



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1510051

Report Created for: Patrick Roddie

1935 Franklin Street #603
San Francisco, CA 94109

Project Contact: Patrick Roddie

Project P.O.:

Project Name: September Rain SF 2015

Project Received: 10/02/2015

Analytical Report reviewed & approved for release on 10/08/2015 by:

Angela Rydelius,
Laboratory Manager

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Glossary of Terms & Qualifier Definitions

Client: Patrick Roddie
Project: September Rain SF 2015
WorkOrder: 1510051

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
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
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a1 sample diluted due to matrix interference



Analytical Report

Client: Patrick Roddie
Date Received: 10/2/15 9:41
Date Prepared: 10/2/15
Project: September Rain SF 2015

WorkOrder: 1510051
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
September Rain	1510051-001A	Water	09/30/2015 14:00	ICP-MS1	111030

Analytes	Result	RL	DF	Date Analyzed
Aluminum	ND	500	10	10/05/2015 11:14
Barium	ND	50	10	10/05/2015 11:14
Strontium	ND	200	10	10/05/2015 11:14
Titanium	ND	5.0	10	10/05/2015 11:14

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	108	70-130	10/05/2015 11:14

Analyst(s): AC

Analytical Comments: a1



Quality Control Report

Client: Patrick Roddie	WorkOrder: 1510051
Date Prepared: 10/2/15	BatchID: 111030
Date Analyzed: 10/5/15	Extraction Method: E200.8
Instrument: ICP-MS1	Analytical Method: E200.8
Matrix: Water	Unit: µg/L
Project: September Rain SF 2015	Sample ID: MB/LCS-111030 1510051-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aluminum	ND	512	50	500	-	102	85-115
Barium	ND	524	5.0	500	-	105	85-115
Strontium	ND	527	20	500	-	105	85-115
Titanium	ND	51.6	0.50	50	-	103	85-115
Surrogate Recovery							
Terbium	814	815		750	108	109	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aluminum	1000	992	500	ND<500	112	110	70-130	1.07	20
Barium	510	505	500	ND<50	99	98	70-130	1.08	20
Strontium	546	545	500	ND<200	109	109	70-130	0	20
Titanium	53.4	51.0	50	ND<5.0	107	102	70-130	4.54	20
Surrogate Recovery									
Terbium	809	807	750		108	108	70-130	0	20



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1510051

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/3rd Party:
PO:
ProjectNo: September Rain SF 2015

Bill to:

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

Requested TAT: 5 days;

Date Received: 10/02/2015
Date Printed: 10/02/2015

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	
1510051-001	September Rain	Water	9/30/2015 14:00	<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
Project: September Rain SF 2015
Comments:

QC Level: LEVEL 2
Client Contact: Patrick Roddie
Contact's Email: patrick@webbery.com

Work Order: 1510051
Date Received: 10/2/2015

WaterTrax
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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1510051-001A	September Rain	Water	E200.8 (Metals) <Aluminum, Barium, Strontium, Titanium>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	9/30/2015 14:00	5 days	Present	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).
 - MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



Sample Receipt Checklist

Client Name: **Patrick Roddie** Date and Time Received: **10/2/2015 9:41:11 AM**
 Project Name: **September Rain SF 2015** LogIn Reviewed by: **Maria Venegas**
 WorkOrder No: **1510051** 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
 Sample/Temp Blank temperature Temp: NA
 Water - VOA vials have zero headspace / no bubbles? Yes No NA
 Sample labels checked for correct preservation? Yes No
 pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)? Yes No NA
 Samples Received on Ice? Yes No

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522? Yes No NA
 Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539? Yes No NA

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

 Comments: