



**Dirty Business Soil Consulting & Analysis**

852 W Wabash Ave, Eureka, CA 95501

707-633-8885

DBSanalytics.com

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03/09/20

**Client: Jane Due**

**Business Name: Farm**

**Phone: 707-633-8885**

**Email: Dirty Business**

**Sample Name:**

**Lab ID#: 1364 (Sample 1), 1365 (Sample 2)**

**Sample Description: Potting Soil**

**Laboratory Analysis: CAM 17**

Attached is the CAM 17 report conducted by North Coast Labs.

If you have any questions about your results, please contact the number listed on the attached report from North Coast Labs.

Please call the DBS office to set up a consultation if any additional services are needed.

Sincerely,

Erin Johnson, Laboratory Manager  
Dirty Business Soil Consulting & Analysis



**NORTH COAST  
LABORATORIES LTD.**

March 03, 2020

Dirty Business Soil Analytics  
852 W. Wabash Ave  
Eureka, CA 95501

Attn: Erin Johnson

Order No.: 2002373  
Invoice No.: 151401  
PO No.:  
ELAP No.1247-Expires July 2020

RE:

**SAMPLE IDENTIFICATION**

Fraction	Client Sample Description
01A	1364P-OS
02A	1365P-OS

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

**Approved for release by:**

Roxanne Moore, Project Manager

**Date:** 03-Mar-2020

**WorkOrder:** 2002373

## CASE NARRATIVE

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The samples were received outside the EPA recommended temperature of less than or equal to 6° C.

Date: 03-Mar-2020

WorkOrder: 2002373

**ANALYTICAL REPORT**

Client Sample ID: 1364P-OS

Lab ID: 2002373-01A

Received: 2/26/2020

Collected: 2/25/2020 11:00

Test Name: EPA 6010B

Reference: EPA 6010B

<u>Parameter</u>	<u>Result</u>	<u>Flag</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Antimony	ND		5.0	mg/kg	1.0	2/28/2020	3/3/2020
Arsenic	ND		2.0	mg/kg	1.0	2/28/2020	3/3/2020
Barium	58		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Beryllium	ND		0.50	mg/kg	1.0	2/28/2020	3/3/2020
Cadmium	1.2		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Chromium	79		2.0	mg/kg	1.0	2/28/2020	3/3/2020
Cobalt	11		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Copper	70		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Lead	6.5		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Molybdenum	ND		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Nickel	150		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Selenium	ND		2.0	mg/kg	1.0	2/28/2020	3/3/2020
Silver	ND		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Thallium	ND		2.0	mg/kg	1.0	2/28/2020	3/3/2020
Vanadium	16		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Zinc	140		1.0	mg/kg	1.0	2/28/2020	3/3/2020

Test Name: Mercury

Reference: EPA 7471A

<u>Parameter</u>	<u>Result</u>	<u>Flag</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Mercury	ND		0.10	mg/kg	1.0	3/2/2020	3/2/2020

Client Sample ID: 1365P-OS

Lab ID: 2002373-02A

Received: 2/26/2020

Collected: 2/25/2020 11:00

Test Name: EPA 6010B

Reference: EPA 6010B

<u>Parameter</u>	<u>Result</u>	<u>Flag</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Antimony	ND		5.0	mg/kg	1.0	2/28/2020	3/3/2020
Arsenic	ND		2.0	mg/kg	1.0	2/28/2020	3/3/2020
Barium	72		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Beryllium	ND		0.50	mg/kg	1.0	2/28/2020	3/3/2020
Cadmium	ND		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Chromium	33		2.0	mg/kg	1.0	2/28/2020	3/3/2020
Cobalt	6.4		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Copper	71		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Lead	6.2		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Molybdenum	ND		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Nickel	56		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Selenium	ND		2.0	mg/kg	1.0	2/28/2020	3/3/2020
Silver	ND		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Thallium	ND		2.0	mg/kg	1.0	2/28/2020	3/3/2020
Vanadium	16		1.0	mg/kg	1.0	2/28/2020	3/3/2020
Zinc	160		1.0	mg/kg	1.0	2/28/2020	3/3/2020

Test Name: Mercury

Reference: EPA 7471A

<u>Parameter</u>	<u>Result</u>	<u>Flag</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Mercury	ND		0.10	mg/kg	1.0	3/2/2020	3/2/2020

North Coast Laboratories, Ltd.

Date: 3/3/2020

**CLIENT:** Dirty Business Soil Analytics**Work Order:** 2002373**QC SUMMARY REPORT****Project:**

Method Blank

Sample ID:	Batch ID:	Test Code:	Units:	Analysis Date	Prep Date:						
<b>MB-38351</b>	<b>38351</b>	<b>6ICPS</b>	<b>mg/kg</b>	<b>3/3/2020 9:58:51 AM</b>	<b>2/28/2020</b>						
Client ID:		Run ID:		SeqNo:							
		<b>INICP2_200303A</b>		<b>1461301</b>							
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	5.0									
Arsenic	ND	2.0									
Barium	ND	1.0									
Beryllium	ND	0.50									
Cadmium	ND	1.0									
Chromium	ND	2.0									
Cobalt	ND	1.0									
Copper	ND	1.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	2.0									
Silver	ND	1.0									
Thallium	ND	2.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID:	Batch ID:	Test Code:	Units:	Analysis Date	Prep Date:						
<b>MB-38359</b>	<b>38359</b>	<b>MERCS</b>	<b>mg/kg</b>	<b>3/2/2020 2:51:24 PM</b>	<b>3/2/2020</b>						
Client ID:		Run ID:		SeqNo:							
		<b>CVAA2_200302A</b>		<b>1461084</b>							
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 3/3/2020

**CLIENT:** Dirty Business Soil Analytics**Work Order:** 2002373**Project:****QC SUMMARY REPORT**

Laboratory Control Spike

Sample ID: <b>LCS-38351</b>	Batch ID: <b>38351</b>	Test Code: <b>6ICPS</b>	Units: <b>mg/kg</b>	Analysis Date: <b>3/3/2020 10:00:49 AM</b>	Prep Date: <b>2/28/2020</b>						
Client ID:	Run ID: <b>INICP2_200303A</b>	SeqNo: <b>1461302</b>									
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	97.08	5.0	100	0	97.1%	80	120	0			
Arsenic	95.45	2.0	100	0	95.4%	80	120	0			
Barium	93.10	1.0	100	0.0374	93.1%	80	120	0			
Beryllium	96.82	0.50	100	0	96.8%	80	120	0			
Cadmium	91.98	1.0	100	0	92.0%	80	120	0			
Chromium	93.93	2.0	100	0	93.9%	80	120	0			
Cobalt	93.78	1.0	100	0	93.8%	80	120	0			
Copper	95.04	1.0	100	0	95.0%	80	120	0			
Lead	95.12	1.0	100	0	95.1%	80	120	0			
Molybdenum	95.68	1.0	100	0	95.7%	80	120	0			
Nickel	96.11	1.0	100	0.273	95.8%	80	120	0			
Selenium	94.06	2.0	100	0	94.1%	80	120	0			
Silver	11.51	1.0	12.5	0	92.1%	80	120	0			
Thallium	93.72	2.0	100	0	93.7%	80	120	0			
Vanadium	93.62	1.0	100	0	93.6%	80	120	0			
Zinc	92.27	1.0	100	0	92.3%	80	120	0			

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Dirty Business Soil Analytics

**Work Order:** 2002373

**Project:**

## QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: **LCS-38351** Batch ID: **38351** Test Code: **6ICPS** Units: **mg/kg** Analysis Date **3/3/2020 10:03:10 AM** Prep Date: **2/28/2020**

Client ID: Run ID: **INICP2\_200303A** SeqNo: **1461303**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	96.52	5.0	100	0	96.5%	80	120	97.1	0.580%	20	
Arsenic	93.76	2.0	100	0	93.8%	80	120	95.4	1.78%	20	
Barium	92.35	1.0	100	0.0374	92.3%	80	120	93.1	0.801%	20	
Beryllium	96.85	0.50	100	0	96.9%	80	120	96.8	0.0324%	20	
Cadmium	91.79	1.0	100	0	91.8%	80	120	92.0	0.214%	20	
Chromium	93.40	2.0	100	0	93.4%	80	120	93.9	0.561%	20	
Cobalt	93.39	1.0	100	0	93.4%	80	120	93.8	0.416%	20	
Copper	94.51	1.0	100	0	94.5%	80	120	95.0	0.565%	20	
Lead	93.98	1.0	100	0	94.0%	80	120	95.1	1.21%	20	
Molybdenum	95.03	1.0	100	0	95.0%	80	120	95.7	0.686%	20	
Nickel	94.98	1.0	100	0.273	94.7%	80	120	96.1	1.18%	20	
Selenium	93.32	2.0	100	0	93.3%	80	120	94.1	0.789%	20	
Silver	11.44	1.0	12.5	0	91.5%	80	120	11.5	0.648%	20	
Thallium	94.40	2.0	100	0	94.4%	80	120	93.7	0.731%	20	
Vanadium	93.08	1.0	100	0	93.1%	80	120	93.6	0.580%	20	
Zinc	91.65	1.0	100	0	91.7%	80	120	92.3	0.675%	20	

Sample ID: **LCS-38359** Batch ID: **38359** Test Code: **MERCS** Units: **mg/kg** Analysis Date **3/2/2020 2:53:43 PM** Prep Date: **3/2/2020**

Client ID: Run ID: **CVAA2\_200302A** SeqNo: **1461085**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3994	0.10	0.400	0	99.8%	85	115	0			

Sample ID: **LCS-38359** Batch ID: **38359** Test Code: **MERCS** Units: **mg/kg** Analysis Date **3/2/2020 2:55:41 PM** Prep Date: **3/2/2020**

Client ID: Run ID: **CVAA2\_200302A** SeqNo: **1461086**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.4096	0.10	0.400	0	102%	85	115	0.399	2.52%	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

