



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1311745

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

Project Contact: Patrick Roddie
Project P.O.:
Project Name: Storm One

Project Received: 11/21/2013

Analytical Report reviewed & approved for release on 11/26/2013 by:

*Question about
your data?*

[Click here to email
McC Campbell](#)

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Patrick Roddie
Project: Storm One
WorkOrder: 1311745

<u>Glossary Abbreviation</u>	<u>Description</u>
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
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	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
SPK Val	Spike Value
SPKRef Val	Spike Reference Value



Analytical Report

Client: Patrick Roddie
Project: Storm One
Date Received: 11/21/13 12:42
Date Prepared: 11/21/13

WorkOrder: 1311745
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Storm 1	1311745-001A	Water/TOTAL	11/19/2013 12:00	ICP-MS2	84284
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Aluminum	ND		50	1	11/25/2013 23:19
Barium	9.3		5.0	1	11/25/2013 23:19
Strontium	ND		20	1	11/25/2013 23:19
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Tb 350.917	103		70-130		11/25/2013 23:19



Quality Control Report

Client: Patrick Roddie
Date Prepared: 11/21/13
Date Analyzed: 11/21/13
Instrument: ICP-MS2
Matrix: Water
Project: Storm One

WorkOrder: 1311745
BatchID: 84284
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS-84284
 1311704-001CMS/MSD

QC Summary Report for E200.8

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aluminum	ND	500.5	50	500	-	100	85-115
Barium	ND	517.7	5.0	500	-	104	85-115
Strontium	ND	519.9	20	500	-	104	85-115
Surrogate Recovery							
Tb 350.917	754.7	773		750	101	103	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aluminum	949.8	934.4	500	400	109	106	70-130	1.63	20
Barium	568.8	551.2	500	55	103	99.2	70-130	3.14	20
Strontium	588.2	580.9	500	79	102	100	70-130	1.25	20
Surrogate Recovery									
Tb 350.917	762	758.6	750		102	101	70-130	0.447	20



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1311745

ClientCode: PRSF

WaterTrax
 WriteOn
 EDF
 Excel
 EQUIS
 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: Storm One

Bill to:

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

Requested TAT:

5 days

Date Received: 11/21/2013

Date Printed: 11/21/2013

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		
1311745-001	Storm 1	Water	11/19/2013 12:00	<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: 1311745

Project: Storm One

Client Contact: Patrick Roddie

Date Received: 11/21/2013

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
1311745-001A	Storm 1	Water	E200.8 (Metals) <Aluminum, Barium, Strontium>	1	11 CG/Mason Jar	<input type="checkbox"/>	11/19/2013 12:00	5 days	Trace	<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:

11 CG/Mason Jar =

Patrick Roddie
1935 Franklin Street #603
San Francisco, CA 94109
patrick@webbery.com

November 20, 2013

McC Campbell Analytical
1534 Willow Pass Road
Pittsburg, CA 94564-1701

Rainwater test

To whom it may concern,

Further to our telephone call this morning, I'm enclosing a mason jar of rainwater I would like for you to test for aluminum, barium and strontium (Al, Ba, Sr), along with a check for the amount agreed, \$35.

Since this is the first time I've sent a sample for analysis, just to make sure I haven't filled out the chain of custody form correctly, the sample was collected yesterday (11-19-13) starting at noon on my rooftop in San Francisco.

If you have any questions, please don't hesitate to call me at 415-336-4728

Regards,

Patrick Roddie



Sample Receipt Checklist

Client Name: **Patrick Roddie** Date and Time Received: **11/21/2013 12:42:32 PM**
 Project Name: **Storm One** LogIn Reviewed by: **Maria Venegas**
 WorkOrder N°: **1311745** Matrix: Water Carrier: UPS

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.