/21 14:16	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/23/21 14:16	1
Silt (0.00391 to 0.0625mm)	58.58		0.01	0.01	%			11/23/21 14:16	1
Total Silt and Clay (0 to 0.0626mm)	86.66		0.01	0.01	%			11/23/21 14:16	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 14:16	1
Very Fine Sand (0.0625 to 0.125 mm)	13.32		0.01	0.01	%			11/23/21 14:16	1

Client Sample ID: San Elijo Lagoon MC #6

Lab Sample ID: 440-291331-6

Matrix: Solid

Date Collected: 11/10/21 09:05

Date Received: 11/10/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.10	0.018	mg/L			11/16/21 14:33	1
Nitrate as N	ND	H	0.10	0.024	mg/L			11/16/21 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	3500		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	360		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Total Nitrogen	360		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	8.66		0.01	0.01	%			11/23/21 14:22	1
Coarse Sand (0.5mm to 1mm)	6.55		0.01	0.01	%			11/23/21 14:22	1
Fine Sand (0.125 to 0.25mm)	24.77		0.01	0.01	%			11/23/21 14:22	1
Gravel (greater than 2 mm)	1.63		0.01	0.01	%			11/23/21 14:22	1
Medium Sand (0.25 to 0.5 mm)	34.68		0.01	0.01	%			11/23/21 14:22	1
Silt (0.00391 to 0.0625mm)	16.69		0.01	0.01	%			11/23/21 14:22	1
Total Silt and Clay (0 to 0.0626mm)	25.34		0.01	0.01	%			11/23/21 14:22	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 14:22	1
Very Fine Sand (0.0625 to 0.125 mm)	7.03		0.01	0.01	%			11/23/21 14:22	1

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Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Client Sample ID: San Elijo Lagoon TC #1

Lab Sample ID: 440-291331-7

Matrix: Solid

Date Collected: 11/10/21 07:55

Date Received: 11/10/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.10	0.018	mg/L			11/16/21 14:50	1
Nitrate as N	ND	H	0.10	0.024	mg/L			11/16/21 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	3700		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	680		200	110	mg/Kg	11/22/21 06:00		11/22/21 10:00	1
Total Nitrogen	680		10	5.5	mg/Kg			11/22/21 10:00	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	11.01		0.01	0.01	%			11/23/21 14:29	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/23/21 14:29	1
Fine Sand (0.125 to 0.25mm)	38.46		0.01	0.01	%			11/23/21 14:29	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/23/21 14:29	1
Medium Sand (0.25 to 0.5 mm)	0.50		0.01	0.01	%			11/23/21 14:29	1
Silt (0.00391 to 0.0625mm)	35.59		0.01	0.01	%			11/23/21 14:29	1
Total Silt and Clay (0 to 0.0626mm)	46.61		0.01	0.01	%			11/23/21 14:29	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 14:29	1
Very Fine Sand (0.0625 to 0.125 mm)	14.44		0.01	0.01	%			11/23/21 14:29	1

Client Sample ID: San Elijo Lagoon TC #2

Lab Sample ID: 440-291331-8

Matrix: Solid

Date Collected: 11/10/21 08:55

Date Received: 11/10/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		1.0	0.18	mg/L			11/18/21 15:31	10
Nitrate as N	ND		1.0	0.24	mg/L			11/18/21 15:31	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	1500		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	310		200	110	mg/Kg	11/22/21 06:00		11/22/21 10:00	1
Total Nitrogen	310		10	5.5	mg/Kg			11/22/21 10:00	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	4.29		0.01	0.01	%			11/23/21 14:38	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/23/21 14:38	1
Fine Sand (0.125 to 0.25mm)	59.18		0.01	0.01	%			11/23/21 14:38	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/23/21 14:38	1
Medium Sand (0.25 to 0.5 mm)	4.02		0.01	0.01	%			11/23/21 14:38	1
Silt (0.00391 to 0.0625mm)	16.04		0.01	0.01	%			11/23/21 14:38	1
Total Silt and Clay (0 to 0.0626mm)	20.32		0.01	0.01	%			11/23/21 14:38	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 14:38	1
Very Fine Sand (0.0625 to 0.125 mm)	16.48		0.01	0.01	%			11/23/21 14:38	1

Client Sample Results

Client: San Elijo Joint Powers Auth.

Job ID: 440-291331-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon TC #3

Lab Sample ID: 440-291331-9

Matrix: Solid

Date Collected: 11/10/21 10:30

Date Received: 11/10/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.20	0.036	mg/L			11/16/21 15:07	2
Nitrate as N	ND	H	0.20	0.048	mg/L			11/16/21 15:07	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	5200		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	600		200	110	mg/Kg	11/22/21 06:00	11/22/21 10:00		1
Total Nitrogen	600		10	5.5	mg/Kg			11/22/21 10:00	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	13.25		0.01	0.01	%			11/23/21 14:45	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/23/21 14:45	1
Fine Sand (0.125 to 0.25mm)	13.79		0.01	0.01	%			11/23/21 14:45	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/23/21 14:45	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/23/21 14:45	1
Silt (0.00391 to 0.0625mm)	52.66		0.01	0.01	%			11/23/21 14:45	1
Total Silt and Clay (0 to 0.0626mm)	65.90		0.01	0.01	%			11/23/21 14:45	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 14:45	1
Very Fine Sand (0.0625 to 0.125 mm)	20.31		0.01	0.01	%			11/23/21 14:45	1

Client Sample ID: San Elijo Lagoon TC #4

Lab Sample ID: 440-291331-10

Matrix: Solid

Date Collected: 11/10/21 10:06

Date Received: 11/10/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.20	0.036	mg/L			11/16/21 15:24	2
Nitrate as N	ND	H	0.20	0.048	mg/L			11/16/21 15:24	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	7400		500	150	mg/Kg			11/11/21 19:42	1
Total Kjeldahl Nitrogen	1200		200	110	mg/Kg	11/22/21 06:00	11/22/21 10:00		1
Total Nitrogen	1200		10	5.5	mg/Kg			11/22/21 10:00	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	17.44		0.01	0.01	%			11/23/21 14:53	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/23/21 14:53	1
Fine Sand (0.125 to 0.25mm)	4.57		0.01	0.01	%			11/23/21 14:53	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/23/21 14:53	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/23/21 14:53	1
Silt (0.00391 to 0.0625mm)	58.57		0.01	0.01	%			11/23/21 14:53	1
Total Silt and Clay (0 to 0.0626mm)	76.00		0.01	0.01	%			11/23/21 14:53	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 14:53	1
Very Fine Sand (0.0625 to 0.125 mm)	19.43		0.01	0.01	%			11/23/21 14:53	1

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Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Client Sample ID: San Elijo Lagoon TC #5

Lab Sample ID: 440-291331-11

Date Collected: 11/10/21 09:40

Matrix: Solid

Date Received: 11/10/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.20	0.036	mg/L			11/16/21 15:41	2
Nitrate as N	ND	H	0.20	0.048	mg/L			11/16/21 15:41	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	5700		500	150	mg/Kg			11/11/21 19:42	1
Total Kjeldahl Nitrogen	920		200	110	mg/Kg	11/22/21 06:00		11/22/21 10:00	1
Total Nitrogen	920		10	5.5	mg/Kg			11/22/21 10:00	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	14.23		0.01	0.01	%			11/23/21 14:59	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/23/21 14:59	1
Fine Sand (0.125 to 0.25mm)	5.50		0.01	0.01	%			11/23/21 14:59	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/23/21 14:59	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/23/21 14:59	1
Silt (0.00391 to 0.0625mm)	59.84		0.01	0.01	%			11/23/21 14:59	1
Total Silt and Clay (0 to 0.0626mm)	74.07		0.01	0.01	%			11/23/21 14:59	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 14:59	1
Very Fine Sand (0.0625 to 0.125 mm)	20.43		0.01	0.01	%			11/23/21 14:59	1

Client Sample ID: San Elijo Lagoon TC #6

Lab Sample ID: 440-291331-12

Date Collected: 11/10/21 09:17
Date Received: 11/10/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND	H	0.20	0.036	mg/L			11/16/21 15:57	2
Nitrate as N	ND	H	0.20	0.048	mg/L			11/16/21 15:57	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	5200		500	150	mg/Kg			11/11/21 19:42	1
Total Kjeldahl Nitrogen	820		200	110	mg/Kg	11/22/21 06:00		11/22/21 10:00	1
Total Nitrogen	820		10	5.5	mg/Kg			11/22/21 10:00	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	14.33		0.01	0.01	%			11/23/21 15:05	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			11/23/21 15:05	1
Fine Sand (0.125 to 0.25mm)	3.76		0.01	0.01	%			11/23/21 15:05	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			11/23/21 15:05	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			11/23/21 15:05	1
Silt (0.00391 to 0.0625mm)	64.23		0.01	0.01	%			11/23/21 15:05	1
Total Silt and Clay (0 to 0.0626mm)	78.57		0.01	0.01	%			11/23/21 15:05	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			11/23/21 15:05	1
Very Fine Sand (0.0625 to 0.125 mm)	17.68		0.01	0.01	%			11/23/21 15:05	1

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

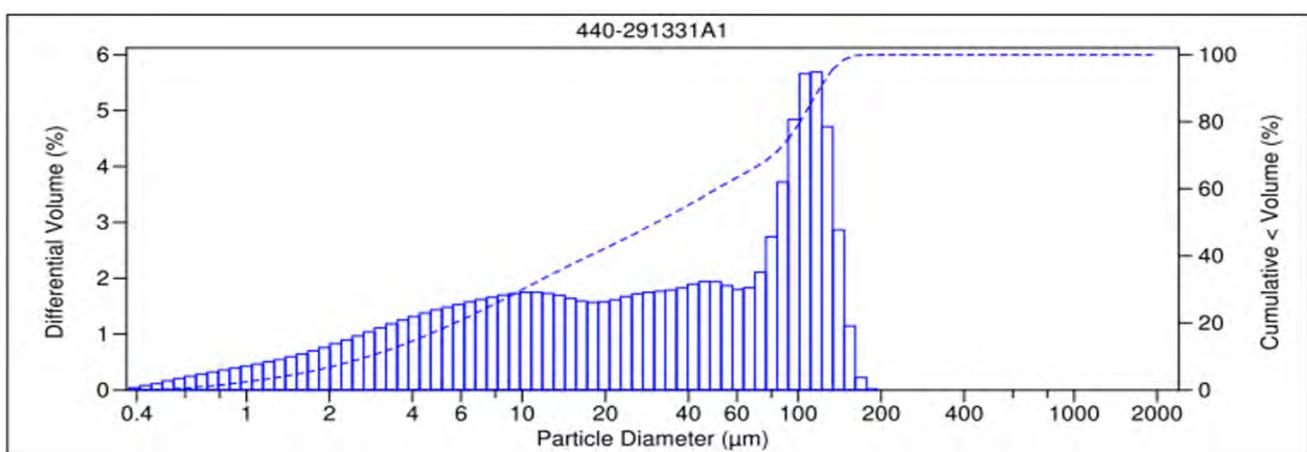
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
 Date Received: 11/10/21
 Work Order No: 440-291331
 Date Analyzed: 11/23/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #1		Silt	0.049

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	7.71	28.14	49.85	14.31	64.15



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

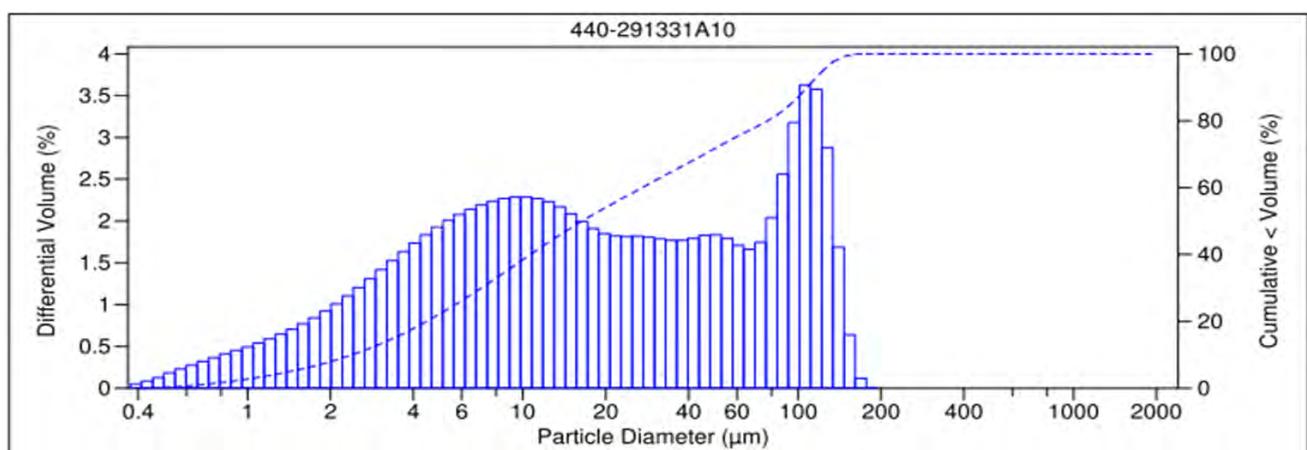
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
 Date Received: 11/10/21
 Work Order No: 440-291331
 Date Analyzed: 11/23/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #4		Silt	0.037

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	4.57	19.43	58.57	17.44	76.00



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

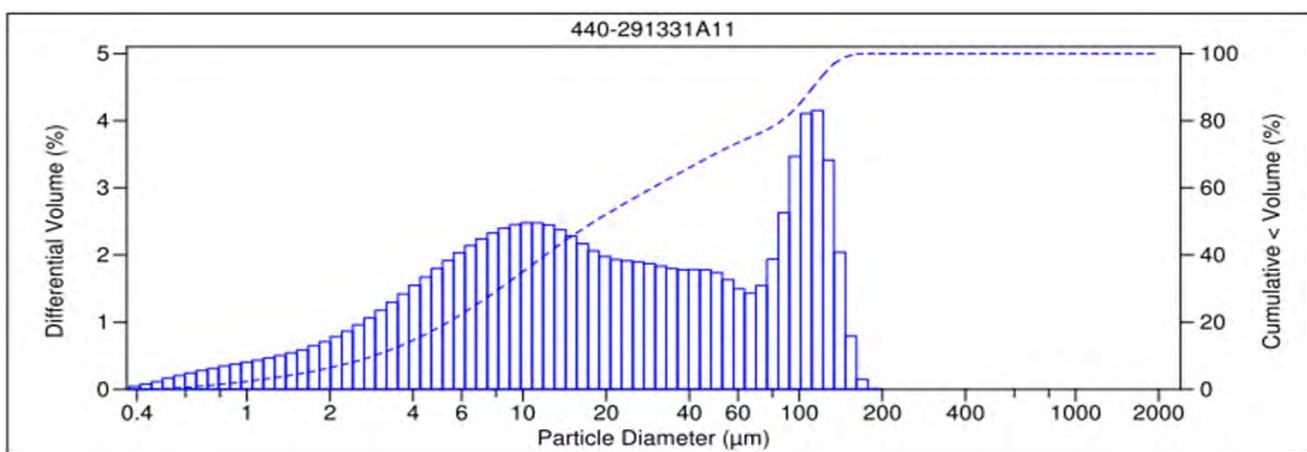
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
Date Received: 11/10/21
Work Order No: 440-291331
Date Analyzed: 11/23/21
Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #5		Silt	0.039

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	5.50	20.43	59.84	14.23	74.07



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

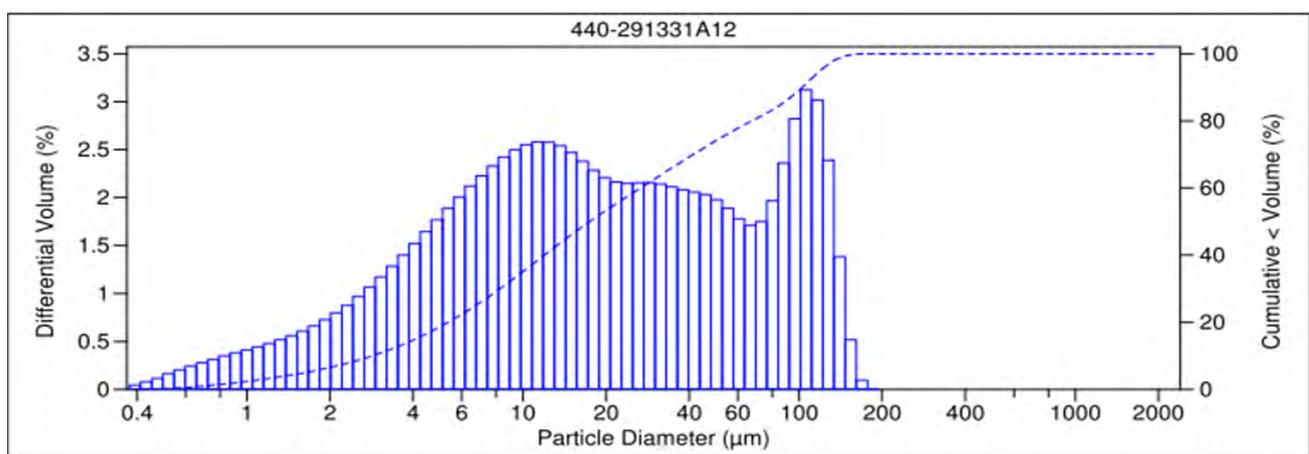
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
 Date Received: 11/10/21
 Work Order No: 440-291331
 Date Analyzed: 11/23/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #6		Silt	0.035

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	3.76	17.68	64.23	14.33	78.57



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

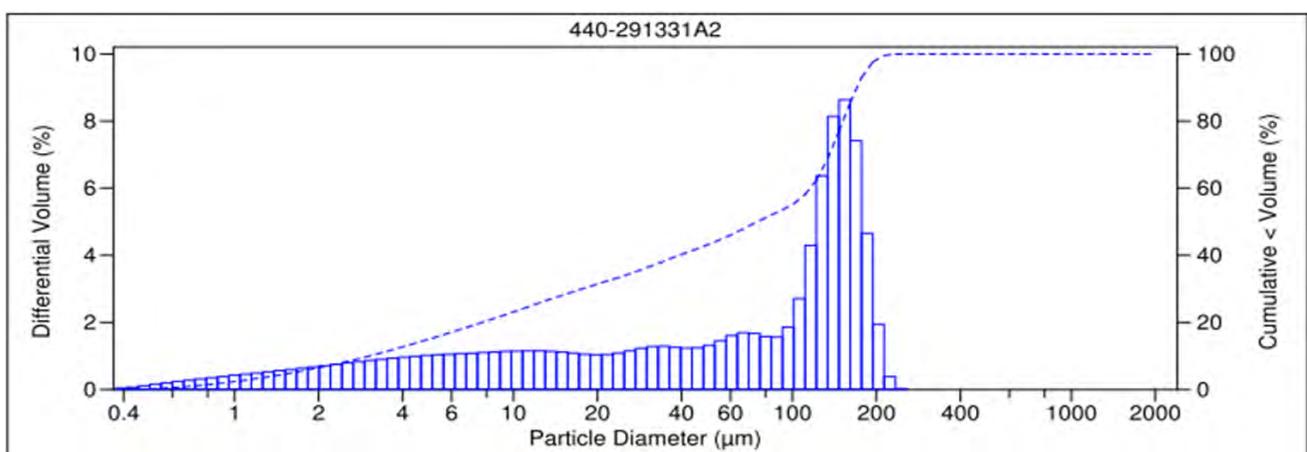
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
 Date Received: 11/10/21
 Work Order No: 440-291331
 Date Analyzed: 11/23/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #2		Very Fine Sand	0.082

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.01	35.88	17.33	34.30	12.47	46.78



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

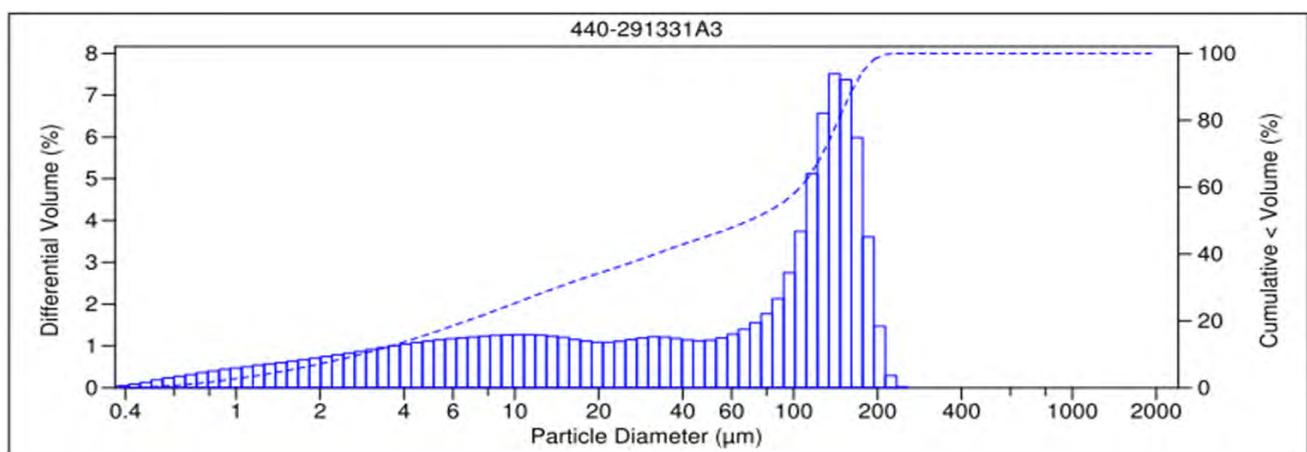
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
 Date Received: 11/10/21
 Work Order No: 440-291331
 Date Analyzed: 11/23/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #3		Very Fine Sand	0.076

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.01	31.07	20.43	35.04	13.44	48.49



V 3.0

PARTICLE SIZE SUMMARY (ASTM D422 / D4464M)

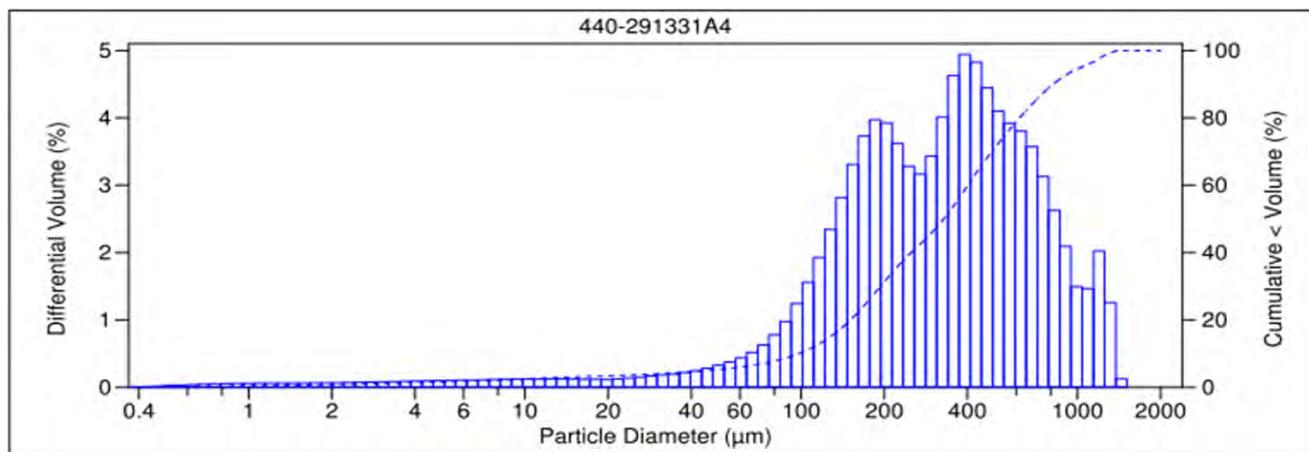
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
Date Received: 11/10/21
Work Order No: 440-291331
Date Analyzed: 11/23/21
Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #4		Coarse Sand	0.617

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
7.33	5.13	21.82	28.72	23.52	7.72	4.46	1.30	5.76



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

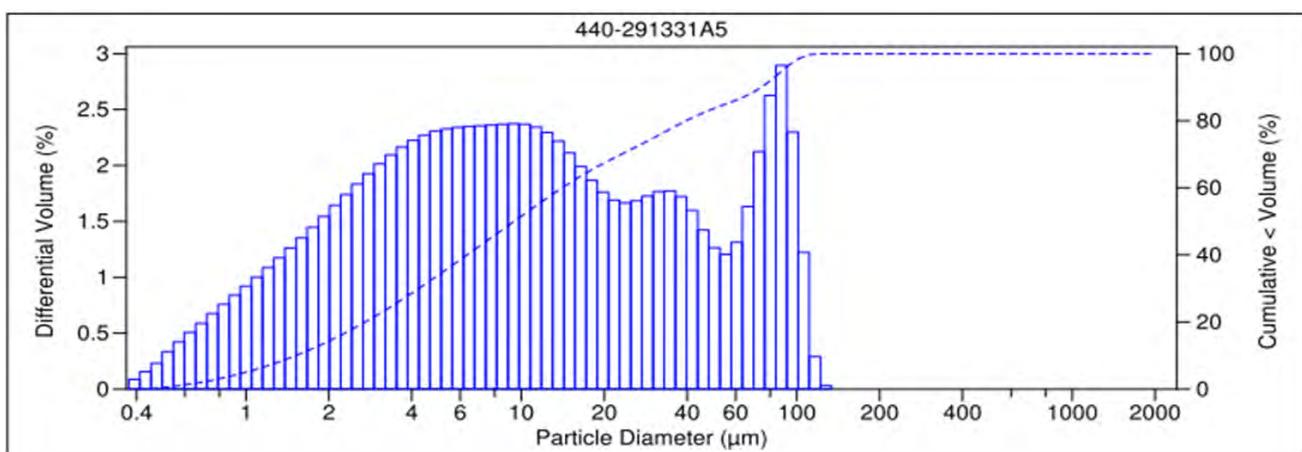
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
 Date Received: 11/10/21
 Work Order No: 440-291331
 Date Analyzed: 11/23/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #5		Silt	0.023

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	0.02	13.32	58.58	28.09	86.66



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

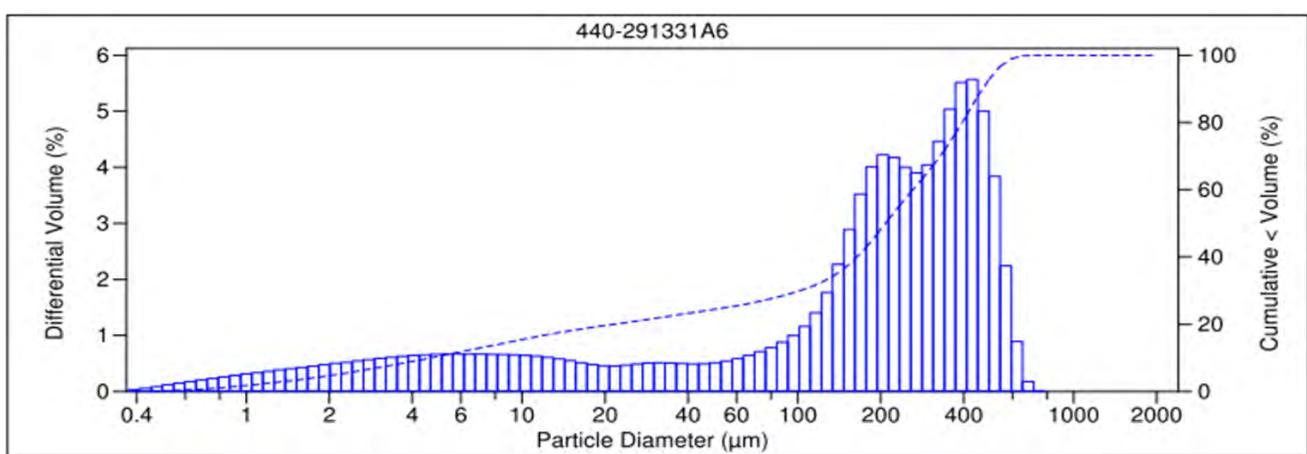
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
 Date Received: 11/10/21
 Work Order No: 440-291331
 Date Analyzed: 11/23/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #6		Medium Sand	0.273

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
1.63	0.00	6.55	34.68	24.77	7.03	16.69	8.66	25.34



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

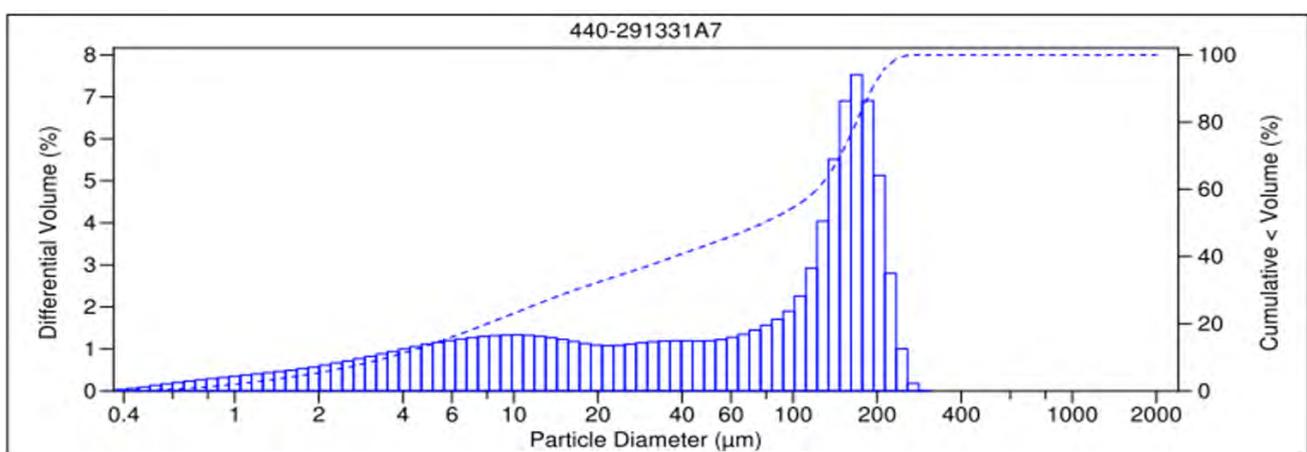
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
 Date Received: 11/10/21
 Work Order No: 440-291331
 Date Analyzed: 11/23/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #1		Very Fine Sand	0.089

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.50	38.46	14.44	35.59	11.01	46.61



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

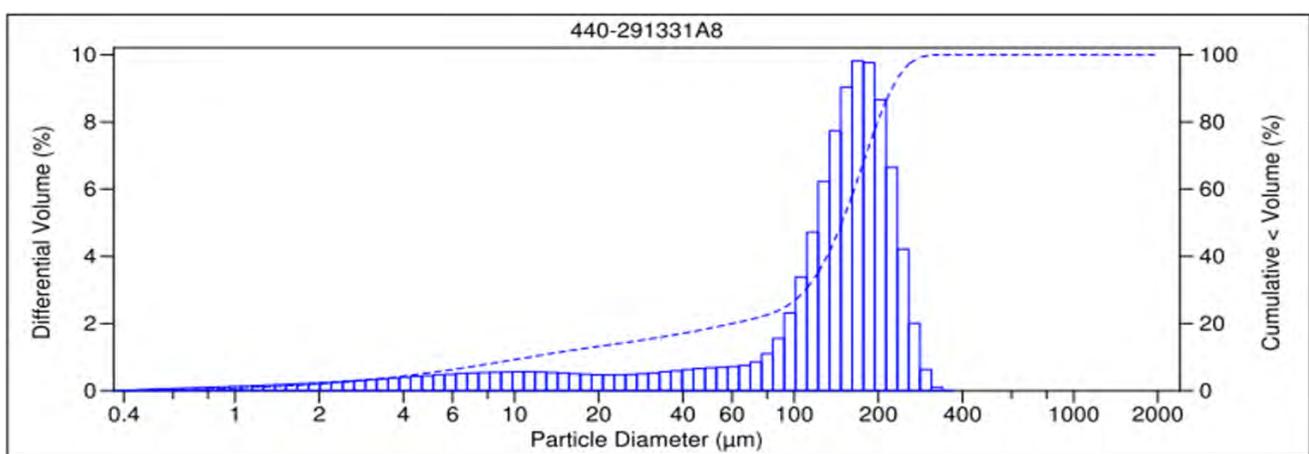
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
 Date Received: 11/10/21
 Work Order No: 440-291331
 Date Analyzed: 11/23/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #2		Fine Sand	0.136

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	4.02	59.18	16.48	16.04	4.29	20.32



V 3.0

PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

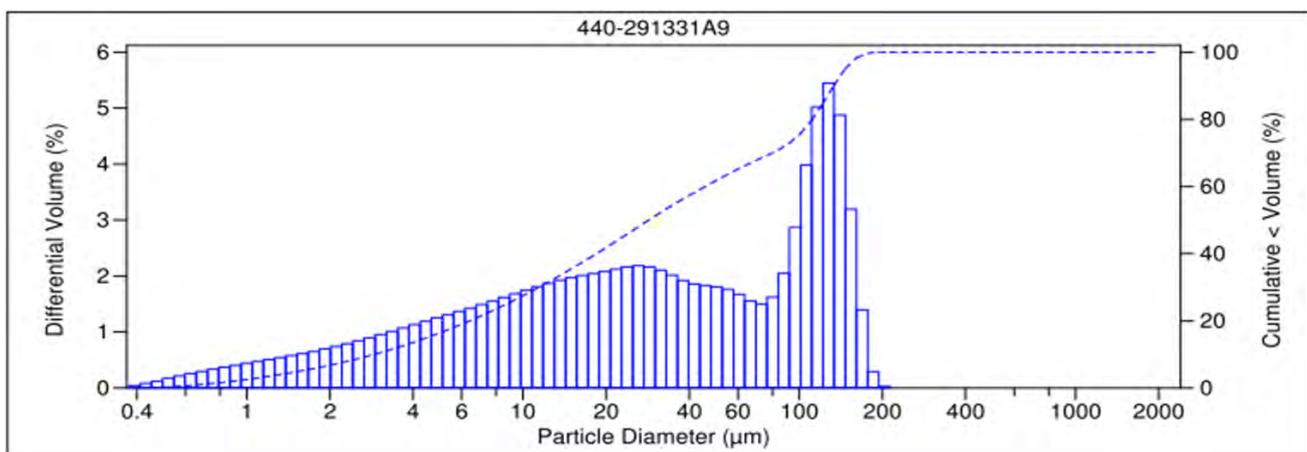
San Elijo Water Reclamation Facility

Date Sampled: 11/10/21
Date Received: 11/10/21
Work Order No: 440-291331
Date Analyzed: 11/23/21
Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #3		Silt	0.052

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	13.79	20.31	52.66	13.25	65.90



V 3.0

Method Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	ECL 1
9060A	Organic Carbon, Total (TOC)	SW846	ECL 1
SM 4500 Norg B	Nitrogen, Organic	SM	ECL 1
Total Nitrogen	Nitrogen, Total	EPA	ECL 1
D4464	Particle Size Distribution of Catalytic Material (Laser light scattering)	ASTM	ECL 1
351.2	Nitrogen, Total Kjeldahl	MCAWW	ECL 1
CA WET DI Leach	California - Waste Extraction Test with Deionized Water Leach	CA-WET	ECL 3

Protocol References:

ASTM = ASTM International

CA-WET = California Waste Extraction Test, from Title 22

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 3 = Eurofins Calscience LLC Knott, 11380 Knott Street, Garden Grove, CA 92841, TEL (714)895-5494

Lab Chronicle

Client: San Elijo Joint Powers Auth.

Job ID: 440-291331-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon MC 1

Date Collected: 11/10/21 10:46

Date Received: 11/10/21 19:00

Lab Sample ID: 440-291331-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.23 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		2			194464	11/16/21 12:35	URMH	ECL 1
Total/NA	Analysis	9060A		1	209.6 mg	209.6 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 13:39	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #2

Date Collected: 11/10/21 10:20

Date Received: 11/10/21 19:00

Lab Sample ID: 440-291331-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.48 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		1			194464	11/16/21 12:52	URMH	ECL 1
Total/NA	Analysis	9060A		1	200.6 mg	200.6 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 13:45	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #3

Date Collected: 11/10/21 10:13

Date Received: 11/10/21 19:00

Lab Sample ID: 440-291331-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.44 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		1			194464	11/16/21 13:09	URMH	ECL 1
Total/NA	Analysis	9060A		1	205.8 mg	205.8 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 13:50	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #4

Date Collected: 11/10/21 09:57

Date Received: 11/10/21 19:00

Lab Sample ID: 440-291331-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.45 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		1			194464	11/16/21 13:26	URMH	ECL 1
Total/NA	Analysis	9060A		1	202.6 mg	202.6 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1

Eurofins Calscience Irvine

Lab Chronicle

Client: San Elijo Joint Powers Auth.

Job ID: 440-291331-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon MC #4

Lab Sample ID: 440-291331-4

Matrix: Solid

Date Collected: 11/10/21 09:57

Date Received: 11/10/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 14:09	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #5

Lab Sample ID: 440-291331-5

Matrix: Solid

Date Collected: 11/10/21 09:26

Date Received: 11/10/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.36 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		1			194464	11/16/21 13:42	URMH	ECL 1
Total/NA	Analysis	9060A		1	207.3 mg	207.3 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 14:16	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #6

Lab Sample ID: 440-291331-6

Matrix: Solid

Date Collected: 11/10/21 09:05

Date Received: 11/10/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.21 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		1			194464	11/16/21 14:33	URMH	ECL 1
Total/NA	Analysis	9060A		1	200.3 mg	200.3 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 14:22	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #1

Lab Sample ID: 440-291331-7

Matrix: Solid

Date Collected: 11/10/21 07:55

Date Received: 11/10/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.36 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		1			194464	11/16/21 14:50	URMH	ECL 1
Total/NA	Analysis	9060A		1	203.1 mg	203.1 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	195906	11/22/21 06:00		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	195910	11/22/21 10:00	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197575	11/22/21 10:00	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 14:29	C4LT	ECL 1

Lab Chronicle

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Client Sample ID: San Elijo Lagoon TC #2

Date Collected: 11/10/21 08:55

Date Received: 11/10/21 19:00

Lab Sample ID: 440-291331-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.10 g	500 mL	195574	11/16/21 09:00	WL8G	ECL 3
STLC DI	Analysis	300.0		10			195117	11/18/21 15:31	URMH	ECL 1
Total/NA	Analysis	9060A		1	204.5 mg	204.5 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	195906	11/22/21 06:00		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	195910	11/22/21 10:00	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197575	11/22/21 10:00	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 14:38	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #3

Date Collected: 11/10/21 10:30

Date Received: 11/10/21 19:00

Lab Sample ID: 440-291331-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.05 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		2			194464	11/16/21 15:07	URMH	ECL 1
Total/NA	Analysis	9060A		1	205.8 mg	205.8 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	195906	11/22/21 06:00		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	195910	11/22/21 10:00	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197575	11/22/21 10:00	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 14:45	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #4

Date Collected: 11/10/21 10:06

Date Received: 11/10/21 19:00

Lab Sample ID: 440-291331-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.21 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		2			194464	11/16/21 15:24	URMH	ECL 1
Total/NA	Analysis	9060A		1	201.4 mg	201.4 mg	194675	11/11/21 19:42	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	195906	11/22/21 06:00		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	195910	11/22/21 10:00	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197575	11/22/21 10:00	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 14:53	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #5

Date Collected: 11/10/21 09:40

Date Received: 11/10/21 19:00

Lab Sample ID: 440-291331-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.02 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		2			194464	11/16/21 15:41	URMH	ECL 1
Total/NA	Analysis	9060A		1	200.7 mg	200.7 mg	194675	11/11/21 19:42	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	195906	11/22/21 06:00		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	195910	11/22/21 10:00	UIP1	ECL 1

Eurofins Calscience Irvine

Lab Chronicle

Client: San Elijo Joint Powers Auth.

Job ID: 440-291331-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon TC #5

Lab Sample ID: 440-291331-11

Matrix: Solid

Date Collected: 11/10/21 09:40

Date Received: 11/10/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total Nitrogen		1			197575	11/22/21 10:00	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 14:59	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #6

Lab Sample ID: 440-291331-12

Matrix: Solid

Date Collected: 11/10/21 09:17

Date Received: 11/10/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.16 g	500 mL	193939	11/12/21 16:04	SR3N	ECL 3
STLC DI	Analysis	300.0		2			194464	11/16/21 15:57	URMH	ECL 1
Total/NA	Analysis	9060A		1	201.5 mg	201.5 mg	194675	11/11/21 19:42	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	195906	11/22/21 06:00		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	195910	11/22/21 10:00	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197575	11/22/21 10:00	UAPD	ECL 1
Total/NA	Analysis	D4464		1			196449	11/23/21 15:05	C4LT	ECL 1

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 3 = Eurofins Calscience LLC Knott, 11380 Knott Street, Garden Grove, CA 92841, TEL (714)895-5494

QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 570-194464/5

Matrix: Solid

Analysis Batch: 194464

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.018	mg/L			11/16/21 09:45	1
Nitrate as N	ND		0.10	0.024	mg/L			11/16/21 09:45	1

Lab Sample ID: LCS 570-194464/6

Matrix: Solid

Analysis Batch: 194464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Nitrite as N	2.50	2.53		mg/L		101	90 - 110
Nitrate as N	5.00	4.94		mg/L		99	90 - 110
						Limits	

Lab Sample ID: LCSD 570-194464/7

Matrix: Solid

Analysis Batch: 194464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD
Nitrite as N	2.50	2.54		mg/L		101	90 - 110	0	15
Nitrate as N	5.00	4.94		mg/L		99	90 - 110	0	15
						Limits		Limit	

Lab Sample ID: 570-75927-G-2 MS

Matrix: Solid

Analysis Batch: 194464

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.
Nitrite as N	ND		2.50	2.68		mg/L		107	80 - 120
Nitrate as N	ND		5.00	4.96		mg/L		99	80 - 120
								Limits	

Lab Sample ID: 570-75927-G-2 MSD

Matrix: Solid

Analysis Batch: 194464

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.
Nitrite as N	ND		2.50	2.66		mg/L		106	80 - 120
Nitrate as N	ND		5.00	5.02		mg/L		100	80 - 120
								Limits	

Lab Sample ID: MB 570-195117/5

Matrix: Solid

Analysis Batch: 195117

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.018	mg/L			11/18/21 10:22	1
Nitrate as N	ND		0.10	0.024	mg/L			11/18/21 10:22	1

Lab Sample ID: LCS 570-195117/6

Matrix: Solid

Analysis Batch: 195117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Nitrite as N	2.50	2.55		mg/L		102	90 - 110
Nitrate as N	5.00	4.94		mg/L		99	90 - 110
						Limits	

Eurofins Calscience Irvine

QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 570-195117/7

Matrix: Solid

Analysis Batch: 195117

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as N	2.50	2.56		mg/L		103	90 - 110	0	15
Nitrate as N	5.00	4.95		mg/L		99	90 - 110	0	15

Lab Sample ID: 570-76200-D-1 MS

Matrix: Solid

Analysis Batch: 195117

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	ND		2.50	2.62		mg/L		105	80 - 120
Nitrate as N	ND		5.00	4.95		mg/L		99	80 - 120

Lab Sample ID: 570-76200-D-1 MSD

Matrix: Solid

Analysis Batch: 195117

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as N	ND		2.50	2.44		mg/L		97	80 - 120	7	20
Nitrate as N	ND		5.00	5.05		mg/L		101	80 - 120	2	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 570-194675/4

Matrix: Solid

Analysis Batch: 194675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		500	150	mg/Kg			11/11/21 19:42	1

Lab Sample ID: LCS 570-194675/5

Matrix: Solid

Analysis Batch: 194675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon, Total Organic	29900	25200		mg/Kg		84	78 - 110

Lab Sample ID: LCSD 570-194675/6

Matrix: Solid

Analysis Batch: 194675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon, Total Organic	30000	25000		mg/Kg		83	78 - 110	1	16

Lab Sample ID: 570-75141-A-1 MS

Matrix: Solid

Analysis Batch: 194675

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon, Total Organic	400	J	29200	24900		mg/Kg		84	75 - 125

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QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 570-75141-A-1 MSD Matrix: Solid Analysis Batch: 194675				Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	Limits	RPD	RPD Limit
Carbon, Total Organic	400	J	29500	24900		mg/Kg		83	75 - 125	0	25
Lab Sample ID: MB 570-195667/3 Matrix: Solid Analysis Batch: 195667				Client Sample ID: Method Blank Prep Type: Total/NA							
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared		Analyzed	Dil Fac	
Carbon, Total Organic	ND		500	150	mg/Kg				11/19/21 19:04		1
Lab Sample ID: LCS 570-195667/4 Matrix: Solid Analysis Batch: 195667				Client Sample ID: Lab Control Sample Prep Type: Total/NA							
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits				
Carbon, Total Organic	30000	28900		mg/Kg		96	78 - 110				
Lab Sample ID: LCSD 570-195667/5 Matrix: Solid Analysis Batch: 195667				Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA							
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	Limits	RPD	RPD Limit		
Carbon, Total Organic	30000	28500		mg/Kg		95	78 - 110	1	1	16	
Lab Sample ID: 440-291331-1 MS Matrix: Solid Analysis Batch: 195667				Client Sample ID: San Elijo Lagoon MC 1 Prep Type: Total/NA							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	Limits		
Carbon, Total Organic	5600		29400	35100		mg/Kg		100	75 - 125		
Lab Sample ID: 440-291331-1 MSD Matrix: Solid Analysis Batch: 195667				Client Sample ID: San Elijo Lagoon MC 1 Prep Type: Total/NA							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	Limits	RPD	RPD Limit
Carbon, Total Organic	5600		29400	33000		mg/Kg		93	75 - 125	6	25

Method: SM 4500 Norg B - Nitrogen, Organic

Lab Sample ID: MB 570-194510/1-A Matrix: Solid Analysis Batch: 194518				Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 194510							
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Total Kjeldahl Nitrogen	ND		200	110	mg/Kg		11/16/21 05:30	11/16/21 09:30		1	

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QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Method: SM 4500 Norg B - Nitrogen, Organic (Continued)

Lab Sample ID: LCS 570-194510/2-A

Matrix: Solid

Analysis Batch: 194518

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 194510

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	RPD	Limit
Total Kjeldahl Nitrogen	5000	4850		mg/Kg	97	80 - 120		

Lab Sample ID: LCSD 570-194510/3-A

Matrix: Solid

Analysis Batch: 194518

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 194510

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	RPD	Limit
Total Kjeldahl Nitrogen	5000	4930		mg/Kg	99	80 - 120	2	20

Lab Sample ID: 570-75598-A-1-O DU

Matrix: Solid

Analysis Batch: 194518

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 194510

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Kjeldahl Nitrogen	9300		9230		mg/Kg		1	25

Lab Sample ID: MB 570-195906/1-A

Matrix: Solid

Analysis Batch: 195910

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 195906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		200	110	mg/Kg		11/22/21 06:00	11/22/21 10:00	1

Lab Sample ID: LCS 570-195906/2-A

Matrix: Solid

Analysis Batch: 195910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	RPD	Limit
Total Kjeldahl Nitrogen	5000	4830		mg/Kg	97	80 - 120		

Lab Sample ID: LCSD 570-195906/3-A

Matrix: Solid

Analysis Batch: 195910

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 195906

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	RPD	Limit
Total Kjeldahl Nitrogen	5000	4700		mg/Kg	94	80 - 120	3	20

Lab Sample ID: 570-76282-A-1-G DU

Matrix: Solid

Analysis Batch: 195910

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 195906

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Kjeldahl Nitrogen	12000		12000		mg/Kg		0.6	25

QC Association Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

HPLC/IC

Leach Batch: 193939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-1	San Elijo Lagoon MC 1	STLC DI	Solid	CA WET DI Leach	5
440-291331-2	San Elijo Lagoon MC #2	STLC DI	Solid	CA WET DI Leach	6
440-291331-3	San Elijo Lagoon MC #3	STLC DI	Solid	CA WET DI Leach	7
440-291331-4	San Elijo Lagoon MC #4	STLC DI	Solid	CA WET DI Leach	8
440-291331-5	San Elijo Lagoon MC #5	STLC DI	Solid	CA WET DI Leach	9
440-291331-6	San Elijo Lagoon MC #6	STLC DI	Solid	CA WET DI Leach	10
440-291331-7	San Elijo Lagoon TC #1	STLC DI	Solid	CA WET DI Leach	11
440-291331-9	San Elijo Lagoon TC #3	STLC DI	Solid	CA WET DI Leach	12
440-291331-10	San Elijo Lagoon TC #4	STLC DI	Solid	CA WET DI Leach	13
440-291331-11	San Elijo Lagoon TC #5	STLC DI	Solid	CA WET DI Leach	14
440-291331-12	San Elijo Lagoon TC #6	STLC DI	Solid	CA WET DI Leach	

Analysis Batch: 194464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-1	San Elijo Lagoon MC 1	STLC DI	Solid	300.0	193939
440-291331-2	San Elijo Lagoon MC #2	STLC DI	Solid	300.0	193939
440-291331-3	San Elijo Lagoon MC #3	STLC DI	Solid	300.0	193939
440-291331-4	San Elijo Lagoon MC #4	STLC DI	Solid	300.0	193939
440-291331-5	San Elijo Lagoon MC #5	STLC DI	Solid	300.0	193939
440-291331-6	San Elijo Lagoon MC #6	STLC DI	Solid	300.0	193939
440-291331-7	San Elijo Lagoon TC #1	STLC DI	Solid	300.0	193939
440-291331-9	San Elijo Lagoon TC #3	STLC DI	Solid	300.0	193939
440-291331-10	San Elijo Lagoon TC #4	STLC DI	Solid	300.0	193939
440-291331-11	San Elijo Lagoon TC #5	STLC DI	Solid	300.0	193939
440-291331-12	San Elijo Lagoon TC #6	STLC DI	Solid	300.0	193939
MB 570-194464/5	Method Blank	Total/NA	Solid	300.0	
LCS 570-194464/6	Lab Control Sample	Total/NA	Solid	300.0	
LCSD 570-194464/7	Lab Control Sample Dup	Total/NA	Solid	300.0	
570-75927-G-2 MS	Matrix Spike	Total/NA	Solid	300.0	
570-75927-G-2 MSD	Matrix Spike Duplicate	Total/NA	Solid	300.0	

Analysis Batch: 195574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-8	San Elijo Lagoon TC #2	STLC DI	Solid	300.0	195574
MB 570-195574/5	Method Blank	Total/NA	Solid	300.0	
LCS 570-195574/6	Lab Control Sample	Total/NA	Solid	300.0	
LCSD 570-195574/7	Lab Control Sample Dup	Total/NA	Solid	300.0	
570-76200-D-1 MS	Matrix Spike	Total/NA	Solid	300.0	
570-76200-D-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	300.0	

QC Association Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

HPLC/IC

Leach Batch: 195574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-8	San Elijo Lagoon TC #2	STLC DI	Solid	CA WET DI Leach	

General Chemistry

Prep Batch: 194510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-1	San Elijo Lagoon MC 1	Total/NA	Solid	351.2	
440-291331-2	San Elijo Lagoon MC #2	Total/NA	Solid	351.2	
440-291331-3	San Elijo Lagoon MC #3	Total/NA	Solid	351.2	
440-291331-4	San Elijo Lagoon MC #4	Total/NA	Solid	351.2	
440-291331-5	San Elijo Lagoon MC #5	Total/NA	Solid	351.2	
440-291331-6	San Elijo Lagoon MC #6	Total/NA	Solid	351.2	
MB 570-194510/1-A	Method Blank	Total/NA	Solid	351.2	
LCS 570-194510/2-A	Lab Control Sample	Total/NA	Solid	351.2	
LCSD 570-194510/3-A	Lab Control Sample Dup	Total/NA	Solid	351.2	
570-75598-A-1-O DU	Duplicate	Total/NA	Solid	351.2	

Analysis Batch: 194518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-1	San Elijo Lagoon MC 1	Total/NA	Solid	SM 4500 Norg B	194510
440-291331-2	San Elijo Lagoon MC #2	Total/NA	Solid	SM 4500 Norg B	194510
440-291331-3	San Elijo Lagoon MC #3	Total/NA	Solid	SM 4500 Norg B	194510
440-291331-4	San Elijo Lagoon MC #4	Total/NA	Solid	SM 4500 Norg B	194510
440-291331-5	San Elijo Lagoon MC #5	Total/NA	Solid	SM 4500 Norg B	194510
440-291331-6	San Elijo Lagoon MC #6	Total/NA	Solid	SM 4500 Norg B	194510
MB 570-194510/1-A	Method Blank	Total/NA	Solid	SM 4500 Norg B	194510
LCS 570-194510/2-A	Lab Control Sample	Total/NA	Solid	SM 4500 Norg B	194510
LCSD 570-194510/3-A	Lab Control Sample Dup	Total/NA	Solid	SM 4500 Norg B	194510
570-75598-A-1-O DU	Duplicate	Total/NA	Solid	SM 4500 Norg B	194510

Analysis Batch: 194675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-10	San Elijo Lagoon TC #4	Total/NA	Solid	9060A	
440-291331-11	San Elijo Lagoon TC #5	Total/NA	Solid	9060A	
440-291331-12	San Elijo Lagoon TC #6	Total/NA	Solid	9060A	
MB 570-194675/4	Method Blank	Total/NA	Solid	9060A	
LCS 570-194675/5	Lab Control Sample	Total/NA	Solid	9060A	
LCSD 570-194675/6	Lab Control Sample Dup	Total/NA	Solid	9060A	
570-75141-A-1 MS	Matrix Spike	Total/NA	Solid	9060A	
570-75141-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	9060A	

Analysis Batch: 195667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-1	San Elijo Lagoon MC 1	Total/NA	Solid	9060A	
440-291331-2	San Elijo Lagoon MC #2	Total/NA	Solid	9060A	
440-291331-3	San Elijo Lagoon MC #3	Total/NA	Solid	9060A	
440-291331-4	San Elijo Lagoon MC #4	Total/NA	Solid	9060A	
440-291331-5	San Elijo Lagoon MC #5	Total/NA	Solid	9060A	
440-291331-6	San Elijo Lagoon MC #6	Total/NA	Solid	9060A	
440-291331-7	San Elijo Lagoon TC #1	Total/NA	Solid	9060A	
440-291331-8	San Elijo Lagoon TC #2	Total/NA	Solid	9060A	

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QC Association Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

General Chemistry (Continued)

Analysis Batch: 195667 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-9	San Elijo Lagoon TC #3	Total/NA	Solid	9060A	
MB 570-195667/3	Method Blank	Total/NA	Solid	9060A	
LCS 570-195667/4	Lab Control Sample	Total/NA	Solid	9060A	
LCSD 570-195667/5	Lab Control Sample Dup	Total/NA	Solid	9060A	
440-291331-1 MS	San Elijo Lagoon MC 1	Total/NA	Solid	9060A	
440-291331-1 MSD	San Elijo Lagoon MC 1	Total/NA	Solid	9060A	

Prep Batch: 195906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-7	San Elijo Lagoon TC #1	Total/NA	Solid	351.2	
440-291331-8	San Elijo Lagoon TC #2	Total/NA	Solid	351.2	
440-291331-9	San Elijo Lagoon TC #3	Total/NA	Solid	351.2	
440-291331-10	San Elijo Lagoon TC #4	Total/NA	Solid	351.2	
440-291331-11	San Elijo Lagoon TC #5	Total/NA	Solid	351.2	
440-291331-12	San Elijo Lagoon TC #6	Total/NA	Solid	351.2	
MB 570-195906/1-A	Method Blank	Total/NA	Solid	351.2	
LCS 570-195906/2-A	Lab Control Sample	Total/NA	Solid	351.2	
LCSD 570-195906/3-A	Lab Control Sample Dup	Total/NA	Solid	351.2	
570-76282-A-1-G DU	Duplicate	Total/NA	Solid	351.2	

Analysis Batch: 195910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-7	San Elijo Lagoon TC #1	Total/NA	Solid	SM 4500 Norg B	195906
440-291331-8	San Elijo Lagoon TC #2	Total/NA	Solid	SM 4500 Norg B	195906
440-291331-9	San Elijo Lagoon TC #3	Total/NA	Solid	SM 4500 Norg B	195906
440-291331-10	San Elijo Lagoon TC #4	Total/NA	Solid	SM 4500 Norg B	195906
440-291331-11	San Elijo Lagoon TC #5	Total/NA	Solid	SM 4500 Norg B	195906
440-291331-12	San Elijo Lagoon TC #6	Total/NA	Solid	SM 4500 Norg B	195906
MB 570-195906/1-A	Method Blank	Total/NA	Solid	SM 4500 Norg B	195906
LCS 570-195906/2-A	Lab Control Sample	Total/NA	Solid	SM 4500 Norg B	195906
LCSD 570-195906/3-A	Lab Control Sample Dup	Total/NA	Solid	SM 4500 Norg B	195906
570-76282-A-1-G DU	Duplicate	Total/NA	Solid	SM 4500 Norg B	195906

Analysis Batch: 197574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-1	San Elijo Lagoon MC 1	Total/NA	Solid	Total Nitrogen	
440-291331-2	San Elijo Lagoon MC #2	Total/NA	Solid	Total Nitrogen	
440-291331-3	San Elijo Lagoon MC #3	Total/NA	Solid	Total Nitrogen	
440-291331-4	San Elijo Lagoon MC #4	Total/NA	Solid	Total Nitrogen	
440-291331-5	San Elijo Lagoon MC #5	Total/NA	Solid	Total Nitrogen	
440-291331-6	San Elijo Lagoon MC #6	Total/NA	Solid	Total Nitrogen	

Analysis Batch: 197575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-7	San Elijo Lagoon TC #1	Total/NA	Solid	Total Nitrogen	
440-291331-8	San Elijo Lagoon TC #2	Total/NA	Solid	Total Nitrogen	
440-291331-9	San Elijo Lagoon TC #3	Total/NA	Solid	Total Nitrogen	
440-291331-10	San Elijo Lagoon TC #4	Total/NA	Solid	Total Nitrogen	
440-291331-11	San Elijo Lagoon TC #5	Total/NA	Solid	Total Nitrogen	
440-291331-12	San Elijo Lagoon TC #6	Total/NA	Solid	Total Nitrogen	

QC Association Summary

Client: San Elijo Joint Powers Auth.

Job ID: 440-291331-1

Project/Site: San Elijo

Geotechnical

Analysis Batch: 196449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291331-1	San Elijo Lagoon MC 1	Total/NA	Solid	D4464	1
440-291331-2	San Elijo Lagoon MC #2	Total/NA	Solid	D4464	2
440-291331-3	San Elijo Lagoon MC #3	Total/NA	Solid	D4464	3
440-291331-4	San Elijo Lagoon MC #4	Total/NA	Solid	D4464	4
440-291331-5	San Elijo Lagoon MC #5	Total/NA	Solid	D4464	5
440-291331-6	San Elijo Lagoon MC #6	Total/NA	Solid	D4464	6
440-291331-7	San Elijo Lagoon TC #1	Total/NA	Solid	D4464	7
440-291331-8	San Elijo Lagoon TC #2	Total/NA	Solid	D4464	8
440-291331-9	San Elijo Lagoon TC #3	Total/NA	Solid	D4464	9
440-291331-10	San Elijo Lagoon TC #4	Total/NA	Solid	D4464	10
440-291331-11	San Elijo Lagoon TC #5	Total/NA	Solid	D4464	11
440-291331-12	San Elijo Lagoon TC #6	Total/NA	Solid	D4464	12

Definitions/Glossary

Client: San Elijo Joint Powers Auth.

Job ID: 440-291331-1

Project/Site: San Elijo

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291331-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-22
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-22
Guam	State	21-003R	06-22-22
Nevada	State	CA00111	07-31-22
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-12-22

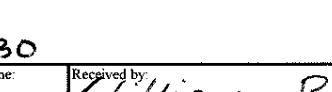
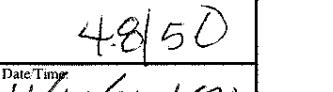
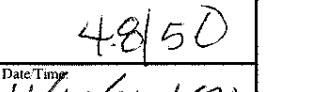


Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
Tel: (949) 261-1024

440-291331 Chain of Custody

Chain of Custody Record

FestAmerica Laboratories, Inc.

Client Contact		Project Manager: Danielle Roberts		Site Contact:		Date: 11/10/2021		COC No: ____ of ____ COCs						
San Elijo Water Reclamation Facility		Tel/Fax: 760-753-6203 ex 39		Lab Contact:		Carrier:								
2695 Manchester Ave. Cardiff, CA 92007		Analysis Turnaround Time		TAT if different from below <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 5 days <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day										
760-753-6203 ext 39														
760-753-5935														
Project Name:														
Site:														
P.O.#: 2016-012C														
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Grain Size	TOC	Organic Nitrogen	Total Nitrogen	Nitrogen, TKN	Sample Specific Notes:	
San Elijo Lagoon MC #1		11/10/2021	10:46	Grab	Soil	1	X	X	X	X	X			
San Elijo Lagoon MC #2		11/10/2021	10:20	Grab	"	1	X	X	X	X	X			
San Elijo Lagoon MC #3		11/10/2021	10:13	Grab	"	1	X	X	X	X	X			
San Elijo Lagoon MC #4		11/10/2021	09:57	Grab	"	1	X	X	X	X	X			
San Elijo Lagoon MC #5		11/10/2021	09:26	Grab	"	1	X	X	X	X	X			
San Elijo Lagoon MC #6		11/10/2021	09:05	Grab	"	1	X	X	X	X	X			
San Elijo Lagoon TC #1		11/10/2021	07:55	Grab	"	1	X	X	X	X	X			
San Elijo Lagoon TC #2		11/10/2021	08:55	Grab	"	1	X	X	X	X	X			
San Elijo Lagoon TC #3		11/10/2021	10:30	Grab	"	1	X	X	X	X	X			
San Elijo Lagoon TC #4		11/10/2021	10:06	Grab	"	1	X	X	X	X	X			
San Elijo Lagoon TC #5		11/10/2021	09:40	Grab	"	1	X	X	X	X	X			
San Elijo Lagoon TC #6		11/10/2021	09:17	Grab	"	1	X	X	X	X	X			
Preservation Used: 1= Ice; 2= HCl; 3= H ₂ SO ₄ ; 4=HNO ₃ ; 5=NaOH; 6= Other														
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Special Instructions/QC Requirements & Comments: PLEASE RUN SAME ANALYSIS AND METHODS THAT WERE USED FOR LAST REPORT Laboratory Job ID: 440-273975-1, released 11/24/2020														
		Company: SAN ELIJU JPA		Date/Time: 11/10/21				Received by: William Rivera		Company: EC- ITRV		Date/Time: 11/10/21 1620		
		Company: EC- ITRV 11/10/21 1900		Date/Time: 11/10/21 1900				Received by: 		Company: EC- ITRV		Date/Time: 11/10/21 1900		
Relinquished by:		Company:		Date/Time:				Received by: 		Company: EC- ITRV		Date/Time: 11/10/21 1900		

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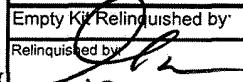
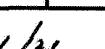
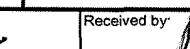
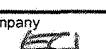
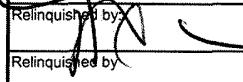
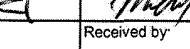
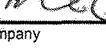
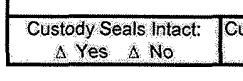
12/1/2021

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s)	COC No:									
Client Contact: Shipping/Receiving	Phone:	Roberts, Danielle C	Danielle Roberts@Eurofinset.com	State of Origin California	440-175338 1									
Company: Eurofins Calscience LLC	Accreditations Required (See note): State Program - California			Page	Page 1 of 2									
Address: 7440 Lincoln Way,	Due Date Requested: 11/30/2021	Analysis Requested			Job #: 440-291331-1									
City: Garden Grove	TAT Requested (days):				Preservation Codes:									
State, Zip: CA, 92841					A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)									
Phone: 714-895-5494(Tel) 714-894-7501(Fax)	PO #:				Other:									
Email:	WO #:													
Project Name San Elijo	Project #: 44013530													
Site: San Elijo - Water Reclamation Facility	SSOW#:													
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=Air)	Field/Filler/Prep Sample (Yes or No)	Perform MSDS (Yes or No)	Nitrogen Total/Total Nitrogen	SMS500_NH3_B3512_Prep Total Kjeldahl Nitrogen	D4464/Full Analyte List	300_ORGFMSICA_WET_DINitrate and Nitrite as N	9060_A DW/ Total Organic Carbon	Total Number of containers	Special Instructions/Note:
San Elijo Lagoon MC 1 (440-291331-1)	11/10/21	10.46 Pacific		Solid		X	X	X	X				1	
San Elijo Lagoon MC #2 (440-291331-2)	11/10/21	10:20 Pacific		Solid		X	X	X	X				1	
San Elijo Lagoon MC #3 (440-291331-3)	11/10/21	10 13 Pacific		Solid		X	X	X	X				1	
San Elijo Lagoon MC #4 (440-291331-4)	11/10/21	09:57 Pacific		Solid		X	X	X	X				1	
San Elijo Lagoon MC #5 (440-291331-5)	11/10/21	09.26 Pacific		Solid		X	X	X	X				1	
San Elijo Lagoon MC #6 (440-291331-6)	11/10/21	09:05 Pacific		Solid		X	X	X	X				1	
San Elijo Lagoon TC #1 (440-291331-7)	11/10/21	07.55 Pacific		Solid		X	X	X	X				1	
San Elijo Lagoon TC #2 (440-291331-8)	11/10/21	08.55 Pacific		Solid		X	X	X	X				1	
San Elijo Lagoon TC #3 (440-291331-9)	11/10/21	10 30 Pacific		Solid		X	X	X	X				1	
Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.														
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)												
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months												
Deliverable Requested I II, III, IV, Other (specify)		Primary Deliverable Rank. 2												
Empty Kit Relinquished by:		Date:	Time	Method of Shipment:										
Relinquished by	Date/Time:	11/11/21 1047	Company	ECAW	Received by	DR	Date/Time:	11/11/21 1047	Company	ECAW				
Relinquished by	Date/Time:	11/11/21 1245	Company	ECAW	Received by	MH/9	Date/Time:	11/11/21 1245	Company	ECAW				
Relinquished by	Date/Time:		Company		Received by		Date/Time:		Company					
Custody Seals Intact: △ Yes △ No	Custody Seal No <i>N/A</i>			Cooler Temperature(s) °C and Other Remarks: <i>23/7.2 2025</i>										

Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:									
Client Contact: Shipping/Receiving	Phone:	Roberts, Danielle C	Danielle Roberts@Eurofinset.com	State of Origin: California	440-175338.2									
Company: Eurofins Calscience LLC	Accreditations Required (See note) State Program - California			Page:	Page 2 of 2									
Address: 7440 Lincoln Way, Garden Grove CA, 92841	Due Date Requested: 11/30/2021	Analysis Requested			Job #: 440-291331-1									
City: Garden Grove	TAT Requested (days):				Preservation Codes									
State, Zip: CA, 92841					A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)									
Phone: 714-895-5494(Tel) 714-894-7501(Fax)	PO #:				Other:									
Email:	WO #:													
Project Name: San Elijo	Project #: 44013530													
Site: San Elijo - Water Reclamation Facility	SSOW#:													
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=Air)	Field/Fleet Sample Number (Y/N)	Prepared MSDS (Y/N)	Nitrogen	SM500_L-NHg_B3312_Prep Total Nitrogen	D4464/ Full Analyte List	300_ORGFLNSICA_WET_DINitratesandNitritesas N	90604_DW/Total Organic Carbon	Total Number of Deliveries	Special Instructions/Note:
San Elijo Lagoon TC #4 (440-291331-10)	11/10/21	10:06 Pacific		Solid		X	X	X	X					
San Elijo Lagoon TC #5 (440-291331-11)	11/10/21	09:40 Pacific		Solid		X	X	X	X					1
San Elijo Lagoon TC #6 (440-291331-12)	11/10/21	09:17 Pacific		Solid		X	X	X	X					1
Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.														
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested I, II, III, IV, Other (specify)					Primary Deliverable Rank: 2 Special Instructions/QC Requirements									
Empty Kit Relinquished by:		Date	Time		Method of Shipment:									
Relinquished by: 		Date/Time: 11/11/21 10:47	Company: 		Received by: 	Date/Time: 11/11/21 10:47		Company: 						
Relinquished by: 		Date/Time: 11/11/21 12:45	Company: 		Received by: 	Date/Time: 11/11/21 12:45		Company: 						
Relinquished by: 		Date/Time:	Company:		Received by:	Date/Time:		Company:						
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No: 		Cooler Temperature(s) °C and Other Remarks: 2.7/3.2 sec										

Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-291331-1

Login Number: 291331

List Source: Eurofins Calscience Irvine

List Number: 1

Creator: Escalante, Maria I

Question	Answer	Comment	
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True		
The cooler's custody seal, if present, is intact.	N/A	Not present	
Sample custody seals, if present, are intact.	N/A	Not Present	
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	True		
Cooler Temperature is acceptable.	True		
Cooler Temperature is recorded.	True		
COC is present.	True		
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
Is the Field Sampler's name present on COC?	True		
There are no discrepancies between the containers received and the COC.	True		
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-291331-1

Login Number: 291331

List Source: Eurofins Calscience LLC

List Number: 2

List Creation: 11/11/21 04:39 PM

Creator: Ortiz-Luis, Michael

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing
America



ANALYTICAL REPORT

Eurofins Calscience Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

Laboratory Job ID: 440-291487-1

Client Project/Site: San Elijo

For:

San Elijo Joint Powers Auth.
2695 Manchester Avenue
Cardiff, California 92007

Attn: Susie Arredondo

Danielle Roberts

Authorized for release by:
12/3/2021 1:52:35 PM

Danielle Roberts, Senior Project Manager
(949)260-3249

Danielle.Roberts@Eurofinset.com

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Expert

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-291487-1	San Elijo Lagoon MC #7	Solid	11/12/21 08:25	11/12/21 19:00
440-291487-2	San Elijo Lagoon MC #8	Solid	11/12/21 08:11	11/12/21 19:00
440-291487-3	San Elijo Lagoon MC #9	Solid	11/12/21 07:42	11/12/21 19:00
440-291487-4	San Elijo Lagoon TC #7	Solid	11/12/21 08:36	11/12/21 19:00
440-291487-5	San Elijo Lagoon TC #8	Solid	11/12/21 08:49	11/12/21 19:00
440-291487-6	San Elijo Lagoon TC #9	Solid	11/12/21 07:53	11/12/21 19:00

Case Narrative

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Job ID: 440-291487-1

Laboratory: Eurofins Calscience Irvine

Narrative

Job Narrative 440-291487-1

Comments

No additional comments.

Receipt

The samples were received on 11/12/2021 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.7° C.

HPLC/IC

Method 300.0: The followings samples were analyzed at a dilution due to the Matrix Conductivity Threshold (MCT) of the instrument: San Elijo Lagoon MC #7 (440-291487-1) and San Elijo Lagoon MC #8 (440-291487-2). The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method D4464: The sample duplicate precision for the following sample associated with analytical batch 570-198150 was flagged as being outside control limits due to a L.I.M.S. limitation: (570-64036-A-3) and (570-64036-A-3 DU). The mean grain size for the sample and sample duplicate were within RPD acceptance criteria. Method D4464.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: San Elijo Joint Powers Auth.

Job ID: 440-291487-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon MC #7

Lab Sample ID: 440-291487-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	8400		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	1000		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Nitrogen, Kjeldahl	1000		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Total Nitrogen	1000		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	26.75		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	65.09		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	91.84		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	8.15		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #8

Lab Sample ID: 440-291487-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	8700		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	930		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Nitrogen, Kjeldahl	930		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Total Nitrogen	930		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	15.19		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	1.64		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	64.39		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	79.58		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	18.78		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon MC #9

Lab Sample ID: 440-291487-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	4100		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	480		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Nitrogen, Kjeldahl	480		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Total Nitrogen	480		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	19.86		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	1.15		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	60.38		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	80.24		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	18.60		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #7

Lab Sample ID: 440-291487-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.62		0.10	0.024	mg/L	1		300.0	STLC DI
Carbon, Total Organic	6700		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	840		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Nitrogen, Kjeldahl	840		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Total Nitrogen	840		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	27.61		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	0.03		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	63.98		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	91.59		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	8.38		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #8

Lab Sample ID: 440-291487-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	6900		500	150	mg/Kg	1		9060A	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Client Sample ID: San Elijo Lagoon TC #8 (Continued)

Lab Sample ID: 440-291487-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Kjeldahl Nitrogen	790		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Nitrogen, Kjeldahl	790		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Total Nitrogen	790		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	24.28		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	0.06		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	65.13		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	89.41		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	10.53		0.01	0.01	%	1		D4464	Total/NA

Client Sample ID: San Elijo Lagoon TC #9

Lab Sample ID: 440-291487-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon, Total Organic	7900		500	150	mg/Kg	1		9060A	Total/NA
Total Kjeldahl Nitrogen	670		200	110	mg/Kg	1		SM 4500 Norg B	Total/NA
Nitrogen, Kjeldahl	670		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Total Nitrogen	670		10	5.5	mg/Kg	1		Total Nitrogen	Total/NA
Clay (less than 0.00391 mm)	15.54		0.01	0.01	%	1		D4464	Total/NA
Fine Sand (0.125 to 0.25mm)	2.40		0.01	0.01	%	1		D4464	Total/NA
Silt (0.00391 to 0.0625mm)	62.55		0.01	0.01	%	1		D4464	Total/NA
Total Silt and Clay (0 to 0.0626mm)	78.08		0.01	0.01	%	1		D4464	Total/NA
Very Fine Sand (0.0625 to 0.125 mm)	19.52		0.01	0.01	%	1		D4464	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience Irvine

Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Client Sample ID: San Elijo Lagoon MC #7

Lab Sample ID: 440-291487-1

Matrix: Solid

Date Collected: 11/12/21 08:25
Date Received: 11/12/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.20	0.036	mg/L			11/24/21 23:06	2
Nitrate as N	ND		0.20	0.048	mg/L			11/24/21 23:06	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	8400		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	1000		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Nitrogen, Kjeldahl	1000		10	5.5	mg/Kg			11/16/21 09:30	1
Total Nitrogen	1000		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	26.75		0.01	0.01	%			12/02/21 12:22	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			12/02/21 12:22	1
Fine Sand (0.125 to 0.25mm)	ND		0.01	0.01	%			12/02/21 12:22	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			12/02/21 12:22	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			12/02/21 12:22	1
Silt (0.00391 to 0.0625mm)	65.09		0.01	0.01	%			12/02/21 12:22	1
Total Silt and Clay (0 to 0.0626mm)	91.84		0.01	0.01	%			12/02/21 12:22	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			12/02/21 12:22	1
Very Fine Sand (0.0625 to 0.125 mm)	8.15		0.01	0.01	%			12/02/21 12:22	1

Client Sample ID: San Elijo Lagoon MC #8

Lab Sample ID: 440-291487-2

Matrix: Solid

Date Collected: 11/12/21 08:11
Date Received: 11/12/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.20	0.036	mg/L			11/24/21 23:23	2
Nitrate as N	ND		0.20	0.048	mg/L			11/24/21 23:23	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	8700		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	930		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Nitrogen, Kjeldahl	930		10	5.5	mg/Kg			11/16/21 09:30	1
Total Nitrogen	930		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	15.19		0.01	0.01	%			12/02/21 12:30	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			12/02/21 12:30	1
Fine Sand (0.125 to 0.25mm)	1.64		0.01	0.01	%			12/02/21 12:30	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			12/02/21 12:30	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			12/02/21 12:30	1
Silt (0.00391 to 0.0625mm)	64.39		0.01	0.01	%			12/02/21 12:30	1
Total Silt and Clay (0 to 0.0626mm)	79.58		0.01	0.01	%			12/02/21 12:30	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			12/02/21 12:30	1
Very Fine Sand (0.0625 to 0.125 mm)	18.78		0.01	0.01	%			12/02/21 12:30	1

Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Client Sample ID: San Elijo Lagoon MC #9

Lab Sample ID: 440-291487-3

Matrix: Solid

Date Collected: 11/12/21 07:42

Date Received: 11/12/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.018	mg/L			11/24/21 23:41	1
Nitrate as N	ND		0.10	0.024	mg/L			11/24/21 23:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	4100		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	480		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Nitrogen, Kjeldahl	480		10	5.5	mg/Kg			11/16/21 09:30	1
Total Nitrogen	480		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	19.86		0.01	0.01	%			12/02/21 12:36	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			12/02/21 12:36	1
Fine Sand (0.125 to 0.25mm)	1.15		0.01	0.01	%			12/02/21 12:36	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			12/02/21 12:36	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			12/02/21 12:36	1
Silt (0.00391 to 0.0625mm)	60.38		0.01	0.01	%			12/02/21 12:36	1
Total Silt and Clay (0 to 0.0626mm)	80.24		0.01	0.01	%			12/02/21 12:36	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			12/02/21 12:36	1
Very Fine Sand (0.0625 to 0.125 mm)	18.60		0.01	0.01	%			12/02/21 12:36	1

Client Sample ID: San Elijo Lagoon TC #7

Lab Sample ID: 440-291487-4

Matrix: Solid

Date Collected: 11/12/21 08:36

Date Received: 11/12/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.018	mg/L			11/24/21 23:59	1
Nitrate as N	0.62		0.10	0.024	mg/L			11/24/21 23:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	6700		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	840		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Nitrogen, Kjeldahl	840		10	5.5	mg/Kg			11/16/21 09:30	1
Total Nitrogen	840		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	27.61		0.01	0.01	%			12/02/21 12:42	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			12/02/21 12:42	1
Fine Sand (0.125 to 0.25mm)	0.03		0.01	0.01	%			12/02/21 12:42	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			12/02/21 12:42	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			12/02/21 12:42	1
Silt (0.00391 to 0.0625mm)	63.98		0.01	0.01	%			12/02/21 12:42	1
Total Silt and Clay (0 to 0.0626mm)	91.59		0.01	0.01	%			12/02/21 12:42	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			12/02/21 12:42	1
Very Fine Sand (0.0625 to 0.125 mm)	8.38		0.01	0.01	%			12/02/21 12:42	1

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Client Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Client Sample ID: San Elijo Lagoon TC #8

Lab Sample ID: 440-291487-5

Matrix: Solid

Date Collected: 11/12/21 08:49
Date Received: 11/12/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.018	mg/L			11/25/21 00:17	1
Nitrate as N	ND		0.10	0.024	mg/L			11/25/21 00:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	6900		500	150	mg/Kg			11/19/21 19:04	1
Total Kjeldahl Nitrogen	790		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Nitrogen, Kjeldahl	790		10	5.5	mg/Kg			11/16/21 09:30	1
Total Nitrogen	790		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	24.28		0.01	0.01	%			12/02/21 12:49	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			12/02/21 12:49	1
Fine Sand (0.125 to 0.25mm)	0.06		0.01	0.01	%			12/02/21 12:49	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			12/02/21 12:49	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			12/02/21 12:49	1
Silt (0.00391 to 0.0625mm)	65.13		0.01	0.01	%			12/02/21 12:49	1
Total Silt and Clay (0 to 0.0626mm)	89.41		0.01	0.01	%			12/02/21 12:49	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			12/02/21 12:49	1
Very Fine Sand (0.0625 to 0.125 mm)	10.53		0.01	0.01	%			12/02/21 12:49	1

Client Sample ID: San Elijo Lagoon TC #9

Lab Sample ID: 440-291487-6

Matrix: Solid

Date Collected: 11/12/21 07:53
Date Received: 11/12/21 19:00

Method: 300.0 - Anions, Ion Chromatography - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.018	mg/L			11/25/21 00:35	1
Nitrate as N	ND		0.10	0.024	mg/L			11/25/21 00:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	7900		500	150	mg/Kg			11/22/21 17:23	1
Total Kjeldahl Nitrogen	670		200	110	mg/Kg	11/16/21 05:30		11/16/21 09:30	1
Nitrogen, Kjeldahl	670		10	5.5	mg/Kg			11/16/21 09:30	1
Total Nitrogen	670		10	5.5	mg/Kg			11/16/21 09:30	1

Method: D4464 - Particle Size Distribution of Catalytic Material (Laser light scattering)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Clay (less than 0.00391 mm)	15.54		0.01	0.01	%			12/02/21 12:55	1
Coarse Sand (0.5mm to 1mm)	ND		0.01	0.01	%			12/02/21 12:55	1
Fine Sand (0.125 to 0.25mm)	2.40		0.01	0.01	%			12/02/21 12:55	1
Gravel (greater than 2 mm)	ND		0.01	0.01	%			12/02/21 12:55	1
Medium Sand (0.25 to 0.5 mm)	ND		0.01	0.01	%			12/02/21 12:55	1
Silt (0.00391 to 0.0625mm)	62.55		0.01	0.01	%			12/02/21 12:55	1
Total Silt and Clay (0 to 0.0626mm)	78.08		0.01	0.01	%			12/02/21 12:55	1
Very Coarse Sand (1 to 2mm)	ND		0.01	0.01	%			12/02/21 12:55	1
Very Fine Sand (0.0625 to 0.125 mm)	19.52		0.01	0.01	%			12/02/21 12:55	1

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

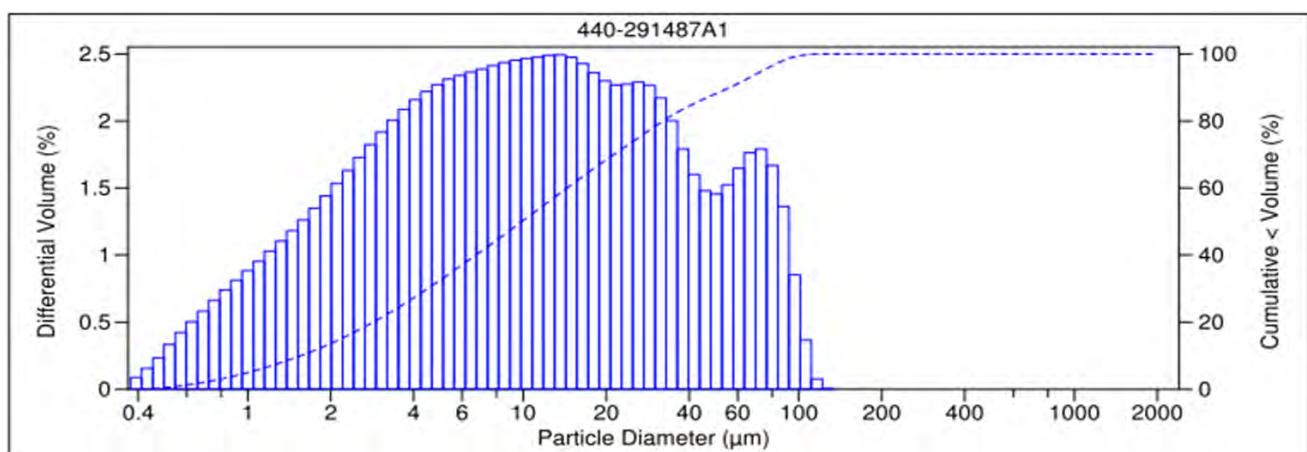
San Elijo Water Reclamation Facility

Date Sampled: 11/12/21
 Date Received: 11/12/21
 Work Order No: 440-291487
 Date Analyzed: 12/02/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #7		Silt	0.019

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	0.00	8.15	65.09	26.75	91.84



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

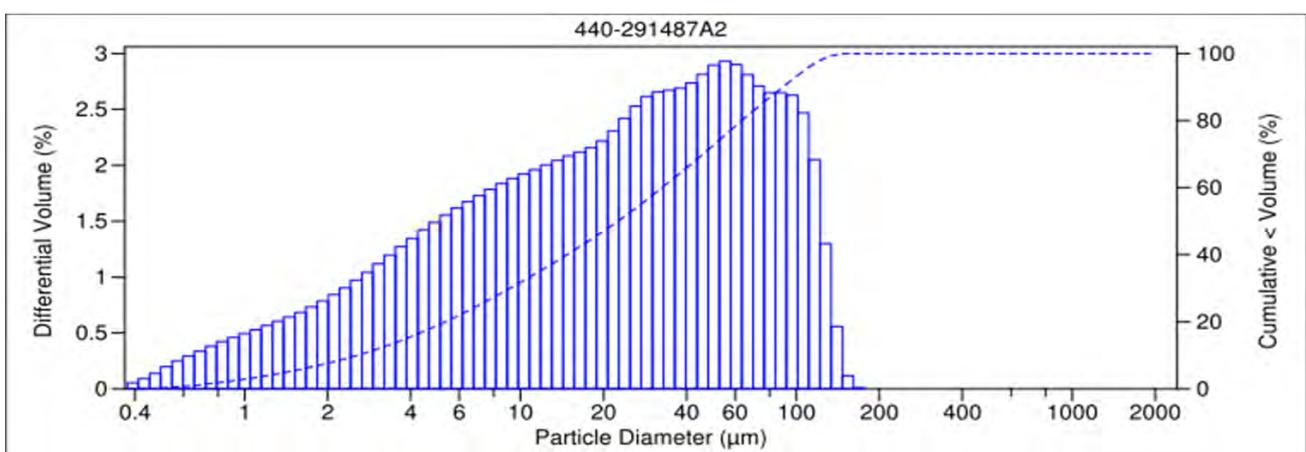
San Elijo Water Reclamation Facility

Date Sampled: 11/12/21
 Date Received: 11/12/21
 Work Order No: 440-291487
 Date Analyzed: 12/02/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #8		Silt	0.035

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	1.64	18.78	64.39	15.19	79.58



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

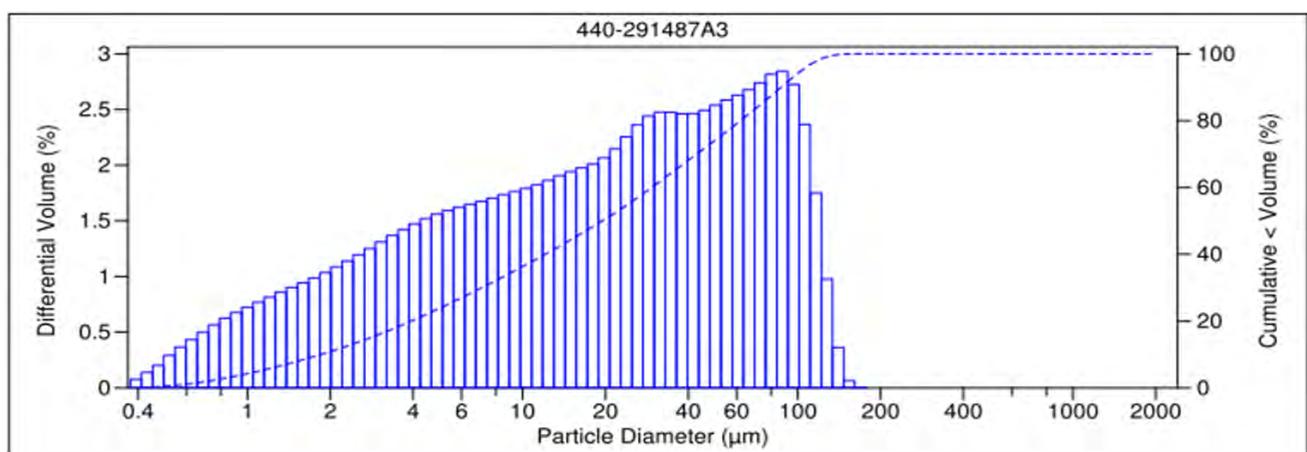
San Elijo Water Reclamation Facility

Date Sampled: 11/12/21
 Date Received: 11/12/21
 Work Order No: 440-291487
 Date Analyzed: 12/02/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon MC #9		Silt	0.033

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	1.15	18.60	60.38	19.86	80.24



V 3.0

PARTICLE SIZE SUMMARY (ASTM D422 / D4464M)

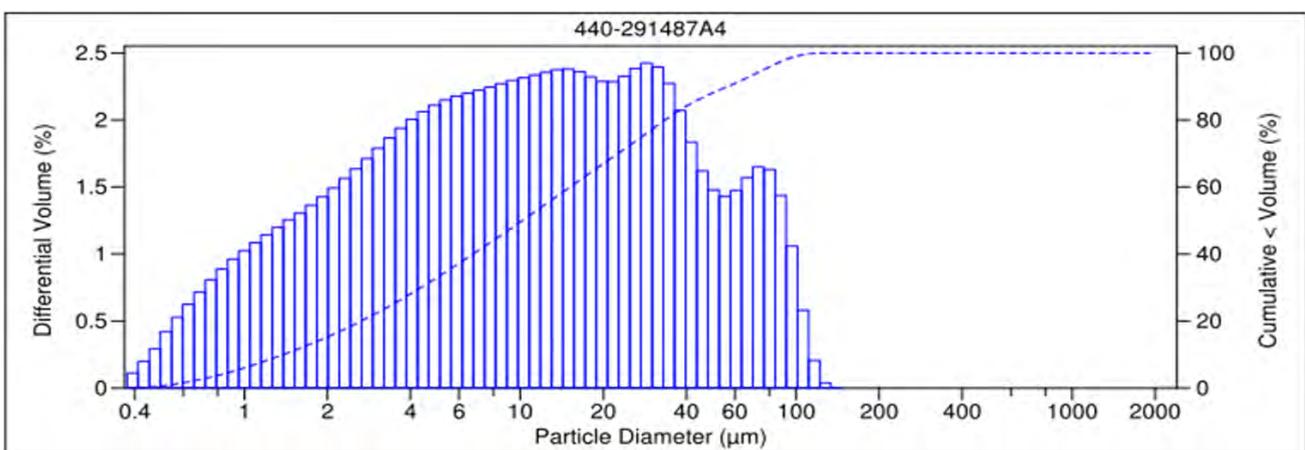
San Elijo Water Reclamation Facility

Date Sampled: 11/12/21
Date Received: 11/12/21
Work Order No: 440-291487
Date Analyzed: 12/02/21
Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #7		Silt	0.020

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	0.03	8.38	63.98	27.61	91.59



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

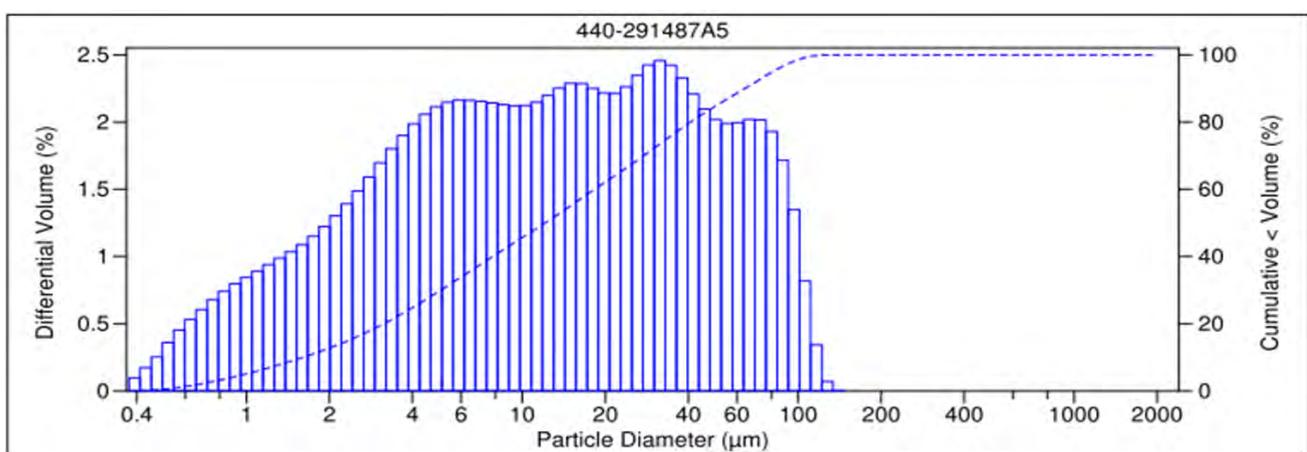
San Elijo Water Reclamation Facility

Date Sampled: 11/12/21
Date Received: 11/12/21
Work Order No: 440-291487
Date Analyzed: 12/02/21
Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #8		Silt	0.023

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	0.06	10.53	65.13	24.28	89.41



V 3.0

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PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

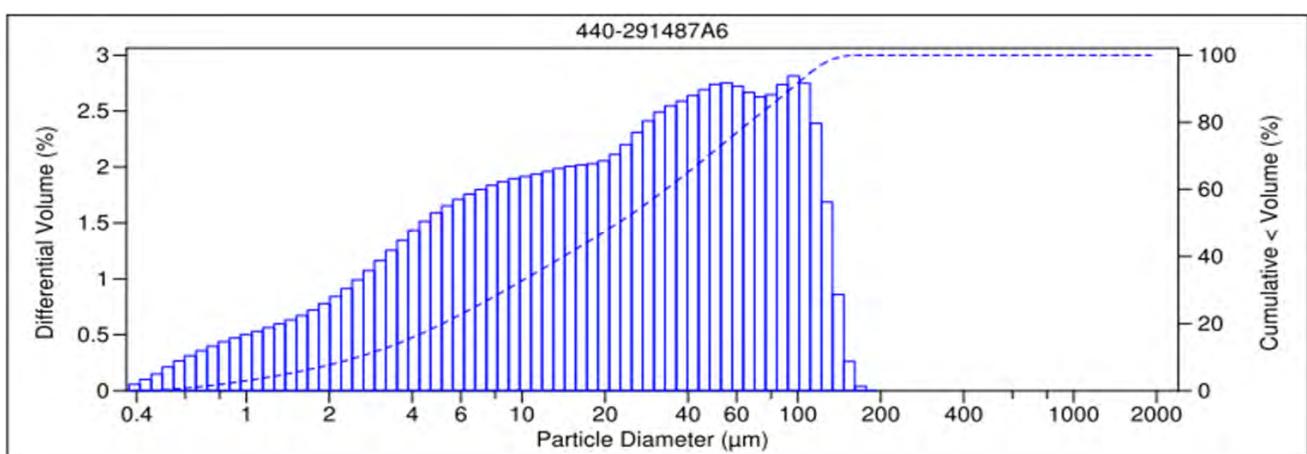
San Elijo Water Reclamation Facility

Date Sampled: 11/12/21
 Date Received: 11/12/21
 Work Order No: 440-291487
 Date Analyzed: 12/02/21
 Method: ASTM D4464M

Project:

Sample ID	Depth ft	Description	Mean Grain Size mm
San Elijo Lagoon TC #9		Silt	0.036

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.00	2.40	19.52	62.55	15.54	78.08



V 3.0

Method Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	ECL 1
9060A	Organic Carbon, Total (TOC)	SW846	ECL 1
SM 4500 Norg B	Nitrogen, Organic	SM	ECL 1
Total Nitrogen	Nitrogen, Total	EPA	ECL 1
D4464	Particle Size Distribution of Catalytic Material (Laser light scattering)	ASTM	ECL 1
351.2	Nitrogen, Total Kjeldahl	MCAWW	ECL 1
CA WET DI Leach	California - Waste Extraction Test with Deionized Water Leach	CA-WET	ECL 3

Protocol References:

ASTM = ASTM International

CA-WET = California Waste Extraction Test, from Title 22

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 3 = Eurofins Calscience LLC Knott, 11380 Knott Street, Garden Grove, CA 92841, TEL (714)895-5494

Lab Chronicle

Client: San Elijo Joint Powers Auth.

Job ID: 440-291487-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon MC #7

Lab Sample ID: 440-291487-1

Matrix: Solid

Date Collected: 11/12/21 08:25

Date Received: 11/12/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.02 g	500 mL	196165	11/22/21 09:00	SR3N	ECL 3
STLC DI	Analysis	300.0		2			196735	11/24/21 23:06	URMH	ECL 1
Total/NA	Analysis	9060A		1	201.7 mg	201.7 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			198150	12/02/21 12:22	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #8

Lab Sample ID: 440-291487-2

Matrix: Solid

Date Collected: 11/12/21 08:11

Date Received: 11/12/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.40 g	500 mL	196165	11/22/21 09:00	SR3N	ECL 3
STLC DI	Analysis	300.0		2			196735	11/24/21 23:23	URMH	ECL 1
Total/NA	Analysis	9060A		1	204.2 mg	204.2 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			198150	12/02/21 12:30	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon MC #9

Lab Sample ID: 440-291487-3

Matrix: Solid

Date Collected: 11/12/21 07:42

Date Received: 11/12/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.42 g	500 mL	196165	11/22/21 09:00	SR3N	ECL 3
STLC DI	Analysis	300.0		1			196735	11/24/21 23:41	URMH	ECL 1
Total/NA	Analysis	9060A		1	204.2 mg	204.2 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			198150	12/02/21 12:36	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #7

Lab Sample ID: 440-291487-4

Matrix: Solid

Date Collected: 11/12/21 08:36

Date Received: 11/12/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.15 g	500 mL	196165	11/22/21 09:00	SR3N	ECL 3
STLC DI	Analysis	300.0		1			196735	11/24/21 23:59	URMH	ECL 1
Total/NA	Analysis	9060A		1	201.5 mg	201.5 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1

Eurofins Calscience Irvine

Lab Chronicle

Client: San Elijo Joint Powers Auth.

Job ID: 440-291487-1

Project/Site: San Elijo

Client Sample ID: San Elijo Lagoon TC #7

Lab Sample ID: 440-291487-4

Matrix: Solid

Date Collected: 11/12/21 08:36

Date Received: 11/12/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			198150	12/02/21 12:42	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #8

Lab Sample ID: 440-291487-5

Matrix: Solid

Date Collected: 11/12/21 08:49

Date Received: 11/12/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.23 g	500 mL	196165	11/22/21 09:00	SR3N	ECL 3
STLC DI	Analysis	300.0		1			196735	11/25/21 00:17	URMH	ECL 1
Total/NA	Analysis	9060A		1	209.1 mg	209.1 mg	195667	11/19/21 19:04	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			198150	12/02/21 12:49	C4LT	ECL 1

Client Sample ID: San Elijo Lagoon TC #9

Lab Sample ID: 440-291487-6

Matrix: Solid

Date Collected: 11/12/21 07:53

Date Received: 11/12/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Leach	CA WET DI Leach			50.20 g	500 mL	196165	11/22/21 09:00	SR3N	ECL 3
STLC DI	Analysis	300.0		1			196735	11/25/21 00:35	URMH	ECL 1
Total/NA	Analysis	9060A		1	208.2 mg	208.2 mg	197315	11/22/21 17:23	CY2M	ECL 1
Total/NA	Prep	351.2			0.5 g	200 mL	194510	11/16/21 05:30		ECL 1
Total/NA	Analysis	SM 4500 Norg B		1	200 mL	200 mL	194518	11/16/21 09:30	UIP1	ECL 1
Total/NA	Analysis	Total Nitrogen		1			197574	11/16/21 09:30	UAPD	ECL 1
Total/NA	Analysis	D4464		1			198150	12/02/21 12:55	C4LT	ECL 1

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 3 = Eurofins Calscience LLC Knott, 11380 Knott Street, Garden Grove, CA 92841, TEL (714)895-5494

QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 570-196735/5

Matrix: Solid

Analysis Batch: 196735

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.018	mg/L			11/24/21 15:27	1
Nitrate as N	ND		0.10	0.024	mg/L			11/24/21 15:27	1

Lab Sample ID: LCS 570-196735/6

Matrix: Solid

Analysis Batch: 196735

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	%Rec. Limits
Nitrite as N	2.50	2.56		mg/L		102	90 - 110
Nitrate as N	5.00	4.94		mg/L		99	90 - 110

Lab Sample ID: LCSD 570-196735/7

Matrix: Solid

Analysis Batch: 196735

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit
Nitrite as N	2.50	2.57		mg/L		103	90 - 110	0 15
Nitrate as N	5.00	4.93		mg/L		99	90 - 110	0 15

Lab Sample ID: 570-76845-G-5 MS

Matrix: Solid

Analysis Batch: 196735

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	%Rec. Limits
Nitrite as N	ND		2.50	2.41		mg/L		96	80 - 120
Nitrate as N	ND		5.00	4.50		mg/L		90	80 - 120

Lab Sample ID: 570-76845-G-5 MS

Matrix: Solid

Analysis Batch: 196735

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	%Rec. Limits
Nitrite as N	ND		2.50	2.34		mg/L		94	80 - 120
Nitrate as N	ND		5.00	4.53		mg/L		91	80 - 120

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 570-195667/3

Matrix: Solid

Analysis Batch: 195667

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		500	150	mg/Kg			11/19/21 19:04	1

Lab Sample ID: LCS 570-195667/4

Matrix: Solid

Analysis Batch: 195667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	%Rec. Limits
Carbon, Total Organic	30000	28900		mg/Kg		96	78 - 110

Eurofins Calscience Irvine

QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 570-195667/5

Matrix: Solid

Analysis Batch: 195667

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon, Total Organic	30000	28500		mg/Kg		95	78 - 110	1	16

Lab Sample ID: 440-291331-A-1 MS

Matrix: Solid

Analysis Batch: 195667

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon, Total Organic	5600		29400	35100		mg/Kg		100	75 - 125

Lab Sample ID: 440-291331-A-1 MSD

Matrix: Solid

Analysis Batch: 195667

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon, Total Organic	5600		29400	33000		mg/Kg		93	75 - 125

Lab Sample ID: MB 570-197315/3

Matrix: Solid

Analysis Batch: 197315

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		500	150	mg/Kg			11/22/21 17:23	1

Lab Sample ID: LCS 570-197315/9

Matrix: Solid

Analysis Batch: 197315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon, Total Organic	30000	29000		mg/Kg		97	78 - 110

Lab Sample ID: LCSD 570-197315/5

Matrix: Solid

Analysis Batch: 197315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon, Total Organic	30000	28500		mg/Kg		95	78 - 110	1	16

Lab Sample ID: 570-76380-A-1-A MS

Matrix: Solid

Analysis Batch: 197315

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon, Total Organic	6800		29700	37300		mg/Kg		103	75 - 125

Lab Sample ID: 570-76380-A-1-A MSD

Matrix: Solid

Analysis Batch: 197315

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon, Total Organic	6800		29700	38400		mg/Kg		106	75 - 125

Eurofins Calscience Irvine

QC Sample Results

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Method: SM 4500 Norg B - Nitrogen, Organic

Lab Sample ID: MB 570-194510/1-A

Matrix: Solid

Analysis Batch: 194518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		200	110	mg/Kg		11/16/21 05:30	11/16/21 09:30	1

Lab Sample ID: LCS 570-194510/2-A

Matrix: Solid

Analysis Batch: 194518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits	
Total Kjeldahl Nitrogen	5000	4850		mg/Kg		97	80 - 120	

Lab Sample ID: LCSD 570-194510/3-A

Matrix: Solid

Analysis Batch: 194518

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	Limits	RPD
Total Kjeldahl Nitrogen	5000	4930		mg/Kg		99	80 - 120	2

Lab Sample ID: 570-75598-A-1-O DU

Matrix: Solid

Analysis Batch: 194518

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D		RPD
Total Kjeldahl Nitrogen	9300		9230		mg/Kg			1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 194510

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 194510

%Rec.

Limits

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 194510

%Rec.

RPD

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 194510

RPD

Limit

QC Association Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

HPLC/IC

Leach Batch: 196165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291487-1	San Elijo Lagoon MC #7	STLC DI	Solid	CA WET DI Leach	
440-291487-2	San Elijo Lagoon MC #8	STLC DI	Solid	CA WET DI Leach	
440-291487-3	San Elijo Lagoon MC #9	STLC DI	Solid	CA WET DI Leach	
440-291487-4	San Elijo Lagoon TC #7	STLC DI	Solid	CA WET DI Leach	
440-291487-5	San Elijo Lagoon TC #8	STLC DI	Solid	CA WET DI Leach	
440-291487-6	San Elijo Lagoon TC #9	STLC DI	Solid	CA WET DI Leach	

Analysis Batch: 196735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291487-1	San Elijo Lagoon MC #7	STLC DI	Solid	300.0	196165
440-291487-2	San Elijo Lagoon MC #8	STLC DI	Solid	300.0	196165
440-291487-3	San Elijo Lagoon MC #9	STLC DI	Solid	300.0	196165
440-291487-4	San Elijo Lagoon TC #7	STLC DI	Solid	300.0	196165
440-291487-5	San Elijo Lagoon TC #8	STLC DI	Solid	300.0	196165
440-291487-6	San Elijo Lagoon TC #9	STLC DI	Solid	300.0	196165
MB 570-196735/5	Method Blank	Total/NA	Solid	300.0	
LCS 570-196735/6	Lab Control Sample	Total/NA	Solid	300.0	
LCSD 570-196735/7	Lab Control Sample Dup	Total/NA	Solid	300.0	
570-76845-G-5 MS	Matrix Spike	Total/NA	Solid	300.0	
570-76845-G-5 MS	Matrix Spike	Total/NA	Solid	300.0	

General Chemistry

Prep Batch: 194510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291487-1	San Elijo Lagoon MC #7	Total/NA	Solid	351.2	
440-291487-2	San Elijo Lagoon MC #8	Total/NA	Solid	351.2	
440-291487-3	San Elijo Lagoon MC #9	Total/NA	Solid	351.2	
440-291487-4	San Elijo Lagoon TC #7	Total/NA	Solid	351.2	
440-291487-5	San Elijo Lagoon TC #8	Total/NA	Solid	351.2	
440-291487-6	San Elijo Lagoon TC #9	Total/NA	Solid	351.2	
MB 570-194510/1-A	Method Blank	Total/NA	Solid	351.2	
LCS 570-194510/2-A	Lab Control Sample	Total/NA	Solid	351.2	
LCSD 570-194510/3-A	Lab Control Sample Dup	Total/NA	Solid	351.2	
570-75598-A-1-O DU	Duplicate	Total/NA	Solid	351.2	

Analysis Batch: 194518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291487-1	San Elijo Lagoon MC #7	Total/NA	Solid	SM 4500 Norg B	194510
440-291487-2	San Elijo Lagoon MC #8	Total/NA	Solid	SM 4500 Norg B	194510
440-291487-3	San Elijo Lagoon MC #9	Total/NA	Solid	SM 4500 Norg B	194510
440-291487-4	San Elijo Lagoon TC #7	Total/NA	Solid	SM 4500 Norg B	194510
440-291487-5	San Elijo Lagoon TC #8	Total/NA	Solid	SM 4500 Norg B	194510
440-291487-6	San Elijo Lagoon TC #9	Total/NA	Solid	SM 4500 Norg B	194510
MB 570-194510/1-A	Method Blank	Total/NA	Solid	SM 4500 Norg B	194510
LCS 570-194510/2-A	Lab Control Sample	Total/NA	Solid	SM 4500 Norg B	194510
LCSD 570-194510/3-A	Lab Control Sample Dup	Total/NA	Solid	SM 4500 Norg B	194510

Eurofins Calscience Irvine

QC Association Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

General Chemistry (Continued)

Analysis Batch: 194518 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75598-A-1-O DU	Duplicate	Total/NA	Solid	SM 4500 Norg B	194510

Analysis Batch: 195667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291487-1	San Elijo Lagoon MC #7	Total/NA	Solid	9060A	6
440-291487-2	San Elijo Lagoon MC #8	Total/NA	Solid	9060A	7
440-291487-3	San Elijo Lagoon MC #9	Total/NA	Solid	9060A	8
440-291487-4	San Elijo Lagoon TC #7	Total/NA	Solid	9060A	9
440-291487-5	San Elijo Lagoon TC #8	Total/NA	Solid	9060A	10
MB 570-195667/3	Method Blank	Total/NA	Solid	9060A	11
LCS 570-195667/4	Lab Control Sample	Total/NA	Solid	9060A	12
LCSD 570-195667/5	Lab Control Sample Dup	Total/NA	Solid	9060A	13
440-291331-A-1 MS	Matrix Spike	Total/NA	Solid	9060A	14
440-291331-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	9060A	

Cleanup Batch: 195779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-76380-A-1-A MS	Matrix Spike	Total/NA	Solid	Homogenize	12
570-76380-A-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	Prep	13
				Homogenize	14
				Prep	

Analysis Batch: 197315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291487-6	San Elijo Lagoon TC #9	Total/NA	Solid	9060A	
MB 570-197315/3	Method Blank	Total/NA	Solid	9060A	
LCS 570-197315/9	Lab Control Sample	Total/NA	Solid	9060A	
LCSD 570-197315/5	Lab Control Sample Dup	Total/NA	Solid	9060A	
570-76380-A-1-A MS	Matrix Spike	Total/NA	Solid	9060A	195779
570-76380-A-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	9060A	195779

Analysis Batch: 197574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291487-1	San Elijo Lagoon MC #7	Total/NA	Solid	Total Nitrogen	
440-291487-2	San Elijo Lagoon MC #8	Total/NA	Solid	Total Nitrogen	
440-291487-3	San Elijo Lagoon MC #9	Total/NA	Solid	Total Nitrogen	
440-291487-4	San Elijo Lagoon TC #7	Total/NA	Solid	Total Nitrogen	
440-291487-5	San Elijo Lagoon TC #8	Total/NA	Solid	Total Nitrogen	
440-291487-6	San Elijo Lagoon TC #9	Total/NA	Solid	Total Nitrogen	

Geotechnical

Analysis Batch: 198150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-291487-1	San Elijo Lagoon MC #7	Total/NA	Solid	D4464	
440-291487-2	San Elijo Lagoon MC #8	Total/NA	Solid	D4464	
440-291487-3	San Elijo Lagoon MC #9	Total/NA	Solid	D4464	
440-291487-4	San Elijo Lagoon TC #7	Total/NA	Solid	D4464	
440-291487-5	San Elijo Lagoon TC #8	Total/NA	Solid	D4464	
440-291487-6	San Elijo Lagoon TC #9	Total/NA	Solid	D4464	

Definitions/Glossary

Client: San Elijo Joint Powers Auth.

Job ID: 440-291487-1

Project/Site: San Elijo

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: San Elijo Joint Powers Auth.
Project/Site: San Elijo

Job ID: 440-291487-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-22
California	State	2944	09-30-22
Guam	State	21-003R	06-22-22
Nevada	State	CA00111	07-31-22
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-12-22

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
Tel: (949) 261-1024

Chain of Custody Record

TestAmerica Laboratories, Inc.

00
11/13/21

Chain of Custody Record



Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-291487-1

Login Number: 291487

List Source: Eurofins Calscience Irvine

List Number: 1

Creator: Lagunas, Jorge L

Question	Answer	Comment	
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True		
The cooler's custody seal, if present, is intact.	N/A	Not present	
Sample custody seals, if present, are intact.	N/A	Not Present	
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	True		
Cooler Temperature is acceptable.	True		
Cooler Temperature is recorded.	True		
COC is present.	True		
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
Is the Field Sampler's name present on COC?	True		
There are no discrepancies between the containers received and the COC.	True		
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 440-291487-1

Login Number: 291487

List Number: 2

Creator: Vitente, Precy

List Source: Eurofins Calscience LLC

List Creation: 11/15/21 08:58 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	False	Not present
Sample custody seals, if present, are intact.	False	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

