

Report To: Jason Clark
Company: City of Greeley - Boyd Lake WTP
 3119 East Eisenhower Blvd.
 Loveland CO 80537

Task No: 191219024
Date Received: 12/19/19
Reported: 2/10/20
Client PO:
Client Project: Boyd Lake WTP

Customer Sample ID Boyd Lake WTP Sludge #1
Sample Date/Time: 12/18/19 9:30 AM

Lab Number: 191219024-01
Matrix: Soil - Environmental

Test	Result	Reporting Limit	Method	Date Analyzed	Analyzed By
<i>Total Metals - Dry Weight Basis</i>					
Arsenic	14.04 mg/kg	0.05	SW-846-6020	12/27/19	IPC
Barium	89.4 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Cadmium	0.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Chromium	8.4 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Lead	5.7 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Mercury	< 0.05 mg/kg	0.05	SW-846 7471	12/27/19	JTF
Selenium	5.02 mg/kg	0.05	SW-846-6020	12/27/19	IPC
Silver	< 0.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC

ASA = "Methods of Soil Analysis, Parts 1 and 2", Second Edition, American Society of Agronomy and Soil Science Society of America. Madison, WI, 1982.
 SW-846 = "Test Methods for Evaluating Solid Waste"; USEPA; November 1986
 AB-DTPA = "Soil Testing Methods Used at Colorado State University for the Evaluation of Fertility, Salinity and Trace Element Toxicity"; Colorado State University Technical Bulletin LTB88-2; Jan 1998; SM Workman, PN Soltanpour and RH Follett.



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Task No: 191219024
Date Received: 12/19/19
Reported: 2/10/20
Client PO:
Client Project: Boyd Lake WTP

Customer Sample ID Boyd Lake WTP Sludge #2
Sample Date/Time: 12/18/19 9:30 AM

Lab Number: 191219024-04
Matrix: Soil - Environmental

Test	Result	Reporting Limit	Method	Date Analyzed	Analyzed By
<i>Total Metals - Dry Weight Basis</i>					
Arsenic	15.88 mg/kg	0.05	SW-846-6020	12/27/19	IPC
Barium	96.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Cadmium	0.2 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Chromium	9.3 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Lead	6.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Mercury	< 0.05 mg/kg	0.05	SW-846 7471	12/27/19	JTF
Selenium	5.39 mg/kg	0.05	SW-846-6020	12/27/19	IPC
Silver	< 0.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC

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Date Received: 12/19/19
Reported: 2/10/20
Client PO:
Client Project: Boyd Lake WTP

Customer Sample ID Boyd Lake WTP Sludge #3
Sample Date/Time: 12/18/19 9:30 AM

Lab Number: 191219024-07
Matrix: Soil - Environmental

Test	Result	Reporting Limit	Method	Date Analyzed	Analyzed By
<i>Total Metals - Dry Weight Basis</i>					
Arsenic	17.00 mg/kg	0.05	SW-846-6020	12/27/19	IPC
Barium	111.2 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Cadmium	0.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Chromium	8.9 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Lead	4.8 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Mercury	< 0.05 mg/kg	0.05	SW-846 7471	12/27/19	JTF
Selenium	4.76 mg/kg	0.05	SW-846-6020	12/27/19	IPC
Silver	< 0.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC

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Task No: 191219024
Date Received: 12/19/19
Reported: 2/10/20
Client PO:
Client Project: Boyd Lake WTP

Customer Sample ID Boyd Lake WTP Sludge #4
Sample Date/Time: 12/18/19 9:30 AM

Lab Number: 191219024-10
Matrix: Soil - Environmental

Test	Result	Reporting Limit	Method	Date Analyzed	Analyzed By
<i>Total Metals - Dry Weight Basis</i>					
Arsenic	15.46 mg/kg	0.05	SW-846-6020	12/27/19	IPC
Barium	94.8 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Cadmium	0.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Chromium	9.5 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Lead	6.2 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Mercury	< 0.05 mg/kg	0.05	SW-846 7471	12/27/19	JTF
Selenium	5.92 mg/kg	0.05	SW-846-6020	12/27/19	IPC
Silver	< 0.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC

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Reported: 2/10/20
Client PO:
Client Project: Boyd Lake WTP

Customer Sample ID Boyd Lake WTP Sludge Composite
Sample Date/Time: 12/18/19 9:30 AM

Lab Number: 191219024-13
Matrix: Soil - Environmental

Test	Result	Reporting Limit	Method	Date Analyzed	Analyzed By
<i>Total Metals - Dry Weight Basis</i>					
Arsenic	17.80 mg/kg	0.05	SW-846-6020	12/27/19	IPC
Barium	113.7 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Cadmium	0.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Chromium	10.8 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Lead	7.3 mg/kg	0.1	SW-846-6020	12/27/19	IPC
Mercury	< 0.05 mg/kg	0.05	SW-846 7471	12/27/19	JTF
Selenium	5.92 mg/kg	0.05	SW-846-6020	12/27/19	IPC
Silver	< 0.1 mg/kg	0.1	SW-846-6020	12/27/19	IPC


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Chain of Custody Form

Report To Information		Bill To Information (If different from report to)		Project Name
Company Name: <u>City of Greeley</u> <u>Boyd Lake WTP</u>		Company Name: _____		_____
Contact Name: <u>Sason Clark</u>		Contact Name: _____		_____
Address: <u>3119 E. Eisenhower Blvd</u>		Address: _____		Task Number (Lab Use Only) <u>CAL Task No.</u> <u>191219024</u>
City: <u>Louisburg</u> State: <u>CO</u> Zip: <u>80537</u>		City: _____ State: _____ Zip: _____		<u>JML</u>
Phone: <u>9706677031</u> Fax: <u>970 667 9679</u>		Phone: _____ Fax: _____		Disposal Date (Lab Use Only)
Email: <u>Sason.Clark@greeleygov.com</u>		Email: _____		_____
Sample Collector: <u>Alex Freckelting</u>		PO No.: _____		_____


Colorado Analytical Laboratories, Inc.
 Brighton Lab
 240 South Main Street
 Brighton, CO 80601
 Lakewood Lab
 12860 W. Cedar Dr, Suite 100A
 Lakewood CO 80228
 Phone: 303-659-2313
 Fax: 303-659-2315
www.coloradolab.com

Sample Matrix (Select One Only)		Sample ID	No. of Containers	Grab or (Check One Only) Composite	Ricca Metals (T)	Isotopic Uranium	PH	Total Alpha	Thorium Isotopic	Thorium 232	Radium M226/228	Paint Filter Test								
Waste Water <input type="checkbox"/>	Ground Water <input type="checkbox"/>																			Surface Water <input type="checkbox"/>
12-18-19	0930	Boyd Lake WTP Sludge #1	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12-18-19	0930	Boyd Lake WTP Sludge #2	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12-18-19	0930	Boyd Lake WTP Sludge #3	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12-18-19	0930	Boyd Lake WTP Sludge #4	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12-18-19	0930	Boyd Lake WTP Composite	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Instructions:		CS Info: <u>(5)</u> Deliver Via: <u>Hand</u> CS Charge: <input type="checkbox"/> Temp: <u>8.6</u> °C/F Seals Present Yes <input type="checkbox"/> No <input type="checkbox"/>																		
Relinquished By: <u>[Signature]</u>	Date/Time: <u>11:58am</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/19/19</u>	Relinquished By: <u>[Signature]</u>	Date/Time: <u>11:38</u>	Temp: <u>8.6</u> °C/F	Received By: <u>[Signature]</u>	Date/Time: <u>12/19/19</u>	Sample Pres. Yes <input type="checkbox"/> No <input type="checkbox"/>	Date/Time: <u>11:38</u>										