



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1401900

Report Created for: Patrick Roddie
1935 Franklin Street #603
San Francisco, CA 94109

Project Contact: Patrick Roddie
Project P.O.:
Project Name: January Rain

Project Received: 01/31/2014

Analytical Report reviewed & approved for release on 02/05/2014 by:

Question about
your data?

[Click here to email
McC Campbell](#)

Angela Rydelius,
Laboratory Manager

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Glossary of Terms & Qualifier Definitions

Client: Patrick Roddie
Project: January Rain
WorkOrder: 1401900

<u>Glossary Abbreviation</u>	<u>Description</u>
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Matrix interferences, or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
TEQ	Toxicity Equivalence



Analytical Report

Client: Patrick Roddie	WorkOrder: 1401900
Project: January Rain	Extraction Method: E200.8
Date Received: 1/31/14 11:31	Analytical Method: E200.8
Date Prepared: 1/31/14	Unit: µg/L

Metals

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
January Rain	1401900-001A	Water/TOTAL	01/30/2014 08:00	ICP-MS2	86585
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Aluminum	190		50	1	02/03/2014 22:02
Barium	15		5.0	1	02/03/2014 22:02
Strontium	ND		20	1	02/03/2014 22:02
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Tb 350.917	101		70-130		02/03/2014 22:02



Quality Control Report

Client: Patrick Roddie
Date Prepared: 1/30/14
Date Analyzed: 1/31/14
Instrument: ICP-MS1
Matrix: Water
Project: January Rain

WorkOrder: 1401900
BatchID: 86585
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS-86585
 1401873-003AMS/MSD

QC Summary Report for E200.8

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aluminum	ND	499.6	50	500	-	99.9	85-115
Barium	ND	480.4	5.0	500	-	96.1	85-115
Strontium	ND	466.1	20	500	-	93.2	85-115
Surrogate Recovery							
Tb 350.917	694.6	695.4		750	93	93	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aluminum	535.6	542.1	500	ND	107	108	70-130	1.21	20
Barium	492.3	499.8	500	ND	98.5	100	70-130	1.51	20
Strontium	478	482.3	500	ND	95.6	96.5	70-130	0.896	20
Surrogate Recovery									
Tb 350.917	725.4	747.9	750		97	100	70-130	3.05	20



1534 Willow Pass Rd
 Pittsburg, CA 94565-1701
 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1401900

ClientCode: PRSF

- WaterTrax
 WriteOn
 EDF
 Excel
 EQulS
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Patrick Roddie
 Patrick Roddie
 1935 Franklin Street #603
 San Francisco, CA 94109
 415 336-4728 FAX:

Email: patrick@webbery.com
 cc:
 PO:
 ProjectNo: January Rain

Bill to:

Accounts Payable
 Patrick Roddie
 1935 Franklin Street #603
 San Francisco, CA 94109

Requested TAT:

5 days

Date Received: **01/31/2014**

Date Printed: **01/31/2014**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
1401900-001	January Rain	Water	1/30/2014 8:00	<input type="checkbox"/>	A													

Test Legend:

1	METALSMS_W	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
 Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: PATRICK RODDIE

QC Level: LEVEL 2

Work Order: 1401900

Project: January Rain

Client Contact: Patrick Roddie

Date Received: 1/31/2014

Comments:

Contact's Email: patrick@webbery.com

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Lab ID	Client ID	Matrix	Test Name	Number of Containers	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1401900-001A	January Rain	Water	E200.8 (Metals) <Aluminum, Barium, Strontium>	1	8OZ GJ/Jelly Jar	<input type="checkbox"/>	1/30/2014 8:00	5 days		<input type="checkbox"/>	

*** NOTE: STLC and TCLP extractions require 48 hrs to complete; therefore, all TATs begin after the extraction is completed (i.e., 24hr TAT yields results in 72 hrs from sample submission).**

Bottle Legend:

8OZ GJ/Jelly Jar =



Sample Receipt Checklist

Client Name: **Patrick Roddie** Date and Time Received: **1/31/2014 11:31:59 AM**
 Project Name: **January Rain** Login Reviewed by: **Maria Venegas**
 WorkOrder N°: **1401900** Matrix: Water Carrier: USPS

Chain of Custody (COC) Information

Chain of custody present? Yes No
 Chain of custody signed when relinquished and received? Yes No
 Chain of custody agrees with sample labels? Yes No
 Sample IDs noted by Client on COC? Yes No
 Date and Time of collection noted by Client on COC? Yes No
 Sampler's name noted on COC? Yes No

Sample Receipt Information

Custody seals intact on shipping container/cooler? Yes No NA
 Shipping container/cooler in good condition? Yes No
 Samples in proper containers/bottles? Yes No
 Sample containers intact? Yes No
 Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes No
 Container/Temp Blank temperature Cooler Temp: NA
 Water - VOA vials have zero headspace / no bubbles? Yes No NA
 Sample labels checked for correct preservation? Yes No
 Metal - pH acceptable upon receipt (pH<2)? Yes No NA
 Samples Received on Ice? Yes No

* NOTE: If the "No" box is checked, see comments below.

 Comments: pH had to be adjusted for Metals.!