

Appendix C. Rain Gage Data and Field Notes

Roofing Materials Assessment: Investigation of Toxic Chemicals in Roof Runoff



February 2014

Supplement to Publication No. 14-03-003

Publication and Contact Information

This appendix is linked as a supplementary document to the report at:
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Persons with a speech disability can call 877-833-6341.*

Rain Gage Data

Date	Time	Rainfall	
		in	mm
1/29/2013	9:45	ND	ND
1/29/2013	10:00	0	0
1/29/2013	10:15	0	0
1/29/2013	10:30	0.01	0.254
1/29/2013	10:45	0	0
1/29/2013	11:00	0	0
1/29/2013	11:15	0	0
1/29/2013	11:30	0	0
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1/29/2013	12:30	0	0
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1/29/2013	13:15	0	0
1/29/2013	13:30	0	0
1/29/2013	13:45	0	0
1/29/2013	14:00	0	0
1/29/2013	14:15	0	0
1/29/2013	14:30	0	0
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1/29/2013	16:30	0	0
1/29/2013	16:45	0	0
1/29/2013	17:00	0	0
1/29/2013	17:15	0	0
1/29/2013	17:30	0	0
1/29/2013	17:45	0	0
1/29/2013	18:00	0	0
1/29/2013	18:15	0	0
1/29/2013	18:30	0	0
1/29/2013	18:45	0	0

Date	Time	Rainfall	
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1/29/2013	19:30	0	0
1/29/2013	19:45	0	0
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1/29/2013	21:00	0	0
1/29/2013	21:15	0	0
1/29/2013	21:30	0	0
1/29/2013	21:45	0	0
1/29/2013	22:00	0	0
1/29/2013	22:15	0	0
1/29/2013	22:30	0	0
1/29/2013	22:45	0	0
1/29/2013	23:00	0	0
1/29/2013	23:15	0	0
1/29/2013	23:30	0	0
1/29/2013	23:45	0	0
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1/30/2013	0:45	0	0
1/30/2013	1:00	0	0
1/30/2013	1:15	0	0
1/30/2013	1:30	0	0
1/30/2013	1:45	0	0
1/30/2013	2:00	0	0
1/30/2013	2:15	0	0
1/30/2013	2:30	0	0
1/30/2013	2:45	0	0
1/30/2013	3:00	0	0
1/30/2013	3:15	0	0
1/30/2013	3:30	0	0
1/30/2013	3:45	0	0
1/30/2013	4:00	0	0
1/30/2013	4:15	0	0
1/30/2013	4:30	0	0

Date	Time	Rainfall	
		in	mm
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1/30/2013	5:15	0	0
1/30/2013	5:30	0	0
1/30/2013	5:45	0	0
1/30/2013	6:00	0.02	0.508
1/30/2013	6:15	0.02	0.508
1/30/2013	6:30	0.02	0.508
1/30/2013	6:45	0.02	0.508
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1/30/2013	7:15	0.01	0.254
1/30/2013	7:30	0.01	0.254
1/30/2013	7:45	0.01	0.254
1/30/2013	8:00	0	0
1/30/2013	8:15	0.01	0.254
1/30/2013	8:30	0.02	0.508
1/30/2013	8:45	0	0
1/30/2013	9:00	0.01	0.254
1/30/2013	9:15	0	0
1/30/2013	9:30	0	0
1/30/2013	9:45	0	0
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1/30/2013	10:15	0	0
1/30/2013	10:30	0.01	0.254
1/30/2013	10:45	0	0
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1/30/2013	11:30	0.01	0.254
1/30/2013	11:45	0.01	0.254
1/30/2013	12:00	0.01	0.254
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1/30/2013	13:00	0	0
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1/30/2013	13:45	0	0
1/30/2013	14:00	0	0
1/30/2013	14:15	0	0

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1/30/2013	15:15	0	0
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1/30/2013	17:15	0	0
1/30/2013	17:30	0	0
1/30/2013	17:45	0.01	0.254
1/30/2013	18:00	0	0
1/30/2013	18:15	0	0
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1/30/2013	22:45	0	0
1/30/2013	23:00	0	0
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1/30/2013	23:45	0	0
1/31/2013	0:00	0	0

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1/31/2013	1:30	0	0
1/31/2013	1:45	0	0
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1/31/2013	9:45	0	0

Date	Time	Rainfall	
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1/31/2013	10:15	0.01	0.254
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1/31/2013	18:30	0	0
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Date	Time	Rainfall	
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2/1/2013	3:45	0	0
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2/1/2013	4:15	0	0
2/1/2013	4:30	0	0
2/1/2013	4:45	0	0
2/1/2013	5:00	0	0
2/1/2013	5:15	0	0

Date	Time	Rainfall	
		in	mm
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2/1/2013	5:45	0	0
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2/1/2013	6:15	0	0
2/1/2013	6:30	0	0
2/1/2013	6:45	0	0
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2/1/2013	7:45	0	0
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2/1/2013	11:45	0	0
2/1/2013	12:00	0	0
2/1/2013	12:15	0	0
2/1/2013	12:30	0	0
2/1/2013	12:45	0	0
2/1/2013	13:00	0	0
2/1/2013	13:15	0	0
2/1/2013	13:30	0	0
2/1/2013	13:45	0	0
2/1/2013	14:00	0	0
2/1/2013	14:15	0	0
2/1/2013	14:30	0	0
2/1/2013	14:45	0	0
2/1/2013	15:00	0	0

Date	Time	Rainfall	
		in	mm
2/1/2013	15:15	0	0
2/1/2013	15:30	0	0
2/1/2013	15:45	0	0
2/1/2013	16:00	0	0
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2/1/2013	16:30	0	0
2/1/2013	16:45	0	0
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2/1/2013	17:45	0	0
2/1/2013	18:00	0	0
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2/1/2013	23:30	0	0
2/1/2013	23:45	0	0
2/2/2013	0:00	0	0
2/2/2013	0:15	0	0
2/2/2013	0:30	0	0
2/2/2013	0:45	0	0

Date	Time	Rainfall	
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2/2/2013	1:15	0	0
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2/2/2013	2:00	0	0
2/2/2013	2:15	0	0
2/2/2013	2:30	0	0
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2/2/2013	3:45	0	0
2/2/2013	4:00	0	0
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2/2/2013	6:15	0	0
2/2/2013	6:30	0	0
2/2/2013	6:45	0	0
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2/2/2013	8:15	0	0
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2/2/2013	9:15	0	0
2/2/2013	9:30	0	0
2/2/2013	9:45	0	0
2/2/2013	10:00	0	0
2/2/2013	10:15	0	0
2/2/2013	10:30	0	0

Date	Time	Rainfall	
		in	mm
2/2/2013	10:45	0	0
2/2/2013	11:00	0	0
2/2/2013	11:15	0	0
2/2/2013	11:30	0	0
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2/2/2013	12:00	0	0
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2/2/2013	19:00	0	0
2/2/2013	19:15	0	0
2/2/2013	19:30	0	0
2/2/2013	19:45	0	0
2/2/2013	20:00	0	0
2/2/2013	20:15	0	0

Date	Time	Rainfall	
		in	mm
2/2/2013	20:30	0	0
2/2/2013	20:45	0	0
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2/2/2013	21:15	0	0
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2/3/2013	0:30	0	0
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2/3/2013	3:00	0	0
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2/3/2013	4:45	0	0
2/3/2013	5:00	0	0
2/3/2013	5:15	0	0
2/3/2013	5:30	0	0
2/3/2013	5:45	0	0
2/3/2013	6:00	0	0

Date	Time	Rainfall	
		in	mm
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2/3/2013	6:30	0	0
2/3/2013	6:45	0	0
2/3/2013	7:00	0	0
2/3/2013	7:15	0	0
2/3/2013	7:30	0	0
2/3/2013	7:45	0	0
2/3/2013	8:00	0	0
2/3/2013	8:15	0	0
2/3/2013	8:30	0	0
2/3/2013	8:45	0	0
2/3/2013	9:00	0	0
2/3/2013	9:15	0	0
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2/3/2013	10:15	0	0
2/3/2013	10:30	0	0
2/3/2013	10:45	0	0
2/3/2013	11:00	0	0
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2/3/2013	14:30	0	0
2/3/2013	14:45	0	0
2/3/2013	15:00	0	0
2/3/2013	15:15	0	0
2/3/2013	15:30	0	0
2/3/2013	15:45	0	0

Date	Time	Rainfall	
		in	mm
2/3/2013	16:00	0	0
2/3/2013	16:15	0	0
2/3/2013	16:30	0	0
2/3/2013	16:45	0	0
2/3/2013	17:00	0	0
2/3/2013	17:15	0	0
2/3/2013	17:30	0	0
2/3/2013	17:45	0	0
2/3/2013	18:00	0	0
2/3/2013	18:15	0	0
2/3/2013	18:30	0	0
2/3/2013	18:45	0	0
2/3/2013	19:00	0	0
2/3/2013	19:15	0	0
2/3/2013	19:30	0	0
2/3/2013	19:45	0	0
2/3/2013	20:00	0	0
2/3/2013	20:15	0	0
2/3/2013	20:30	0	0
2/3/2013	20:45	0	0
2/3/2013	21:00	0	0
2/3/2013	21:15	0	0
2/3/2013	21:30	0	0
2/3/2013	21:45	0	0
2/3/2013	22:00	0	0
2/3/2013	22:15	0	0
2/3/2013	22:30	0	0
2/3/2013	22:45	0	0
2/3/2013	23:00	0	0
2/3/2013	23:15	0	0
2/3/2013	23:30	0	0
2/3/2013	23:45	0	0
2/4/2013	0:00	0	0
2/4/2013	0:15	0	0
2/4/2013	0:30	0	0
2/4/2013	0:45	0	0
2/4/2013	1:00	0	0
2/4/2013	1:15	0	0
2/4/2013	1:30	0	0

Date	Time	Rainfall	
		in	mm
2/4/2013	1:45	0	0
2/4/2013	2:00	0	0
2/4/2013	2:15	0	0
2/4/2013	2:30	0	0
2/4/2013	2:45	0	0
2/4/2013	3:00	0	0
2/4/2013	3:15	0	0
2/4/2013	3:30	0	0
2/4/2013	3:45	0	0
2/4/2013	4:00	0	0
2/4/2013	4:15	0	0
2/4/2013	4:30	0	0
2/4/2013	4:45	0	0
2/4/2013	5:00	0	0
2/4/2013	5:15	0	0
2/4/2013	5:30	0	0
2/4/2013	5:45	0	0
2/4/2013	6:00	0	0
2/4/2013	6:15	0	0
2/4/2013	6:30	0	0
2/4/2013	6:45	0	0
2/4/2013	7:00	0	0
2/4/2013	7:15	0	0
2/4/2013	7:30	0	0
2/4/2013	7:45	0	0
2/4/2013	8:00	0	0
2/4/2013	8:15	0	0
2/4/2013	8:30	0	0
2/4/2013	8:45	0	0
2/4/2013	9:00	0	0
2/4/2013	9:15	0	0
2/4/2013	9:30	0	0
2/4/2013	9:45	0	0
2/4/2013	10:00	0	0
2/4/2013	10:15	0	0
2/4/2013	10:30	0	0
2/4/2013	10:45	0	0
2/4/2013	11:00	0	0
2/4/2013	11:15	0	0

Date	Time	Rainfall	
		in	mm
2/4/2013	11:30	0	0
2/4/2013	11:45	0	0
2/4/2013	12:00	0	0
2/4/2013	12:15	0	0
2/4/2013	12:30	0	0
2/4/2013	12:45	0	0
2/4/2013	13:00	0	0
2/4/2013	13:15	0	0
2/4/2013	13:30	0	0
2/4/2013	13:45	0	0
2/4/2013	14:00	0	0
2/4/2013	14:15	0	0
2/4/2013	14:30	0	0
2/4/2013	14:45	0	0
2/4/2013	15:00	0	0
2/4/2013	15:15	0	0
2/4/2013	15:30	0	0
2/4/2013	15:45	0	0
2/4/2013	16:00	0	0
2/4/2013	16:15	0	0
2/4/2013	16:30	0	0
2/4/2013	16:45	0	0
2/4/2013	17:00	0	0
2/4/2013	17:15	0	0
2/4/2013	17:30	0	0
2/4/2013	17:45	0	0
2/4/2013	18:00	0	0
2/4/2013	18:15	0	0
2/4/2013	18:30	0	0
2/4/2013	18:45	0	0
2/4/2013	19:00	0	0
2/4/2013	19:15	0	0
2/4/2013	19:30	0	0
2/4/2013	19:45	0	0
2/4/2013	20:00	0	0
2/4/2013	20:15	0	0
2/4/2013	20:30	0	0
2/4/2013	20:45	0	0
2/4/2013	21:00	0	0

Date	Time	Rainfall	
		in	mm
2/4/2013	21:15	0	0
2/4/2013	21:30	0	0
2/4/2013	21:45	0	0
2/4/2013	22:00	0	0
2/4/2013	22:15	0	0
2/4/2013	22:30	0	0
2/4/2013	22:45	0	0
2/4/2013	23:00	0	0
2/4/2013	23:15	0	0
2/4/2013	23:30	0	0
2/4/2013	23:45	0	0
2/5/2013	0:00	0	0
2/5/2013	0:15	0	0
2/5/2013	0:30	0	0
2/5/2013	0:45	0	0
2/5/2013	1:00	0	0
2/5/2013	1:15	0	0
2/5/2013	1:30	0	0
2/5/2013	1:45	0	0
2/5/2013	2:00	0	0
2/5/2013	2:15	0	0
2/5/2013	2:30	0	0
2/5/2013	2:45	0	0
2/5/2013	3:00	0	0
2/5/2013	3:15	0	0
2/5/2013	3:30	0	0
2/5/2013	3:45	0	0
2/5/2013	4:00	0.01	0.254
2/5/2013	4:15	0.01	0.254
2/5/2013	4:30	0.01	0.254
2/5/2013	4:45	0.01	0.254
2/5/2013	5:00	0.01	0.254
2/5/2013	5:15	0.01	0.254
2/5/2013	5:30	0	0
2/5/2013	5:45	0	0
2/5/2013	6:00	0	0
2/5/2013	6:15	0.01	0.254
2/5/2013	6:30	0	0
2/5/2013	6:45	0	0

Date	Time	Rainfall	
		in	mm
2/5/2013	7:00	0	0
2/5/2013	7:15	0	0
2/5/2013	7:30	0	0
2/5/2013	7:45	0.02	0.508
2/5/2013	8:00	0	0
2/5/2013	8:15	0	0
2/5/2013	8:30	0	0
2/5/2013	8:45	0	0
2/5/2013	9:00	0	0
2/5/2013	9:15	0	0
2/5/2013	9:30	0	0
2/5/2013	9:45	0	0
2/5/2013	10:00	0	0
2/5/2013	10:15	0.01	0.254
2/5/2013	10:30	0	0
2/5/2013	10:45	0	0
2/5/2013	11:00	0	0
2/5/2013	11:15	0	0
2/5/2013	11:30	0	0
2/5/2013	11:45	0	0
2/5/2013	12:00	0	0
2/5/2013	12:15	0.01	0.254
2/5/2013	12:30	0	0
2/5/2013	12:45	0	0
2/5/2013	13:00	0.01	0.254
2/5/2013	13:15	0	0
2/5/2013	13:30	0	0
2/5/2013	13:45	0	0
2/5/2013	14:00	0	0
2/5/2013	14:15	0	0
2/5/2013	14:30	0	0
2/5/2013	14:45	0.01	0.254
2/5/2013	15:00	0.01	0.254
2/5/2013	15:15	0.01	0.254
2/5/2013	15:30	0	0
2/5/2013	15:45	0	0
2/5/2013	16:00	0.01	0.254
2/5/2013	16:15	0	0
2/5/2013	16:30	0.02	0.508

Date	Time	Rainfall	
		in	mm
2/5/2013	16:45	0	0
2/5/2013	17:00	0	0
2/5/2013	17:15	0	0
2/5/2013	17:30	0	0
2/5/2013	17:45	0	0
2/5/2013	18:00	0.01	0.254
2/5/2013	18:15	0.01	0.254
2/5/2013	18:30	0.01	0.254
2/5/2013	18:45	0	0
2/5/2013	19:00	0	0
2/5/2013	19:15	0	0
2/5/2013	19:30	0	0
2/5/2013	19:45	0	0
2/5/2013	20:00	0	0
2/5/2013	20:15	0.01	0.254
2/5/2013	20:30	0	0
2/5/2013	20:45	0	0
2/5/2013	21:00	0.01	0.254
2/5/2013	21:15	0	0
2/5/2013	21:30	0	0
2/5/2013	21:45	0	0
2/5/2013	22:00	0	0
2/5/2013	22:15	0	0
2/5/2013	22:30	0	0
2/5/2013	22:45	0	0
2/5/2013	23:00	0	0
2/5/2013	23:15	0	0
2/5/2013	23:30	0	0
2/5/2013	23:45	0	0
2/6/2013	0:00	0	0
2/6/2013	0:15	0	0
2/6/2013	0:30	0	0
2/6/2013	0:45	0.02	0.508
2/6/2013	1:00	0.01	0.254
2/6/2013	1:15	0	0
2/6/2013	1:30	0.01	0.254
2/6/2013	1:45	0.01	0.254
2/6/2013	2:00	0.01	0.254
2/6/2013	2:15	0	0

Date	Time	Rainfall	
		in	mm
2/6/2013	2:30	0	0
2/6/2013	2:45	0	0
2/6/2013	3:00	0	0
2/6/2013	3:15	0	0
2/6/2013	3:30	0	0
2/6/2013	3:45	0	0
2/6/2013	4:00	0.01	0.254
2/6/2013	4:15	0	0
2/6/2013	4:30	0	0
2/6/2013	4:45	0	0
2/6/2013	5:00	0	0
2/6/2013	5:15	0	0
2/6/2013	5:30	0	0
2/6/2013	5:45	0.02	0.508
2/6/2013	6:00	0	0
2/6/2013	6:15	0	0
2/6/2013	6:30	0	0
2/6/2013	6:45	0	0
2/6/2013	7:00	0	0
2/6/2013	7:15	0	0
2/6/2013	7:30	0	0
2/6/2013	7:45	0	0
2/6/2013	8:00	0	0
2/6/2013	8:15	0	0
2/6/2013	8:30	0	0
2/6/2013	8:45	0	0
2/6/2013	9:00	0	0
2/6/2013	9:15	0	0
2/6/2013	9:30	0	0
2/6/2013	9:45	0	0
2/6/2013	10:00	0	0
2/6/2013	10:15	0	0
2/6/2013	10:30	0	0
2/6/2013	10:45	0	0
2/6/2013	11:00	0	0
2/6/2013	11:15	0	0
2/6/2013	11:30	0	0
2/6/2013	11:45	0	0
2/6/2013	12:00	0	0

Date	Time	Rainfall	
		in	mm
2/6/2013	12:15	0	0
2/6/2013	12:30	0	0
2/6/2013	12:45	0	0
2/6/2013	13:00	0	0
2/6/2013	13:15	0	0
2/6/2013	13:30	0	0
2/6/2013	13:45	0	0
2/6/2013	14:00	0	0
2/6/2013	14:15	0	0
2/6/2013	14:30	0	0
2/6/2013	14:45	0	0
2/6/2013	15:00	0	0
2/6/2013	15:15	0	0
2/6/2013	15:30	0	0
2/6/2013	15:45	0	0
2/6/2013	16:00	0	0
2/6/2013	16:15	0.01	0.254
2/6/2013	16:30	0	0
2/6/2013	16:45	0	0
2/6/2013	17:00	0	0
2/6/2013	17:15	0	0
2/6/2013	17:30	0	0
2/6/2013	17:45	0	0
2/6/2013	18:00	0	0
2/6/2013	18:15	0	0
2/6/2013	18:30	0	0
2/6/2013	18:45	0	0
2/6/2013	19:00	0	0
2/6/2013	19:15	0	0
2/6/2013	19:30	0	0
2/6/2013	19:45	0	0
2/6/2013	20:00	0	0
2/6/2013	20:15	0	0
2/6/2013	20:30	0	0
2/6/2013	20:45	0	0
2/6/2013	21:00	0	0
2/6/2013	21:15	0	0
2/6/2013	21:30	0	0
2/6/2013	21:45	0	0

Date	Time	Rainfall	
		in	mm
2/6/2013	22:00	0	0
2/6/2013	22:15	0	0
2/6/2013	22:30	0	0
2/6/2013	22:45	0.01	0.254
2/6/2013	23:00	0	0
2/6/2013	23:15	0	0
2/6/2013	23:30	0	0
2/6/2013	23:45	0	0
2/7/2013	0:00	0.03	0.762
2/7/2013	0:15	0.02	0.508
2/7/2013	0:30	0	0
2/7/2013	0:45	0	0
2/7/2013	1:00	0	0
2/7/2013	1:15	0	0
2/7/2013	1:30	0	0
2/7/2013	1:45	0	0
2/7/2013	2:00	0	0
2/7/2013	2:15	0	0
2/7/2013	2:30	0	0
2/7/2013	2:45	0	0
2/7/2013	3:00	0	0
2/7/2013	3:15	0	0
2/7/2013	3:30	0	0
2/7/2013	3:45	0	0
2/7/2013	4:00	0	0
2/7/2013	4:15	0	0
2/7/2013	4:30	0	0
2/7/2013	4:45	0	0
2/7/2013	5:00	0	0
2/7/2013	5:15	0	0
2/7/2013	5:30	0	0
2/7/2013	5:45	0	0
2/7/2013	6:00	0	0
2/7/2013	6:15	0	0
2/7/2013	6:30	0	0
2/7/2013	6:45	0	0
2/7/2013	7:00	0	0
2/7/2013	7:15	0	0
2/7/2013	7:30	0	0

Date	Time	Rainfall	
		in	mm
2/7/2013	7:45	0	0
2/7/2013	8:00	0	0
2/7/2013	8:15	0	0
2/7/2013	8:30	0	0
2/7/2013	8:45	0	0
2/7/2013	9:00	0	0
2/7/2013	9:15	0	0
2/7/2013	9:30	0	0
2/7/2013	9:45	0	0
2/7/2013	10:00	0	0
2/7/2013	10:15	0	0
2/7/2013	10:30	0	0
2/7/2013	10:45	0	0
2/7/2013	11:00	0	0
2/7/2013	11:15	0	0
2/7/2013	11:30	0	0
2/7/2013	11:45	0	0
2/7/2013	12:00	0	0
2/7/2013	12:15	0	0
2/7/2013	12:30	0	0
2/7/2013	12:45	0	0
2/7/2013	13:00	0	0
2/7/2013	13:15	0	0
2/7/2013	13:30	0	0
2/7/2013	13:45	0	0
2/7/2013	14:00	0	0
2/7/2013	14:15	0	0
2/7/2013	14:30	0	0
2/7/2013	14:45	0	0
2/7/2013	15:00	0	0
2/7/2013	15:15	0	0
2/7/2013	15:30	0.01	0.254
2/7/2013	15:45	0	0
2/7/2013	16:00	0	0
2/7/2013	16:15	0	0
2/7/2013	16:30	0	0
2/7/2013	16:45	0	0
2/7/2013	17:00	0	0
2/7/2013	17:15	0	0

Date	Time	Rainfall	
		in	mm
2/7/2013	17:30	0	0
2/7/2013	17:45	0	0
2/7/2013	18:00	0	0
2/7/2013	18:15	0	0
2/7/2013	18:30	0	0
2/7/2013	18:45	0	0
2/7/2013	19:00	0	0
2/7/2013	19:15	0	0
2/7/2013	19:30	0	0
2/7/2013	19:45	0	0
2/7/2013	20:00	0	0
2/7/2013	20:15	0	0
2/7/2013	20:30	0	0
2/7/2013	20:45	0	0
2/7/2013	21:00	0	0
2/7/2013	21:15	0	0
2/7/2013	21:30	0	0
2/7/2013	21:45	0	0
2/7/2013	22:00	0	0
2/7/2013	22:15	0	0
2/7/2013	22:30	0	0
2/7/2013	22:45	0	0
2/7/2013	23:00	0	0
2/7/2013	23:15	0	0
2/7/2013	23:30	0	0
2/7/2013	23:45	0	0
2/8/2013	0:00	0	0
2/8/2013	0:15	0	0
2/8/2013	0:30	0	0
2/8/2013	0:45	0	0
2/8/2013	1:00	0	0
2/8/2013	1:15	0	0
2/8/2013	1:30	0	0
2/8/2013	1:45	0	0
2/8/2013	2:00	0	0
2/8/2013	2:15	0	0
2/8/2013	2:30	0	0
2/8/2013	2:45	0	0
2/8/2013	3:00	0	0

Date	Time	Rainfall	
		in	mm
2/8/2013	3:15	0	0
2/8/2013	3:30	0	0
2/8/2013	3:45	0	0
2/8/2013	4:00	0	0
2/8/2013	4:15	0	0
2/8/2013	4:30	0	0
2/8/2013	4:45	0	0
2/8/2013	5:00	0	0
2/8/2013	5:15	0	0
2/8/2013	5:30	0	0
2/8/2013	5:45	0	0
2/8/2013	6:00	0	0
2/8/2013	6:15	0	0
2/8/2013	6:30	0	0
2/8/2013	6:45	0	0
2/8/2013	7:00	0	0
2/8/2013	7:15	0	0
2/8/2013	7:30	0	0
2/8/2013	7:45	0	0
2/8/2013	8:00	0	0
2/8/2013	8:15	0	0
2/8/2013	8:30	0	0
2/8/2013	8:45	0	0
2/8/2013	9:00	0	0
2/8/2013	9:15	0	0
2/8/2013	9:30	0	0
2/8/2013	9:45	0	0
2/8/2013	10:00	0	0
2/8/2013	10:15	0	0
2/8/2013	10:30	0	0
2/8/2013	10:45	0	0
2/8/2013	11:00	0	0
2/8/2013	11:15	0	0
2/8/2013	11:30	0	0
2/8/2013	11:45	0	0
2/8/2013	12:00	0	0
2/8/2013	12:15	0	0
2/8/2013	12:30	0	0
2/8/2013	12:45	0	0

Date	Time	Rainfall	
		in	mm
2/8/2013	13:00	0	0
2/8/2013	13:15	0	0
2/8/2013	13:30	0	0
2/8/2013	13:45	0	0
2/8/2013	14:00	0	0
2/8/2013	14:15	0	0
2/8/2013	14:30	0	0
2/8/2013	14:45	0	0
2/8/2013	15:00	0	0
2/8/2013	15:15	0	0
2/8/2013	15:30	0	0
2/8/2013	15:45	0	0
2/8/2013	16:00	0	0
2/8/2013	16:15	0	0
2/8/2013	16:30	0	0
2/8/2013	16:45	0	0
2/8/2013	17:00	0	0
2/8/2013	17:15	0	0
2/8/2013	17:30	0	0
2/8/2013	17:45	0	0
2/8/2013	18:00	0	0
2/8/2013	18:15	0	0
2/8/2013	18:30	0	0
2/8/2013	18:45	0	0
2/8/2013	19:00	0	0
2/8/2013	19:15	0	0
2/8/2013	19:30	0	0
2/8/2013	19:45	0	0
2/8/2013	20:00	0	0
2/8/2013	20:15	0	0
2/8/2013	20:30	0	0
2/8/2013	20:45	0	0
2/8/2013	21:00	0	0
2/8/2013	21:15	0	0
2/8/2013	21:30	0	0
2/8/2013	21:45	0	0
2/8/2013	22:00	0	0
2/8/2013	22:15	0	0
2/8/2013	22:30	0	0

Date	Time	Rainfall	
		in	mm
2/8/2013	22:45	0	0
2/8/2013	23:00	0	0
2/8/2013	23:15	0	0
2/8/2013	23:30	0	0
2/8/2013	23:45	0	0
2/9/2013	0:00	0	0
2/9/2013	0:15	0	0
2/9/2013	0:30	0	0
2/9/2013	0:45	0	0
2/9/2013	1:00	0	0
2/9/2013	1:15	0	0
2/9/2013	1:30	0	0
2/9/2013	1:45	0	0
2/9/2013	2:00	0	0
2/9/2013	2:15	0	0
2/9/2013	2:30	0	0
2/9/2013	2:45	0	0
2/9/2013	3:00	0	0
2/9/2013	3:15	0	0
2/9/2013	3:30	0	0
2/9/2013	3:45	0	0
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2/9/2013	4:15	0	0
2/9/2013	4:30	0	0
2/9/2013	4:45	0	0
2/9/2013	5:00	0	0
2/9/2013	5:15	0	0
2/9/2013	5:30	0	0
2/9/2013	5:45	0	0
2/9/2013	6:00	0	0
2/9/2013	6:15	0	0
2/9/2013	6:30	0	0
2/9/2013	6:45	0	0
2/9/2013	7:00	0	0
2/9/2013	7:15	0	0
2/9/2013	7:30	0	0
2/9/2013	7:45	0	0
2/9/2013	8:00	0	0
2/9/2013	8:15	0	0

Date	Time	Rainfall	
		in	mm
2/9/2013	8:30	0	0
2/9/2013	8:45	0	0
2/9/2013	9:00	0	0
2/9/2013	9:15	0	0
2/9/2013	9:30	0	0
2/9/2013	9:45	0	0
2/9/2013	10:00	0	0
2/9/2013	10:15	0	0
2/9/2013	10:30	0	0
2/9/2013	10:45	0	0
2/9/2013	11:00	0	0
2/9/2013	11:15	0	0
2/9/2013	11:30	0	0
2/9/2013	11:45	0	0
2/9/2013	12:00	0	0
2/9/2013	12:15	0	0
2/9/2013	12:30	0	0
2/9/2013	12:45	0	0
2/9/2013	13:00	0	0
2/9/2013	13:15	0	0
2/9/2013	13:30	0	0
2/9/2013	13:45	0	0
2/9/2013	14:00	0	0
2/9/2013	14:15	0	0
2/9/2013	14:30	0	0
2/9/2013	14:45	0	0
2/9/2013	15:00	0	0
2/9/2013	15:15	0	0
2/9/2013	15:30	0	0
2/9/2013	15:45	0	0
2/9/2013	16:00	0	0
2/9/2013	16:15	0	0
2/9/2013	16:30	0	0
2/9/2013	16:45	0	0
2/9/2013	17:00	0	0
2/9/2013	17:15	0	0
2/9/2013	17:30	0	0
2/9/2013	17:45	0	0
2/9/2013	18:00	0	0

Date	Time	Rainfall	
		in	mm
2/9/2013	18:15	0	0
2/9/2013	18:30	0	0
2/9/2013	18:45	0	0
2/9/2013	19:00	0	0
2/9/2013	19:15	0	0
2/9/2013	19:30	0	0
2/9/2013	19:45	0	0
2/9/2013	20:00	0	0
2/9/2013	20:15	0	0
2/9/2013	20:30	0	0
2/9/2013	20:45	0	0
2/9/2013	21:00	0	0
2/9/2013	21:15	0	0
2/9/2013	21:30	0	0
2/9/2013	21:45	0	0
2/9/2013	22:00	0	0
2/9/2013	22:15	0	0
2/9/2013	22:30	0	0
2/9/2013	22:45	0	0
2/9/2013	23:00	0	0
2/9/2013	23:15	0	0
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2/9/2013	23:45	0	0
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2/10/2013	0:30	0	0
2/10/2013	0:45	0	0
2/10/2013	1:00	0	0
2/10/2013	1:15	0	0
2/10/2013	1:30	0	0
2/10/2013	1:45	0	0
2/10/2013	2:00	0	0
2/10/2013	2:15	0	0
2/10/2013	2:30	0	0
2/10/2013	2:45	0	0
2/10/2013	3:00	0	0
2/10/2013	3:15	0	0
2/10/2013	3:30	0	0
2/10/2013	3:45	0	0

Date	Time	Rainfall	
		in	mm
2/10/2013	4:00	0	0
2/10/2013	4:15	0	0
2/10/2013	4:30	0	0
2/10/2013	4:45	0	0
2/10/2013	5:00	0	0
2/10/2013	5:15	0	0
2/10/2013	5:30	0	0
2/10/2013	5:45	0	0
2/10/2013	6:00	0	0
2/10/2013	6:15	0	0
2/10/2013	6:30	0	0
2/10/2013	6:45	0	0
2/10/2013	7:00	0	0
2/10/2013	7:15	0	0
2/10/2013	7:30	0	0
2/10/2013	7:45	0	0
2/10/2013	8:00	0	0
2/10/2013	8:15	0	0
2/10/2013	8:30	0	0
2/10/2013	8:45	0	0
2/10/2013	9:00	0	0
2/10/2013	9:15	0	0
2/10/2013	9:30	0	0
2/10/2013	9:45	0	0
2/10/2013	10:00	0	0
2/10/2013	10:15	0	0
2/10/2013	10:30	0	0
2/10/2013	10:45	0	0
2/10/2013	11:00	0	0
2/10/2013	11:15	0	0
2/10/2013	11:30	0	0
2/10/2013	11:45	0	0
2/10/2013	12:00	0	0
2/10/2013	12:15	0	0
2/10/2013	12:30	0	0
2/10/2013	12:45	0	0
2/10/2013	13:00	0	0
2/10/2013	13:15	0	0
2/10/2013	13:30	0	0

Date	Time	Rainfall	
		in	mm
2/10/2013	13:45	0	0
2/10/2013	14:00	0	0
2/10/2013	14:15	0	0
2/10/2013	14:30	0	0
2/10/2013	14:45	0	0
2/10/2013	15:00	0	0
2/10/2013	15:15	0	0
2/10/2013	15:30	0	0
2/10/2013	15:45	0	0
2/10/2013	16:00	0	0
2/10/2013	16:15	0	0
2/10/2013	16:30	0	0
2/10/2013	16:45	0	0
2/10/2013	17:00	0	0
2/10/2013	17:15	0	0
2/10/2013	17:30	0	0
2/10/2013	17:45	0	0
2/10/2013	18:00	0	0
2/10/2013	18:15	0	0
2/10/2013	18:30	0	0
2/10/2013	18:45	0	0
2/10/2013	19:00	0	0
2/10/2013	19:15	0	0
2/10/2013	19:30	0	0
2/10/2013	19:45	0	0
2/10/2013	20:00	0	0
2/10/2013	20:15	0	0
2/10/2013	20:30	0	0
2/10/2013	20:45	0	0
2/10/2013	21:00	0	0
2/10/2013	21:15	0	0
2/10/2013	21:30	0	0
2/10/2013	21:45	0	0
2/10/2013	22:00	0	0
2/10/2013	22:15	0	0
2/10/2013	22:30	0	0
2/10/2013	22:45	0	0
2/10/2013	23:00	0	0
2/10/2013	23:15	0	0

Date	Time	Rainfall	
		in	mm
2/10/2013	23:30	0	0
2/10/2013	23:45	0	0
2/11/2013	0:00	0	0
2/11/2013	0:15	0	0
2/11/2013	0:30	0	0
2/11/2013	0:45	0	0
2/11/2013	1:00	0	0
2/11/2013	1:15	0	0
2/11/2013	1:30	0	0
2/11/2013	1:45	0	0
2/11/2013	2:00	0	0
2/11/2013	2:15	0	0
2/11/2013	2:30	0	0
2/11/2013	2:45	0	0
2/11/2013	3:00	0	0
2/11/2013	3:15	0	0
2/11/2013	3:30	0	0
2/11/2013	3:45	0	0
2/11/2013	4:00	0	0
2/11/2013	4:15	0	0
2/11/2013	4:30	0	0
2/11/2013	4:45	0	0
2/11/2013	5:00	0	0
2/11/2013	5:15	0	0
2/11/2013	5:30	0	0
2/11/2013	5:45	0	0
2/11/2013	6:00	0	0
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2/11/2013	6:30	0	0
2/11/2013	6:45	0	0
2/11/2013	7:00	0	0
2/11/2013	7:15	0	0
2/11/2013	7:30	0	0
2/11/2013	7:45	0	0
2/11/2013	8:00	0	0
2/11/2013	8:15	0	0
2/11/2013	8:30	0	0
2/11/2013	8:45	0	0
2/11/2013	9:00	0	0

Date	Time	Rainfall	
		in	mm
2/11/2013	9:15	0	0
2/11/2013	9:30	0	0
2/11/2013	9:45	0	0
2/11/2013	10:00	0	0
2/11/2013	10:15	0	0
2/11/2013	10:30	0	0
2/11/2013	10:45	0	0
2/11/2013	11:00	0	0
2/11/2013	11:15	0	0
2/11/2013	11:30	0	0
2/11/2013	11:45	0	0
2/11/2013	12:00	0	0
2/11/2013	12:15	0	0
2/11/2013	12:30	0	0
2/11/2013	12:45	0	0
2/11/2013	13:00	0	0
2/11/2013	13:15	0	0
2/11/2013	13:30	0	0
2/11/2013	13:45	0	0
2/11/2013	14:00	0	0
2/11/2013	14:15	0	0
2/11/2013	14:30	0	0
2/11/2013	14:45	0	0
2/11/2013	15:00	0	0
2/11/2013	15:15	0	0
2/11/2013	15:30	0	0
2/11/2013	15:45	0	0
2/11/2013	16:00	0	0
2/11/2013	16:15	0	0
2/11/2013	16:30	0.01	0.254
2/11/2013	16:45	0	0
2/11/2013	17:00	0.01	0.254
2/11/2013	17:15	0	0
2/11/2013	17:30	0	0
2/11/2013	17:45	0.02	0.508
2/11/2013	18:00	0.01	0.254
2/11/2013	18:15	0	0
2/11/2013	18:30	0	0
2/11/2013	18:45	0	0

Date	Time	Rainfall	
		in	mm
2/11/2013	19:00	0	0
2/11/2013	19:15	0	0
2/11/2013	19:30	0	0
2/11/2013	19:45	0	0
2/11/2013	20:00	0	0
2/11/2013	20:15	0	0
2/11/2013	20:30	0	0
2/11/2013	20:45	0	0
2/11/2013	21:00	0	0
2/11/2013	21:15	0	0
2/11/2013	21:30	0	0
2/11/2013	21:45	0	0
2/11/2013	22:00	0	0
2/11/2013	22:15	0.01	0.254
2/11/2013	22:30	0	0
2/11/2013	22:45	0	0
2/11/2013	23:00	0	0
2/11/2013	23:15	0	0
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2/11/2013	23:45	0	0
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2/12/2013	0:15	0	0
2/12/2013	0:30	0	0
2/12/2013	0:45	0	0
2/12/2013	1:00	0	0
2/12/2013	1:15	0	0
2/12/2013	1:30	0	0
2/12/2013	1:45	0	0
2/12/2013	2:00	0	0
2/12/2013	2:15	0	0
2/12/2013	2:30	0	0
2/12/2013	2:45	0	0
2/12/2013	3:00	0	0
2/12/2013	3:15	0	0
2/12/2013	3:30	0	0
2/12/2013	3:45	0	0
2/12/2013	4:00	0	0
2/12/2013	4:15	0	0
2/12/2013	4:30	0	0

Date	Time	Rainfall	
		in	mm
2/12/2013	4:45	0	0
2/12/2013	5:00	0	0
2/12/2013	5:15	0	0
2/12/2013	5:30	0	0
2/12/2013	5:45	0	0
2/12/2013	6:00	0	0
2/12/2013	6:15	0.01	0.254
2/12/2013	6:30	0	0
2/12/2013	6:45	0	0
2/12/2013	7:00	0	0
2/12/2013	7:15	0	0
2/12/2013	7:30	0	0
2/12/2013	7:45	0	0
2/12/2013	8:00	0	0
2/12/2013	8:15	0	0
2/12/2013	8:30	0	0
2/12/2013	8:45	0	0
2/12/2013	9:00	0	0
2/12/2013	9:15	0	0
2/12/2013	9:30	0	0
2/12/2013	9:45	0	0
2/12/2013	10:00	0	0
2/12/2013	10:15	0	0
2/12/2013	10:30	0	0
2/12/2013	10:45	0	0
2/12/2013	11:00	0	0
2/12/2013	11:15	0	0
2/12/2013	11:30	0	0
2/12/2013	11:45	0	0
2/12/2013	12:00	0	0
2/12/2013	12:15	0	0
2/12/2013	12:30	0	0
2/12/2013	12:45	0	0
2/12/2013	13:00	0	0
2/12/2013	13:15	0	0
2/12/2013	13:30	0	0
2/12/2013	13:45	0	0
2/12/2013	14:00	0	0
2/12/2013	14:15	0	0

Date	Time	Rainfall	
		in	mm
2/12/2013	14:30	0	0
2/12/2013	14:45	0	0
2/12/2013	15:00	0	0
2/12/2013	15:15	0	0
2/12/2013	15:30	0	0
2/12/2013	15:45	0	0
2/12/2013	16:00	0	0
2/12/2013	16:15	0	0
2/12/2013	16:30	0	0
2/12/2013	16:45	0	0
2/12/2013	17:00	0	0
2/12/2013	17:15	0	0
2/12/2013	17:30	0	0
2/12/2013	17:45	0	0
2/12/2013	18:00	0	0
2/12/2013	18:15	0	0
2/12/2013	18:30	0	0
2/12/2013	18:45	0	0
2/12/2013	19:00	0	0
2/12/2013	19:15	0	0
2/12/2013	19:30	0	0
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2/12/2013	20:00	0	0
2/12/2013	20:15	0	0
2/12/2013	20:30	0	0
2/12/2013	20:45	0	0
2/12/2013	21:00	0	0
2/12/2013	21:15	0	0
2/12/2013	21:30	0	0
2/12/2013	21:45	0	0
2/12/2013	22:00	0	0
2/12/2013	22:15	0	0
2/12/2013	22:30	0	0
2/12/2013	22:45	0	0
2/12/2013	23:00	0	0
2/12/2013	23:15	0	0
2/12/2013	23:30	0	0
2/12/2013	23:45	0	0
2/13/2013	0:00	0	0

Date	Time	Rainfall	
		in	mm
2/13/2013	0:15	0	0
2/13/2013	0:30	0	0
2/13/2013	0:45	0	0
2/13/2013	1:00	0	0
2/13/2013	1:15	0	0
2/13/2013	1:30	0	0
2/13/2013	1:45	0	0
2/13/2013	2:00	0	0
2/13/2013	2:15	0	0
2/13/2013	2:30	0	0
2/13/2013	2:45	0	0
2/13/2013	3:00	0	0
2/13/2013	3:15	0	0
2/13/2013	3:30	0	0
2/13/2013	3:45	0	0
2/13/2013	4:00	0	0
2/13/2013	4:15	0	0
2/13/2013	4:30	0	0
2/13/2013	4:45	0	0
2/13/2013	5:00	0	0
2/13/2013	5:15	0	0
2/13/2013	5:30	0	0
2/13/2013	5:45	0	0
2/13/2013	6:00	0	0
2/13/2013	6:15	0	0
2/13/2013	6:30	0	0
2/13/2013	6:45	0	0
2/13/2013	7:00	0	0
2/13/2013	7:15	0	0
2/13/2013	7:30	0	0
2/13/2013	7:45	0	0
2/13/2013	8:00	0	0
2/13/2013	8:15	0	0
2/13/2013	8:30	0	0
2/13/2013	8:45	0	0
2/13/2013	9:00	0	0
2/13/2013	9:15	0	0
2/13/2013	9:30	0	0
2/13/2013	9:45	0	0

Date	Time	Rainfall	
		in	mm
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2/13/2013	10:15	0	0
2/13/2013	10:30	0	0
2/13/2013	10:45	0	0
2/13/2013	11:00	0	0
2/13/2013	11:15	0	0
2/13/2013	11:30	0	0
2/13/2013	11:45	0	0
2/13/2013	12:00	0	0
2/13/2013	12:15	0	0
2/13/2013	12:30	0	0
2/13/2013	12:45	0	0
2/13/2013	13:00	0	0
2/13/2013	13:15	0	0
2/13/2013	13:30	0	0
2/13/2013	13:45	0	0
2/13/2013	14:00	0	0
2/13/2013	14:15	0	0
2/13/2013	14:30	0	0
2/13/2013	14:45	0	0
2/13/2013	15:00	0	0
2/13/2013	15:15	0	0
2/13/2013	15:30	0	0
2/13/2013	15:45	0	0
2/13/2013	16:00	0	0
2/13/2013	16:15	0	0
2/13/2013	16:30	0	0
2/13/2013	16:45	0	0
2/13/2013	17:00	0	0
2/13/2013	17:15	0	0
2/13/2013	17:30	0	0
2/13/2013	17:45	0	0
2/13/2013	18:00	0	0
2/13/2013	18:15	0	0
2/13/2013	18:30	0	0
2/13/2013	18:45	0	0
2/13/2013	19:00	0	0
2/13/2013	19:15	0	0
2/13/2013	19:30	0	0

Date	Time	Rainfall	
		in	mm
2/13/2013	19:45	0	0
2/13/2013	20:00	0	0
2/13/2013	20:15	0	0
2/13/2013	20:30	0	0
2/13/2013	20:45	0	0
2/13/2013	21:00	0	0
2/13/2013	21:15	0	0
2/13/2013	21:30	0	0
2/13/2013	21:45	0	0
2/13/2013	22:00	0	0
2/13/2013	22:15	0	0
2/13/2013	22:30	0	0
2/13/2013	22:45	0	0
2/13/2013	23:00	0	0
2/13/2013	23:15	0	0
2/13/2013	23:30	0	0
2/13/2013	23:45	0	0
2/14/2013	0:00	0	0
2/14/2013	0:15	0	0
2/14/2013	0:30	0	0
2/14/2013	0:45	0	0
2/14/2013	1:00	0	0
2/14/2013	1:15	0	0
2/14/2013	1:30	0	0
2/14/2013	1:45	0	0
2/14/2013	2:00	0	0
2/14/2013	2:15	0	0
2/14/2013	2:30	0	0
2/14/2013	2:45	0	0
2/14/2013	3:00	0	0
2/14/2013	3:15	0	0
2/14/2013	3:30	0	0
2/14/2013	3:45	0	0
2/14/2013	4:00	0	0
2/14/2013	4:15	0	0
2/14/2013	4:30	0	0
2/14/2013	4:45	0	0
2/14/2013	5:00	0	0
2/14/2013	5:15	0	0

Date	Time	Rainfall	
		in	mm
2/14/2013	5:30	0	0
2/14/2013	5:45	0	0
2/14/2013	6:00	0	0
2/14/2013	6:15	0	0
2/14/2013	6:30	0	0
2/14/2013	6:45	0	0
2/14/2013	7:00	0	0
2/14/2013	7:15	0	0
2/14/2013	7:30	0	0
2/14/2013	7:45	0	0
2/14/2013	8:00	0	0
2/14/2013	8:15	0	0
2/14/2013	8:30	0	0
2/14/2013	8:45	0	0
2/14/2013	9:00	0	0
2/14/2013	9:15	0	0
2/14/2013	9:30	0	0
2/14/2013	9:45	0	0
2/14/2013	10:00	0	0
2/14/2013	10:15	0	0
2/14/2013	10:30	0	0
2/14/2013	10:45	0	0
2/14/2013	11:00	0	0
2/14/2013	11:15	0	0
2/14/2013	11:30	0	0
2/14/2013	11:45	0	0
2/14/2013	12:00	0	0
2/14/2013	12:15	0	0
2/14/2013	12:30	0	0
2/14/2013	12:45	0	0
2/14/2013	13:00	0	0
2/14/2013	13:15	0	0
2/14/2013	13:30	0	0
2/14/2013	13:45	0	0
2/14/2013	14:00	0	0
2/14/2013	14:15	0	0
2/14/2013	14:30	0	0
2/14/2013	14:45	0	0
2/14/2013	15:00	0	0

Date	Time	Rainfall	
		in	mm
2/14/2013	15:15	0	0
2/14/2013	15:30	0	0
2/14/2013	15:45	0	0
2/14/2013	16:00	0.01	0.254
2/14/2013	16:15	0	0
2/14/2013	16:30	0	0
2/14/2013	16:45	0	0
2/14/2013	17:00	0	0
2/14/2013	17:15	0	0
2/14/2013	17:30	0	0
2/14/2013	17:45	0	0
2/14/2013	18:00	0	0
2/14/2013	18:15	0	0
2/14/2013	18:30	0	0
2/14/2013	18:45	0	0
2/14/2013	19:00	0	0
2/14/2013	19:15	0	0
2/14/2013	19:30	0	0
2/14/2013	19:45	0	0
2/14/2013	20:00	0	0
2/14/2013	20:15	0	0
2/14/2013	20:30	0	0
2/14/2013	20:45	0	0
2/14/2013	21:00	0	0
2/14/2013	21:15	0	0
2/14/2013	21:30	0	0
2/14/2013	21:45	0	0
2/14/2013	22:00	0	0
2/14/2013	22:15	0	0
2/14/2013	22:30	0	0
2/14/2013	22:45	0	0
2/14/2013	23:00	0	0
2/14/2013	23:15	0	0
2/14/2013	23:30	0	0
2/14/2013	23:45	0	0
2/15/2013	0:00	0	0
2/15/2013	0:15	0	0
2/15/2013	0:30	0	0
2/15/2013	0:45	0	0

Date	Time	Rainfall	
		in	mm
2/15/2013	1:00	0	0
2/15/2013	1:15	0	0
2/15/2013	1:30	0	0
2/15/2013	1:45	0	0
2/15/2013	2:00	0	0
2/15/2013	2:15	0	0
2/15/2013	2:30	0	0
2/15/2013	2:45	0	0
2/15/2013	3:00	0	0
2/15/2013	3:15	0	0
2/15/2013	3:30	0	0
2/15/2013	3:45	0	0
2/15/2013	4:00	0	0
2/15/2013	4:15	0	0
2/15/2013	4:30	0	0
2/15/2013	4:45	0	0
2/15/2013	5:00	0	0
2/15/2013	5:15	0	0
2/15/2013	5:30	0	0
2/15/2013	5:45	0	0
2/15/2013	6:00	0	0
2/15/2013	6:15	0	0
2/15/2013	6:30	0	0
2/15/2013	6:45	0	0
2/15/2013	7:00	0	0
2/15/2013	7:15	0	0
2/15/2013	7:30	0	0
2/15/2013	7:45	0	0
2/15/2013	8:00	0	0
2/15/2013	8:15	0	0
2/15/2013	8:30	0	0
2/15/2013	8:45	0	0
2/15/2013	9:00	0	0
2/15/2013	9:15	0	0
2/15/2013	9:30	0	0
2/15/2013	9:45	0	0
2/15/2013	10:00	0	0
2/15/2013	10:15	0	0
2/15/2013	10:30	0	0

Date	Time	Rainfall	
		in	mm
2/15/2013	10:45	0	0
2/15/2013	11:00	0	0
2/15/2013	11:15	0	0
2/15/2013	11:30	0	0
2/15/2013	11:45	0	0
2/15/2013	12:00	0	0
2/15/2013	12:15	0	0
2/15/2013	12:30	0	0
2/15/2013	12:45	0	0
2/15/2013	13:00	0	0
2/15/2013	13:15	0	0
2/15/2013	13:30	0	0
2/15/2013	13:45	0	0
2/15/2013	14:00	0	0
2/15/2013	14:15	0	0
2/15/2013	14:30	0	0
2/15/2013	14:45	0	0
2/15/2013	15:00	0	0
2/15/2013	15:15	0	0
2/15/2013	15:30	0	0
2/15/2013	15:45	0	0
2/15/2013	16:00	0	0
2/15/2013	16:15	0	0
2/15/2013	16:30	0	0
2/15/2013	16:45	0	0
2/15/2013	17:00	0	0
2/15/2013	17:15	0	0
2/15/2013	17:30	0	0
2/15/2013	17:45	0	0
2/15/2013	18:00	0	0
2/15/2013	18:15	0	0
2/15/2013	18:30	0	0
2/15/2013	18:45	0	0
2/15/2013	19:00	0	0
2/15/2013	19:15	0	0
2/15/2013	19:30	0	0
2/15/2013	19:45	0	0
2/15/2013	20:00	0	0
2/15/2013	20:15	0	0

Date	Time	Rainfall	
		in	mm
2/15/2013	20:30	0	0
2/15/2013	20:45	0	0
2/15/2013	21:00	0	0
2/15/2013	21:15	0	0
2/15/2013	21:30	0	0
2/15/2013	21:45	0	0
2/15/2013	22:00	0	0
2/15/2013	22:15	0	0
2/15/2013	22:30	0	0
2/15/2013	22:45	0	0
2/15/2013	23:00	0	0
2/15/2013	23:15	0	0
2/15/2013	23:30	0	0
2/15/2013	23:45	0	0
2/16/2013	0:00	0	0
2/16/2013	0:15	0	0
2/16/2013	0:30	0	0
2/16/2013	0:45	0	0
2/16/2013	1:00	0	0
2/16/2013	1:15	0	0
2/16/2013	1:30	0	0
2/16/2013	1:45	0	0
2/16/2013	2:00	0	0
2/16/2013	2:15	0	0
2/16/2013	2:30	0	0
2/16/2013	2:45	0	0
2/16/2013	3:00	0	0
2/16/2013	3:15	0	0
2/16/2013	3:30	0	0
2/16/2013	3:45	0	0
2/16/2013	4:00	0	0
2/16/2013	4:15	0	0
2/16/2013	4:30	0	0
2/16/2013	4:45	0	0
2/16/2013	5:00	0	0
2/16/2013	5:15	0	0
2/16/2013	5:30	0	0
2/16/2013	5:45	0	0
2/16/2013	6:00	0	0

Date	Time	Rainfall	
		in	mm
2/16/2013	6:15	0	0
2/16/2013	6:30	0	0
2/16/2013	6:45	0	0
2/16/2013	7:00	0	0
2/16/2013	7:15	0	0
2/16/2013	7:30	0	0
2/16/2013	7:45	0	0
2/16/2013	8:00	0	0
2/16/2013	8:15	0	0
2/16/2013	8:30	0	0
2/16/2013	8:45	0	0
2/16/2013	9:00	0	0
2/16/2013	9:15	0	0
2/16/2013	9:30	0	0
2/16/2013	9:45	0	0
2/16/2013	10:00	0	0
2/16/2013	10:15	0	0
2/16/2013	10:30	0	0
2/16/2013	10:45	0	0
2/16/2013	11:00	0	0
2/16/2013	11:15	0	0
2/16/2013	11:30	0	0
2/16/2013	11:45	0	0
2/16/2013	12:00	0	0
2/16/2013	12:15	0	0
2/16/2013	12:30	0	0
2/16/2013	12:45	0	0
2/16/2013	13:00	0	0
2/16/2013	13:15	0	0
2/16/2013	13:30	0	0
2/16/2013	13:45	0	0
2/16/2013	14:00	0	0
2/16/2013	14:15	0	0
2/16/2013	14:30	0	0
2/16/2013	14:45	0	0
2/16/2013	15:00	0	0
2/16/2013	15:15	0	0
2/16/2013	15:30	0	0
2/16/2013	15:45	0	0

Date	Time	Rainfall	
		in	mm
2/16/2013	16:00	0	0
2/16/2013	16:15	0	0
2/16/2013	16:30	0	0
2/16/2013	16:45	0	0
2/16/2013	17:00	0	0
2/16/2013	17:15	0	0
2/16/2013	17:30	0	0
2/16/2013	17:45	0	0
2/16/2013	18:00	0	0
2/16/2013	18:15	0	0
2/16/2013	18:30	0	0
2/16/2013	18:45	0	0
2/16/2013	19:00	0	0
2/16/2013	19:15	0	0
2/16/2013	19:30	0	0
2/16/2013	19:45	0	0
2/16/2013	20:00	0	0
2/16/2013	20:15	0	0
2/16/2013	20:30	0	0
2/16/2013	20:45	0	0
2/16/2013	21:00	0	0
2/16/2013	21:15	0	0
2/16/2013	21:30	0	0
2/16/2013	21:45	0	0
2/16/2013	22:00	0	0
2/16/2013	22:15	0	0
2/16/2013	22:30	0	0
2/16/2013	22:45	0	0
2/16/2013	23:00	0	0
2/16/2013	23:15	0	0
2/16/2013	23:30	0	0
2/16/2013	23:45	0	0
2/17/2013	0:00	0	0
2/17/2013	0:15	0	0
2/17/2013	0:30	0	0
2/17/2013	0:45	0	0
2/17/2013	1:00	0	0
2/17/2013	1:15	0	0
2/17/2013	1:30	0	0

Date	Time	Rainfall	
		in	mm
2/17/2013	1:45	0	0
2/17/2013	2:00	0	0
2/17/2013	2:15	0	0
2/17/2013	2:30	0	0
2/17/2013	2:45	0	0
2/17/2013	3:00	0	0
2/17/2013	3:15	0	0
2/17/2013	3:30	0	0
2/17/2013	3:45	0	0
2/17/2013	4:00	0	0
2/17/2013	4:15	0	0
2/17/2013	4:30	0	0
2/17/2013	4:45	0	0
2/17/2013	5:00	0	0
2/17/2013	5:15	0	0
2/17/2013	5:30	0	0
2/17/2013	5:45	0	0
2/17/2013	6:00	0	0
2/17/2013	6:15	0	0
2/17/2013	6:30	0	0
2/17/2013	6:45	0	0
2/17/2013	7:00	0	0
2/17/2013	7:15	0	0
2/17/2013	7:30	0	0
2/17/2013	7:45	0	0
2/17/2013	8:00	0	0
2/17/2013	8:15	0	0
2/17/2013	8:30	0	0
2/17/2013	8:45	0	0
2/17/2013	9:00	0	0
2/17/2013	9:15	0	0
2/17/2013	9:30	0	0
2/17/2013	9:45	0	0
2/17/2013	10:00	0	0
2/17/2013	10:15	0	0
2/17/2013	10:30	0	0
2/17/2013	10:45	0	0
2/17/2013	11:00	0	0
2/17/2013	11:15	0	0

Date	Time	Rainfall	
		in	mm
2/17/2013	11:30	0	0
2/17/2013	11:45	0	0
2/17/2013	12:00	0	0
2/17/2013	12:15	0	0
2/17/2013	12:30	0	0
2/17/2013	12:45	0	0
2/17/2013	13:00	0	0
2/17/2013	13:15	0	0
2/17/2013	13:30	0	0
2/17/2013	13:45	0	0
2/17/2013	14:00	0	0
2/17/2013	14:15	0	0
2/17/2013	14:30	0	0
2/17/2013	14:45	0	0
2/17/2013	15:00	0	0
2/17/2013	15:15	0	0
2/17/2013	15:30	0	0
2/17/2013	15:45	0	0
2/17/2013	16:00	0	0
2/17/2013	16:15	0	0
2/17/2013	16:30	0	0
2/17/2013	16:45	0	0
2/17/2013	17:00	0	0
2/17/2013	17:15	0	0
2/17/2013	17:30	0	0
2/17/2013	17:45	0	0
2/17/2013	18:00	0	0
2/17/2013	18:15	0	0
2/17/2013	18:30	0	0
2/17/2013	18:45	0	0
2/17/2013	19:00	0	0
2/17/2013	19:15	0	0
2/17/2013	19:30	0	0
2/17/2013	19:45	0	0
2/17/2013	20:00	0	0
2/17/2013	20:15	0	0
2/17/2013	20:30	0	0
2/17/2013	20:45	0	0
2/17/2013	21:00	0	0

Date	Time	Rainfall	
		in	mm
2/17/2013	21:15	0	0
2/17/2013	21:30	0	0
2/17/2013	21:45	0	0
2/17/2013	22:00	0	0
2/17/2013	22:15	0	0
2/17/2013	22:30	0	0
2/17/2013	22:45	0	0
2/17/2013	23:00	0	0
2/17/2013	23:15	0	0
2/17/2013	23:30	0	0
2/17/2013	23:45	0	0
2/18/2013	0:00	0	0
2/18/2013	0:15	0	0
2/18/2013	0:30	0	0
2/18/2013	0:45	0	0
2/18/2013	1:00	0	0
2/18/2013	1:15	0	0
2/18/2013	1:30	0	0
2/18/2013	1:45	0	0
2/18/2013	2:00	0	0
2/18/2013	2:15	0	0
2/18/2013	2:30	0	0
2/18/2013	2:45	0	0
2/18/2013	3:00	0	0
2/18/2013	3:15	0	0
2/18/2013	3:30	0	0
2/18/2013	3:45	0	0
2/18/2013	4:00	0	0
2/18/2013	4:15	0	0
2/18/2013	4:30	0	0
2/18/2013	4:45	0	0
2/18/2013	5:00	0	0
2/18/2013	5:15	0	0
2/18/2013	5:30	0	0
2/18/2013	5:45	0	0
2/18/2013	6:00	0	0
2/18/2013	6:15	0	0
2/18/2013	6:30	0	0
2/18/2013	6:45	0	0

Date	Time	Rainfall	
		in	mm
2/18/2013	7:00	0	0
2/18/2013	7:15	0	0
2/18/2013	7:30	0	0
2/18/2013	7:45	0	0
2/18/2013	8:00	0	0
2/18/2013	8:15	0	0
2/18/2013	8:30	0	0
2/18/2013	8:45	0	0
2/18/2013	9:00	0	0
2/18/2013	9:15	0	0
2/18/2013	9:30	0	0
2/18/2013	9:45	0	0
2/18/2013	10:00	0	0
2/18/2013	10:15	0	0
2/18/2013	10:30	0	0
2/18/2013	10:45	0	0
2/18/2013	11:00	0	0
2/18/2013	11:15	0	0
2/18/2013	11:30	0	0
2/18/2013	11:45	0	0
2/18/2013	12:00	0	0
2/18/2013	12:15	0	0
2/18/2013	12:30	0	0
2/18/2013	12:45	0	0
2/18/2013	13:00	0	0
2/18/2013	13:15	0	0
2/18/2013	13:30	0	0
2/18/2013	13:45	0	0
2/18/2013	14:00	0	0
2/18/2013	14:15	0	0
2/18/2013	14:30	0	0
2/18/2013	14:45	0	0
2/18/2013	15:00	0	0
2/18/2013	15:15	0	0
2/18/2013	15:30	0	0
2/18/2013	15:45	0	0
2/18/2013	16:00	0	0
2/18/2013	16:15	0	0
2/18/2013	16:30	0	0

Date	Time	Rainfall	
		in	mm
2/18/2013	16:45	0	0
2/18/2013	17:00	0	0
2/18/2013	17:15	0	0
2/18/2013	17:30	0	0
2/18/2013	17:45	0	0
2/18/2013	18:00	0	0
2/18/2013	18:15	0	0
2/18/2013	18:30	0	0
2/18/2013	18:45	0	0
2/18/2013	19:00	0	0
2/18/2013	19:15	0	0
2/18/2013	19:30	0	0
2/18/2013	19:45	0	0
2/18/2013	20:00	0	0
2/18/2013	20:15	0	0
2/18/2013	20:30	0	0
2/18/2013	20:45	0	0
2/18/2013	21:00	0	0
2/18/2013	21:15	0	0
2/18/2013	21:30	0	0
2/18/2013	21:45	0	0
2/18/2013	22:00	0	0
2/18/2013	22:15	0	0
2/18/2013	22:30	0	0
2/18/2013	22:45	0	0
2/18/2013	23:00	0	0
2/18/2013	23:15	0	0
2/18/2013	23:30	0	0
2/18/2013	23:45	0	0
2/19/2013	0:00	0	0
2/19/2013	0:15	0	0
2/19/2013	0:30	0	0
2/19/2013	0:45	0	0
2/19/2013	1:00	0.01	0.254
2/19/2013	1:15	0	0
2/19/2013	1:30	0	0
2/19/2013	1:45	0	0
2/19/2013	2:00	0	0
2/19/2013	2:15	0	0

Date	Time	Rainfall	
		in	mm
2/19/2013	2:30	0	0
2/19/2013	2:45	0	0
2/19/2013	3:00	0	0
2/19/2013	3:15	0	0
2/19/2013	3:30	0	0
2/19/2013	3:45	0	0
2/19/2013	4:00	0	0
2/19/2013	4:15	0	0
2/19/2013	4:30	0	0
2/19/2013	4:45	0	0
2/19/2013	5:00	0	0
2/19/2013	5:15	0	0
2/19/2013	5:30	0	0
2/19/2013	5:45	0	0
2/19/2013	6:00	0	0
2/19/2013	6:15	0	0
2/19/2013	6:30	0	0
2/19/2013	6:45	0	0
2/19/2013	7:00	0	0
2/19/2013	7:15	0	0
2/19/2013	7:30	0	0
2/19/2013	7:45	0	0
2/19/2013	8:00	0	0
2/19/2013	8:15	0	0
2/19/2013	8:30	0	0
2/19/2013	8:45	0	0
2/19/2013	9:00	0	0
2/19/2013	9:15	0	0
2/19/2013	9:30	0	0
2/19/2013	9:45	0	0
2/19/2013	10:00	0	0
2/19/2013	10:15	0	0
2/19/2013	10:30	0	0
2/19/2013	10:45	0	0
2/19/2013	11:00	0	0
2/19/2013	11:15	0	0
2/19/2013	11:30	0	0
2/19/2013	11:45	0	0
2/19/2013	12:00	0	0

Date	Time	Rainfall	
		in	mm
2/19/2013	12:15	0	0
2/19/2013	12:30	0	0
2/19/2013	12:45	0	0
2/19/2013	13:00	0	0
2/19/2013	13:15	0	0
2/19/2013	13:30	0	0
2/19/2013	13:45	0	0
2/19/2013	14:00	0	0
2/19/2013	14:15	0	0
2/19/2013	14:30	0	0
2/19/2013	14:45	0	0
2/19/2013	15:00	0	0
2/19/2013	15:15	0	0
2/19/2013	15:30	0	0
2/19/2013	15:45	0	0
2/19/2013	16:00	0	0
2/19/2013	16:15	0	0
2/19/2013	16:30	0	0
2/19/2013	16:45	0	0
2/19/2013	17:00	0	0
2/19/2013	17:15	0.01	0.254
2/19/2013	17:30	0	0
2/19/2013	17:45	0	0
2/19/2013	18:00	0	0
2/19/2013	18:15	0	0
2/19/2013	18:30	0	0
2/19/2013	18:45	0	0
2/19/2013	19:00	0	0
2/19/2013	19:15	0	0
2/19/2013	19:30	0	0
2/19/2013	19:45	0	0
2/19/2013	20:00	0	0
2/19/2013	20:15	0	0
2/19/2013	20:30	0	0
2/19/2013	20:45	0	0
2/19/2013	21:00	0	0
2/19/2013	21:15	0	0
2/19/2013	21:30	0	0
2/19/2013	21:45	0	0

Date	Time	Rainfall	
		in	mm
2/19/2013	22:00	0	0
2/19/2013	22:15	0	0
2/19/2013	22:30	0	0
2/19/2013	22:45	0	0
2/19/2013	23:00	0	0
2/19/2013	23:15	0	0
2/19/2013	23:30	0	0
2/19/2013	23:45	0	0
2/20/2013	0:00	0	0
2/20/2013	0:15	0	0
2/20/2013	0:30	0	0
2/20/2013	0:45	0	0
2/20/2013	1:00	0	0
2/20/2013	1:15	0	0
2/20/2013	1:30	0	0
2/20/2013	1:45	0	0
2/20/2013	2:00	0	0
2/20/2013	2:15	0	0
2/20/2013	2:30	0	0
2/20/2013	2:45	0	0
2/20/2013	3:00	0	0
2/20/2013	3:15	0	0
2/20/2013	3:30	0	0
2/20/2013	3:45	0	0
2/20/2013	4:00	0	0
2/20/2013	4:15	0	0
2/20/2013	4:30	0	0
2/20/2013	4:45	0	0
2/20/2013	5:00	0	0
2/20/2013	5:15	0	0
2/20/2013	5:30	0	0
2/20/2013	5:45	0	0
2/20/2013	6:00	0	0
2/20/2013	6:15	0	0
2/20/2013	6:30	0	0
2/20/2013	6:45	0	0
2/20/2013	7:00	0	0
2/20/2013	7:15	0	0
2/20/2013	7:30	0	0

Date	Time	Rainfall	
		in	mm
2/20/2013	7:45	0	0
2/20/2013	8:00	0	0
2/20/2013	8:15	0	0
2/20/2013	8:30	0	0
2/20/2013	8:45	0	0
2/20/2013	9:00	0	0
2/20/2013	9:15	0	0
2/20/2013	9:30	0	0
2/20/2013	9:45	0	0
2/20/2013	10:00	0	0
2/20/2013	10:15	0	0
2/20/2013	10:30	0	0
2/20/2013	10:45	0	0
2/20/2013	11:00	0	0
2/20/2013	11:15	0	0
2/20/2013	11:30	0	0
2/20/2013	11:45	0	0
2/20/2013	12:00	0	0
2/20/2013	12:15	0	0
2/20/2013	12:30	0	0
2/20/2013	12:45	0	0
2/20/2013	13:00	0	0
2/20/2013	13:15	0	0
2/20/2013	13:30	0	0
2/20/2013	13:45	0	0
2/20/2013	14:00	0	0
2/20/2013	14:15	0	0
2/20/2013	14:30	0	0
2/20/2013	14:45	0	0
2/20/2013	15:00	0	0
2/20/2013	15:15	0.01	0.254
2/20/2013	15:30	0.01	0.254
2/20/2013	15:45	0	0
2/20/2013	16:00	0.02	0.508
2/20/2013	16:15	0	0
2/20/2013	16:30	0.01	0.254
2/20/2013	16:45	0	0
2/20/2013	17:00	0	0
2/20/2013	17:15	0	0

Date	Time	Rainfall	
		in	mm
2/20/2013	17:30	0	0
2/20/2013	17:45	0.01	0.254
2/20/2013	18:00	0	0
2/20/2013	18:15	0	0
2/20/2013	18:30	0	0
2/20/2013	18:45	0	0
2/20/2013	19:00	0	0
2/20/2013	19:15	0	0
2/20/2013	19:30	0	0
2/20/2013	19:45	0	0
2/20/2013	20:00	0	0
2/20/2013	20:15	0	0
2/20/2013	20:30	0	0
2/20/2013	20:45	0	0
2/20/2013	21:00	0	0
2/20/2013	21:15	0	0
2/20/2013	21:30	0	0
2/20/2013	21:45	0	0
2/20/2013	22:00	0	0
2/20/2013	22:15	0	0
2/20/2013	22:30	0	0
2/20/2013	22:45	0	0
2/20/2013	23:00	0	0
2/20/2013	23:15	0	0
2/20/2013	23:30	0	0
2/20/2013	23:45	0	0
2/21/2013	0:00	0	0
2/21/2013	0:15	0	0
2/21/2013	0:30	0	0
2/21/2013	0:45	0	0
2/21/2013	1:00	0	0
2/21/2013	1:15	0	0
2/21/2013	1:30	0	0
2/21/2013	1:45	0	0
2/21/2013	2:00	0	0
2/21/2013	2:15	0	0
2/21/2013	2:30	0	0
2/21/2013	2:45	0	0
2/21/2013	3:00	0	0

Date	Time	Rainfall	
		in	mm
2/21/2013	3:15	0	0
2/21/2013	3:30	0	0
2/21/2013	3:45	0	0
2/21/2013	4:00	0	0
2/21/2013	4:15	0	0
2/21/2013	4:30	0	0
2/21/2013	4:45	0	0
2/21/2013	5:00	0	0
2/21/2013	5:15	0	0
2/21/2013	5:30	0.02	0.508
2/21/2013	5:45	0	0
2/21/2013	6:00	0	0
2/21/2013	6:15	0	0
2/21/2013	6:30	0	0
2/21/2013	6:45	0	0
2/21/2013	7:00	0	0
2/21/2013	7:15	0	0
2/21/2013	7:30	0	0
2/21/2013	7:45	0	0
2/21/2013	8:00	0	0
2/21/2013	8:15	0	0
2/21/2013	8:30	0	0
2/21/2013	8:45	0	0
2/21/2013	9:00	0	0
2/21/2013	9:15	0	0
2/21/2013	9:30	0	0
2/21/2013	9:45	0.01	0.254
2/21/2013	10:00	0	0
2/21/2013	10:15	0	0
2/21/2013	10:30	0	0
2/21/2013	10:45	0.01	0.254
2/21/2013	11:00	0	0
2/21/2013	11:15	0	0
2/21/2013	11:30	0	0
2/21/2013	11:45	0	0
2/21/2013	12:00	0	0
2/21/2013	12:15	0	0
2/21/2013	12:30	0	0
2/21/2013	12:45	0	0

Date	Time	Rainfall	
		in	mm
2/21/2013	13:00	0	0
2/21/2013	13:15	0	0
2/21/2013	13:30	0.02	0.508
2/21/2013	13:45	0.01	0.254
2/21/2013	14:00	0.01	0.254
2/21/2013	14:15	0.01	0.254
2/21/2013	14:30	0.02	0.508
2/21/2013	14:45	0.01	0.254
2/21/2013	15:00	0	0
2/21/2013	15:15	0	0
2/21/2013	15:30	0	0
2/21/2013	15:45	0	0
2/21/2013	16:00	0	0
2/21/2013	16:15	0	0
2/21/2013	16:30	0	0
2/21/2013	16:45	0.01	0.254
2/21/2013	17:00	0	0
2/21/2013	17:15	0.01	0.254
2/21/2013	17:30	0	0
2/21/2013	17:45	0	0
2/21/2013	18:00	0	0
2/21/2013	18:15	0.02	0.508
2/21/2013	18:30	0	0
2/21/2013	18:45	0	0
2/21/2013	19:00	0	0
2/21/2013	19:15	0	0
2/21/2013	19:30	0	0
2/21/2013	19:45	0	0
2/21/2013	20:00	0	0
2/21/2013	20:15	0	0
2/21/2013	20:30	0	0
2/21/2013	20:45	0	0
2/21/2013	21:00	0	0
2/21/2013	21:15	0	0
2/21/2013	21:30	0	0
2/21/2013	21:45	0	0
2/21/2013	22:00	0	0
2/21/2013	22:15	0	0
2/21/2013	22:30	0	0

Date	Time	Rainfall	
		in	mm
2/21/2013	22:45	0	0
2/21/2013	23:00	0	0
2/21/2013	23:15	0	0
2/21/2013	23:30	0	0
2/21/2013	23:45	0	0
2/22/2013	0:00	0	0
2/22/2013	0:15	0	0
2/22/2013	0:30	0	0
2/22/2013	0:45	0	0
2/22/2013	1:00	0	0
2/22/2013	1:15	0	0
2/22/2013	1:30	0	0
2/22/2013	1:45	0.01	0.254
2/22/2013	2:00	0	0
2/22/2013	2:15	0	0
2/22/2013	2:30	0	0
2/22/2013	2:45	0	0
2/22/2013	3:00	0	0
2/22/2013	3:15	0	0
2/22/2013	3:30	0.01	0.254
2/22/2013	3:45	0	0
2/22/2013	4:00	0	0
2/22/2013	4:15	0	0
2/22/2013	4:30	0	0
2/22/2013	4:45	0	0
2/22/2013	5:00	0	0
2/22/2013	5:15	0.02	0.508
2/22/2013	5:30	0	0
2/22/2013	5:45	0.01	0.254
2/22/2013	6:00	0	0
2/22/2013	6:15	0.01	0.254
2/22/2013	6:30	0	0
2/22/2013	6:45	0.02	0.508
2/22/2013	7:00	0	0
2/22/2013	7:15	0	0
2/22/2013	7:30	0.01	0.254
2/22/2013	7:45	0.04	1.016
2/22/2013	8:00	0.03	0.762
2/22/2013	8:15	0.03	0.762

Date	Time	Rainfall	
		in	mm
2/22/2013	8:30	0.03	0.762
2/22/2013	8:45	0.04	1.016
2/22/2013	9:00	0.05	1.27
2/22/2013	9:15	0.06	1.524
2/22/2013	9:30	0.04	1.016
2/22/2013	9:45	0.05	1.27
2/22/2013	10:00	0.06	1.524
2/22/2013	10:15	0.06	1.524
2/22/2013	10:30	0.03	0.762
2/22/2013	10:45	0.05	1.27
2/22/2013	11:00	0.05	1.27
2/22/2013	11:15	0.07	1.778
2/22/2013	11:30	0.02	0.508
2/22/2013	11:45	0.04	1.016
2/22/2013	12:00	0.03	0.762
2/22/2013	12:15	0.04	1.016
2/22/2013	12:30	0.03	0.762
2/22/2013	12:45	0.05	1.27
2/22/2013	13:00	0.02	0.508
2/22/2013	13:15	0.03	0.762
2/22/2013	13:30	0.01	0.254
2/22/2013	13:45	0.01	0.254
2/22/2013	14:00	0.02	0.508
2/22/2013	14:15	0	0
2/22/2013	14:30	0	0
2/22/2013	14:45	0	0
2/22/2013	15:00	0	0
2/22/2013	15:15	0	0
2/22/2013	15:30	0.01	0.254
2/22/2013	15:45	0	0
2/22/2013	16:00	0	0
2/22/2013	16:15	0	0
2/22/2013	16:30	0	0
2/22/2013	16:45	0	0
2/22/2013	17:00	0.04	1.016
2/22/2013	17:15	0	0
2/22/2013	17:30	0	0
2/22/2013	17:45	0	0
2/22/2013	18:00	0	0

Date	Time	Rainfall	
		in	mm
2/22/2013	18:15	0	0
2/22/2013	18:30	0	0
2/22/2013	18:45	0.03	0.762
2/22/2013	19:00	0	0
2/22/2013	19:15	0	0
2/22/2013	19:30	0	0
2/22/2013	19:45	0	0
2/22/2013	20:00	0	0
2/22/2013	20:15	0	0
2/22/2013	20:30	0	0
2/22/2013	20:45	0	0
2/22/2013	21:00	0	0
2/22/2013	21:15	0	0
2/22/2013	21:30	0	0
2/22/2013	21:45	0.03	0.762
2/22/2013	22:00	0.01	0.254
2/22/2013	22:15	0	0
2/22/2013	22:30	0	0
2/22/2013	22:45	0	0
2/22/2013	23:00	0.02	0.508
2/22/2013	23:15	0	0
2/22/2013	23:30	0	0
2/22/2013	23:45	0	0
2/23/2013	0:00	0	0
2/23/2013	0:15	0	0
2/23/2013	0:30	0	0
2/23/2013	0:45	0	0
2/23/2013	1:00	0	0
2/23/2013	1:15	0	0
2/23/2013	1:30	0	0
2/23/2013	1:45	0	0
2/23/2013	2:00	0	0
2/23/2013	2:15	0	0
2/23/2013	2:30	0	0
2/23/2013	2:45	0	0
2/23/2013	3:00	0	0
2/23/2013	3:15	0	0
2/23/2013	3:30	0	0
2/23/2013	3:45	0	0

Date	Time	Rainfall	
		in	mm
2/23/2013	4:00	0	0
2/23/2013	4:15	0	0
2/23/2013	4:30	0	0
2/23/2013	4:45	0	0
2/23/2013	5:00	0	0
2/23/2013	5:15	0	0
2/23/2013	5:30	0	0
2/23/2013	5:30	ND	ND
2/23/2013	17:45	ND	ND
2/23/2013	18:00	0	0
2/23/2013	18:15	0	0
2/23/2013	18:30	0	0
2/23/2013	18:45	0	0
2/23/2013	19:00	0	0
2/23/2013	19:15	0	0
2/23/2013	19:30	0	0
2/23/2013	19:45	0	0
2/23/2013	20:00	0	0
2/23/2013	20:15	0	0
2/23/2013	20:30	0	0
2/23/2013	20:45	0	0
2/23/2013	21:00	0	0
2/23/2013	21:15	0	0
2/23/2013	21:30	0	0
2/23/2013	21:45	0	0
2/23/2013	22:00	0	0
2/23/2013	22:15	0	0
2/23/2013	22:30	0	0
2/23/2013	22:45	0	0
2/23/2013	23:00	0	0
2/23/2013	23:15	0	0
2/23/2013	23:30	0	0
2/23/2013	23:45	0	0
2/24/2013	0:00	0	0
2/24/2013	0:15	0	0
2/24/2013	0:30	0	0
2/24/2013	0:45	0	0
2/24/2013	1:00	0	0
2/24/2013	1:15	0	0

Date	Time	Rainfall	
		in	mm
2/24/2013	1:30	0	0
2/24/2013	1:45	0	0
2/24/2013	2:00	0	0
2/24/2013	2:15	0	0
2/24/2013	2:30	0	0
2/24/2013	2:45	0	0
2/24/2013	3:00	0	0
2/24/2013	3:15	0	0
2/24/2013	3:30	0	0
2/24/2013	3:45	0	0
2/24/2013	4:00	0	0
2/24/2013	4:15	0	0
2/24/2013	4:30	0	0
2/24/2013	4:45	0	0
2/24/2013	5:00	0	0
2/24/2013	5:15	0	0
2/24/2013	5:30	0	0
2/24/2013	5:45	0	0
2/24/2013	6:00	0	0
2/24/2013	6:15	0	0
2/24/2013	6:30	0	0
2/24/2013	6:45	0	0
2/24/2013	7:00	0	0
2/24/2013	7:15	0	0
2/24/2013	7:30	0	0
2/24/2013	7:45	0	0
2/24/2013	8:00	0	0
2/24/2013	8:15	0	0
2/24/2013	8:30	0	0
2/24/2013	8:45	0	0
2/24/2013	9:00	0	0
2/24/2013	9:15	0	0
2/24/2013	9:30	0	0
2/24/2013	9:45	0	0
2/24/2013	10:00	0	0
2/24/2013	10:15	0	0
2/24/2013	10:30	0	0
2/24/2013	10:45	0	0
2/24/2013	11:00	0	0

Date	Time	Rainfall	
		in	mm
2/24/2013	11:15	0	0
2/24/2013	11:30	0	0
2/24/2013	11:45	0	0
2/24/2013	12:00	0	0
2/24/2013	12:15	0	0
2/24/2013	12:30	0	0
2/24/2013	12:45	0	0
2/24/2013	13:00	0	0
2/24/2013	13:15	0	0
2/24/2013	13:30	0	0
2/24/2013	13:45	0	0
2/24/2013	14:00	0	0
2/24/2013	14:15	0	0
2/24/2013	14:30	0	0
2/24/2013	14:45	0	0
2/24/2013	15:00	0	0
2/24/2013	15:15	0	0
2/24/2013	15:30	0	0
2/24/2013	15:45	0	0
2/24/2013	16:00	0	0
2/24/2013	16:15	0	0
2/24/2013	16:30	0	0
2/24/2013	16:45	0	0
2/24/2013	17:00	0	0
2/24/2013	17:15	0	0
2/24/2013	17:30	0	0
2/24/2013	17:45	0	0
2/24/2013	18:00	0	0
2/24/2013	18:15	0	0
2/24/2013	18:30	0	0
2/24/2013	18:45	0	0
2/24/2013	19:00	0	0
2/24/2013	19:15	0	0
2/24/2013	19:30	0	0
2/24/2013	19:45	0	0
2/24/2013	20:00	0	0
2/24/2013	20:15	0	0
2/24/2013	20:30	0	0
2/24/2013	20:45	0	0

Date	Time	Rainfall	
		in	mm
2/24/2013	21:00	0	0
2/24/2013	21:15	0	0
2/24/2013	21:30	0	0
2/24/2013	21:45	0	0
2/24/2013	22:00	0	0
2/24/2013	22:15	0	0
2/24/2013	22:30	0	0
2/24/2013	22:45	0	0
2/24/2013	23:00	0	0
2/24/2013	23:15	0	0
2/24/2013	23:30	0	0
2/24/2013	23:45	0	0
2/25/2013	0:00	0	0
2/25/2013	0:15	0.01	0.254
2/25/2013	0:30	0.01	0.254
2/25/2013	0:45	0.02	0.508
2/25/2013	1:00	0.01	0.254
2/25/2013	1:15	0.01	0.254
2/25/2013	1:30	0.03	0.762
2/25/2013	1:45	0.01	0.254
2/25/2013	2:00	0.03	0.762
2/25/2013	2:15	0	0
2/25/2013	2:30	0	0
2/25/2013	2:45	0	0
2/25/2013	3:00	0	0
2/25/2013	3:15	0	0
2/25/2013	3:30	0.01	0.254
2/25/2013	3:45	0	0
2/25/2013	4:00	0	0
2/25/2013	4:15	0	0
2/25/2013	4:30	0.01	0.254
2/25/2013	4:45	0.02	0.508
2/25/2013	5:00	0	0
2/25/2013	5:15	0	0
2/25/2013	5:30	0	0
2/25/2013	5:45	0	0
2/25/2013	6:00	0	0
2/25/2013	6:15	0	0
2/25/2013	6:30	0.03	0.762

Date	Time	Rainfall	
		in	mm
2/25/2013	6:45	0.01	0.254
2/25/2013	7:00	0.03	0.762
2/25/2013	7:15	0.01	0.254
2/25/2013	7:30	0	0
2/25/2013	7:45	0	0
2/25/2013	8:00	0	0
2/25/2013	8:15	0	0
2/25/2013	8:30	0.01	0.254
2/25/2013	8:45	0.03	0.762
2/25/2013	9:00	0.01	0.254
2/25/2013	9:15	0	0
2/25/2013	9:30	0	0
2/25/2013	9:45	0	0
2/25/2013	10:00	0	0
2/25/2013	10:15	0	0
2/25/2013	10:30	0	0
2/25/2013	10:45	0	0
2/25/2013	11:00	0.03	0.762
2/25/2013	11:15	0.01	0.254
2/25/2013	11:30	0	0
2/25/2013	11:45	0	0
2/25/2013	12:00	0	0
2/25/2013	12:15	0	0
2/25/2013	12:30	0	0
2/25/2013	12:45	0	0
2/25/2013	13:00	0	0
2/25/2013	13:15	0	0
2/25/2013	13:30	0	0
2/25/2013	13:45	0	0
2/25/2013	14:00	0	0
2/25/2013	14:15	0	0
2/25/2013	14:30	0	0
2/25/2013	14:45	0	0
2/25/2013	15:00	0	0
2/25/2013	15:15	0	0
2/25/2013	15:30	0	0
2/25/2013	15:45	0	0
2/25/2013	16:00	0	0
2/25/2013	16:15	0	0

Date	Time	Rainfall	
		in	mm
2/25/2013	16:30	0	0
2/25/2013	16:45	0	0
2/25/2013	17:00	0	0
2/25/2013	17:15	0	0
2/25/2013	17:30	0	0
2/25/2013	17:45	0	0
2/25/2013	18:00	0	0
2/25/2013	18:15	0	0
2/25/2013	18:30	0	0
2/25/2013	18:45	0	0
2/25/2013	19:00	0	0
2/25/2013	19:15	0	0
2/25/2013	19:30	0	0
2/25/2013	19:45	0	0
2/25/2013	20:00	0	0
2/25/2013	20:15	0	0
2/25/2013	20:30	0	0
2/25/2013	20:45	0	0
2/25/2013	21:00	0	0
2/25/2013	21:15	0	0
2/25/2013	21:30	0	0
2/25/2013	21:45	0	0
2/25/2013	22:00	0	0
2/25/2013	22:15	0	0
2/25/2013	22:30	0	0
2/25/2013	22:45	0	0
2/25/2013	23:00	0	0
2/25/2013	23:15	0	0
2/25/2013	23:30	0	0
2/25/2013	23:45	0	0
2/26/2013	0:00	0	0
2/26/2013	0:15	0	0
2/26/2013	0:30	0	0
2/26/2013	0:45	0	0
2/26/2013	1:00	0	0
2/26/2013	1:15	0	0
2/26/2013	1:30	0	0
2/26/2013	1:45	0	0
2/26/2013	2:00	0	0

Date	Time	Rainfall	
		in	mm
2/26/2013	2:15	0	0
2/26/2013	2:30	0	0
2/26/2013	2:45	0	0
2/26/2013	3:00	0	0
2/26/2013	3:15	0	0
2/26/2013	3:30	0	0
2/26/2013	3:45	0	0
2/26/2013	4:00	0	0
2/26/2013	4:15	0	0
2/26/2013	4:30	0	0
2/26/2013	4:45	0	0
2/26/2013	5:00	0	0
2/26/2013	5:15	0	0
2/26/2013	5:30	0	0
2/26/2013	5:45	0	0
2/26/2013	6:00	0	0
2/26/2013	6:15	0	0
2/26/2013	6:30	0	0
2/26/2013	6:45	0	0
2/26/2013	7:00	0	0
2/26/2013	7:15	0	0
2/26/2013	7:30	0	0
2/26/2013	7:45	0	0
2/26/2013	8:00	0	0
2/26/2013	8:15	0	0
2/26/2013	8:30	0	0
2/26/2013	8:45	0	0
2/26/2013	9:00	0	0
2/26/2013	9:15	0	0
2/26/2013	9:30	0	0
2/26/2013	9:45	0	0
2/26/2013	10:00	0	0
2/26/2013	10:15	0	0
2/26/2013	10:30	0	0
2/26/2013	10:45	0	0
2/26/2013	11:00	0	0
2/26/2013	11:15	0	0
2/26/2013	11:30	0	0
2/26/2013	11:45	0	0

Date	Time	Rainfall	
		in	mm
2/26/2013	12:00	0	0
2/26/2013	12:15	0	0
2/26/2013	12:30	0	0
2/26/2013	12:45	0	0
2/26/2013	13:00	0	0
2/26/2013	13:15	0	0
2/26/2013	13:30	0	0
2/26/2013	13:45	0	0
2/26/2013	14:00	0	0
2/26/2013	14:15	0	0
2/26/2013	14:30	0	0
2/26/2013	14:45	0	0
2/26/2013	15:00	0	0
2/26/2013	15:15	0	0
2/26/2013	15:30	0	0
2/26/2013	15:45	0	0
2/26/2013	16:00	0	0
2/26/2013	16:15	0	0
2/26/2013	16:30	0	0
2/26/2013	16:45	0	0
2/26/2013	17:00	0	0
2/26/2013	17:15	0	0
2/26/2013	17:30	0	0
2/26/2013	17:45	0	0
2/26/2013	18:00	0	0
2/26/2013	18:15	0	0
2/26/2013	18:30	0	0
2/26/2013	18:45	0	0
2/26/2013	19:00	0	0
2/26/2013	19:15	0	0
2/26/2013	19:30	0	0
2/26/2013	19:45	0	0
2/26/2013	20:00	0	0
2/26/2013	20:15	0	0
2/26/2013	20:30	0	0
2/26/2013	20:45	0	0
2/26/2013	21:00	0	0
2/26/2013	21:15	0	0
2/26/2013	21:30	0	0

Date	Time	Rainfall	
		in	mm
2/26/2013	21:45	0	0
2/26/2013	22:00	0	0
2/26/2013	22:15	0	0
2/26/2013	22:30	0	0
2/26/2013	22:45	0	0
2/26/2013	23:00	0	0
2/26/2013	23:15	0	0
2/26/2013	23:30	0	0
2/26/2013	23:45	0.02	0.508
2/27/2013	0:00	0	0
2/27/2013	0:15	0	0
2/27/2013	0:30	0	0
2/27/2013	0:45	0	0
2/27/2013	1:00	0	0
2/27/2013	1:15	0	0
2/27/2013	1:30	0.01	0.254
2/27/2013	1:45	0	0
2/27/2013	2:00	0.01	0.254
2/27/2013	2:15	0	0
2/27/2013	2:30	0	0
2/27/2013	2:45	0	0
2/27/2013	3:00	0	0
2/27/2013	3:15	0	0
2/27/2013	3:30	0	0
2/27/2013	3:45	0	0
2/27/2013	4:00	0	0
2/27/2013	4:15	0	0
2/27/2013	4:30	0	0
2/27/2013	4:45	0	0
2/27/2013	5:00	0	0
2/27/2013	5:15	0	0
2/27/2013	5:30	0	0
2/27/2013	5:45	0	0
2/27/2013	6:00	0	0
2/27/2013	6:15	0	0
2/27/2013	6:30	0	0
2/27/2013	6:45	0	0
2/27/2013	7:00	0	0
2/27/2013	7:15	0	0

Date	Time	Rainfall	
		in	mm
2/27/2013	7:30	0	0
2/27/2013	7:45	0	0
2/27/2013	8:00	0	0
2/27/2013	8:15	0	0
2/27/2013	8:30	0	0
2/27/2013	8:45	0	0
2/27/2013	9:00	0	0
2/27/2013	9:15	0	0
2/27/2013	9:30	0	0
2/27/2013	9:45	0	0
2/27/2013	10:00	0	0
2/27/2013	10:15	0	0
2/27/2013	10:30	0	0
2/27/2013	10:45	0	0
2/27/2013	11:00	0	0
2/27/2013	11:15	0	0
2/27/2013	11:30	0	0
2/27/2013	11:45	0	0
2/27/2013	12:00	0	0
2/27/2013	12:15	0	0
2/27/2013	12:30	0	0
2/27/2013	12:45	0	0
2/27/2013	13:00	0	0
2/27/2013	13:15	0	0
2/27/2013	13:30	0	0
2/27/2013	13:45	0	0
2/27/2013	14:00	0	0
2/27/2013	14:15	0	0
2/27/2013	14:30	0	0
2/27/2013	14:45	0	0
2/27/2013	15:00	0	0
2/27/2013	15:15	0	0
2/27/2013	15:30	0	0
2/27/2013	15:45	0	0
2/27/2013	16:00	0	0
2/27/2013	16:15	0	0
2/27/2013	16:30	0.02	0.508
2/27/2013	16:45	0.01	0.254
2/27/2013	17:00	0	0

Date	Time	Rainfall	
		in	mm
2/27/2013	17:15	0	0
2/27/2013	17:30	0.01	0.254
2/27/2013	17:45	0.03	0.762
2/27/2013	18:00	0	0
2/27/2013	18:15	0	0
2/27/2013	18:30	0.01	0.254
2/27/2013	18:45	0	0
2/27/2013	19:00	0	0
2/27/2013	19:15	0	0
2/27/2013	19:30	0	0
2/27/2013	19:45	0	0
2/27/2013	20:00	0	0
2/27/2013	20:15	0	0
2/27/2013	20:30	0	0
2/27/2013	20:45	0	0
2/27/2013	21:00	0	0
2/27/2013	21:15	0	0
2/27/2013	21:30	0	0
2/27/2013	21:45	0	0
2/27/2013	22:00	0	0
2/27/2013	22:15	0	0
2/27/2013	22:30	0	0
2/27/2013	22:45	0	0
2/27/2013	23:00	0.02	0.508
2/27/2013	23:15	0	0
2/27/2013	23:30	0	0
2/27/2013	23:45	0	0
2/28/2013	0:00	0	0
2/28/2013	0:15	0	0
2/28/2013	0:30	0.02	0.508
2/28/2013	0:45	0.03	0.762
2/28/2013	1:00	0.01	0.254
2/28/2013	1:15	0	0
2/28/2013	1:30	0.02	0.508
2/28/2013	1:45	0.01	0.254
2/28/2013	2:00	0.01	0.254
2/28/2013	2:15	0.01	0.254
2/28/2013	2:30	0.02	0.508
2/28/2013	2:45	0.01	0.254

Date	Time	Rainfall	
		in	mm
2/28/2013	3:00	0	0
2/28/2013	3:15	0	0
2/28/2013	3:30	0	0
2/28/2013	3:45	0	0
2/28/2013	4:00	0.01	0.254
2/28/2013	4:15	0.02	0.508
2/28/2013	4:30	0.02	0.508
2/28/2013	4:45	0.01	0.254
2/28/2013	5:00	0.02	0.508
2/28/2013	5:15	0.01	0.254
2/28/2013	5:30	0.03	0.762
2/28/2013	5:45	0.01	0.254
2/28/2013	6:00	0.01	0.254
2/28/2013	6:15	0.02	0.508
2/28/2013	6:30	0.01	0.254
2/28/2013	6:45	0.01	0.254
2/28/2013	7:00	0.02	0.508
2/28/2013	7:15	0.01	0.254
2/28/2013	7:30	0.01	0.254
2/28/2013	7:45	0.02	0.508
2/28/2013	8:00	0.01	0.254
2/28/2013	8:15	0.02	0.508
2/28/2013	8:30	0.02	0.508
2/28/2013	8:45	0.03	0.762
2/28/2013	9:00	0.01	0.254
2/28/2013	9:15	0.02	0.508
2/28/2013	9:30	0.01	0.254
2/28/2013	9:45	0	0
2/28/2013	10:00	0	0
2/28/2013	10:15	0.01	0.254
2/28/2013	10:30	0	0
2/28/2013	10:45	0.02	0.508
2/28/2013	11:00	0	0
2/28/2013	11:15	0.01	0.254
2/28/2013	11:30	0	0
2/28/2013	11:45	0.01	0.254
2/28/2013	12:00	0	0
2/28/2013	12:15	0	0
2/28/2013	12:30	0.02	0.508

Date	Time	Rainfall	
		in	mm
2/28/2013	12:45	0	0
2/28/2013	13:00	0	0
2/28/2013	13:15	0	0
2/28/2013	13:30	0	0
2/28/2013	13:45	0.01	0.254
2/28/2013	14:00	0.03	0.762
2/28/2013	14:15	0.01	0.254
2/28/2013	14:30	0.01	0.254
2/28/2013	14:45	0	0
2/28/2013	15:00	0.02	0.508
2/28/2013	15:15	0.03	0.762
2/28/2013	15:30	0.02	0.508
2/28/2013	15:45	0.01	0.254
2/28/2013	16:00	0.02	0.508
2/28/2013	16:15	0.03	0.762
2/28/2013	16:30	0.02	0.508
2/28/2013	16:45	0	0
2/28/2013	17:00	0.02	0.508
2/28/2013	17:15	0.01	0.254
2/28/2013	17:30	0	0
2/28/2013	17:45	0	0
2/28/2013	18:00	0	0
2/28/2013	18:15	0.01	0.254
2/28/2013	18:30	0	0
2/28/2013	18:45	0	0
2/28/2013	19:00	0	0
2/28/2013	19:15	0	0
2/28/2013	19:30	0	0
2/28/2013	19:45	0	0
2/28/2013	20:00	0	0
2/28/2013	20:15	0	0
2/28/2013	20:30	0	0
2/28/2013	20:45	0	0
2/28/2013	21:00	0	0
2/28/2013	21:15	0.02	0.508
2/28/2013	21:30	0	0
2/28/2013	21:45	0	0
2/28/2013	22:00	0	0
2/28/2013	22:15	0	0

Date	Time	Rainfall	
		in	mm
2/28/2013	22:30	0	0
2/28/2013	22:45	0	0
2/28/2013	23:00	0	0
2/28/2013	23:15	0	0
2/28/2013	23:30	0.01	0.254
2/28/2013	23:45	0	0
3/1/2013	0:00	0.01	0.254
3/1/2013	0:15	0.02	0.508
3/1/2013	0:30	0	0
3/1/2013	0:45	0.01	0.254
3/1/2013	1:00	0	0
3/1/2013	1:15	0	0
3/1/2013	1:30	0	0
3/1/2013	1:45	0.01	0.254
3/1/2013	2:00	0	0
3/1/2013	2:15	0	0
3/1/2013	2:30	0	0
3/1/2013	2:45	0.02	0.508
3/1/2013	3:00	0	0
3/1/2013	3:15	0	0
3/1/2013	3:30	0	0
3/1/2013	3:45	0	0
3/1/2013	4:00	0	0
3/1/2013	4:15	0	0
3/1/2013	4:30	0	0
3/1/2013	4:45	0	0
3/1/2013	5:00	0	0
3/1/2013	5:15	0	0
3/1/2013	5:30	0	0
3/1/2013	5:45	0	0
3/1/2013	6:00	0	0
3/1/2013	6:15	0	0
3/1/2013	6:30	0	0
3/1/2013	6:45	0	0
3/1/2013	7:00	0	0
3/1/2013	7:15	0	0
3/1/2013	7:30	0	0
3/1/2013	7:45	0	0
3/1/2013	8:00	0	0

Date	Time	Rainfall	
		in	mm
3/1/2013	8:15	0	0
3/1/2013	8:30	0	0
3/1/2013	8:45	0	0
3/1/2013	9:00	0	0
3/1/2013	9:15	0	0
3/1/2013	9:30	0	0
3/1/2013	9:45	0.01	0.254
3/1/2013	10:00	0	0
3/1/2013	10:15	0	0
3/1/2013	10:30	0	0
3/1/2013	10:45	0	0
3/1/2013	11:00	0	0
3/1/2013	11:15	0	0
3/1/2013	11:30	0	0
3/1/2013	11:45	0	0
3/1/2013	12:00	0	0
3/1/2013	12:15	0	0
3/1/2013	12:30	0	0
3/1/2013	12:45	0	0
3/1/2013	13:00	0	0
3/1/2013	13:15	0	0
3/1/2013	13:30	0	0
3/1/2013	13:45	0	0
3/1/2013	14:00	0	0
3/1/2013	14:15	0	0
3/1/2013	14:30	0	0
3/1/2013	14:45	0	0
3/1/2013	15:00	0	0
3/1/2013	15:15	0	0
3/1/2013	15:30	0	0
3/1/2013	15:45	0	0
3/1/2013	16:00	0	0
3/1/2013	16:15	0	0
3/1/2013	16:30	0	0
3/1/2013	16:45	0	0
3/1/2013	17:00	0	0
3/1/2013	17:15	0	0
3/1/2013	17:30	0	0
3/1/2013	17:45	0	0

Date	Time	Rainfall	
		in	mm
3/1/2013	18:00	0	0
3/1/2013	18:15	0	0
3/1/2013	18:30	0	0
3/1/2013	18:45	0	0
3/1/2013	19:00	0	0
3/1/2013	19:15	0	0
3/1/2013	19:30	0	0
3/1/2013	19:45	0	0
3/1/2013	20:00	0	0
3/1/2013	20:15	0	0
3/1/2013	20:30	0	0
3/1/2013	20:45	0	0
3/1/2013	21:00	0	0
3/1/2013	21:15	0	0
3/1/2013	21:30	0	0
3/1/2013	21:45	0	0
3/1/2013	22:00	0	0
3/1/2013	22:15	0	0
3/1/2013	22:30	0	0
3/1/2013	22:45	0	0
3/1/2013	23:00	0	0
3/1/2013	23:15	0	0
3/1/2013	23:30	0	0
3/1/2013	23:45	0	0
3/2/2013	0:00	0	0
3/2/2013	0:15	0	0
3/2/2013	0:30	0	0
3/2/2013	0:45	0	0
3/2/2013	1:00	0	0
3/2/2013	1:15	0	0
3/2/2013	1:30	0	0
3/2/2013	1:45	0	0
3/2/2013	2:00	0	0
3/2/2013	2:15	0	0
3/2/2013	2:30	0	0
3/2/2013	2:45	0	0
3/2/2013	3:00	0	0
3/2/2013	3:15	0	0
3/2/2013	3:30	0	0

Date	Time	Rainfall	
		in	mm
3/2/2013	3:45	0	0
3/2/2013	4:00	0	0
3/2/2013	4:15	0	0
3/2/2013	4:30	0	0
3/2/2013	4:45	0	0
3/2/2013	5:00	0	0
3/2/2013	5:15	0	0
3/2/2013	5:30	0	0
3/2/2013	5:45	0	0
3/2/2013	6:00	0	0
3/2/2013	6:15	0	0
3/2/2013	6:30	0	0
3/2/2013	6:45	0	0
3/2/2013	7:00	0	0
3/2/2013	7:15	0	0
3/2/2013	7:30	0	0
3/2/2013	7:45	0	0
3/2/2013	8:00	0	0
3/2/2013	8:15	0	0
3/2/2013	8:30	0	0
3/2/2013	8:45	0	0
3/2/2013	9:00	0	0
3/2/2013	9:15	0	0
3/2/2013	9:30	0	0
3/2/2013	9:45	0	0
3/2/2013	10:00	0	0
3/2/2013	10:15	0	0
3/2/2013	10:30	0	0
3/2/2013	10:45	0	0
3/2/2013	11:00	0	0
3/2/2013	11:15	0	0
3/2/2013	11:30	0	0
3/2/2013	11:45	0	0
3/2/2013	12:00	0	0
3/2/2013	12:15	0	0
3/2/2013	12:30	0	0
3/2/2013	12:45	0	0
3/2/2013	13:00	0	0
3/2/2013	13:15	0	0

Date	Time	Rainfall	
		in	mm
3/2/2013	13:30	0	0
3/2/2013	13:45	0	0
3/2/2013	14:00	0	0
3/2/2013	14:15	0	0
3/2/2013	14:30	0	0
3/2/2013	14:45	0.01	0.254
3/2/2013	15:00	0	0
3/2/2013	15:15	0	0
3/2/2013	15:30	0	0
3/2/2013	15:45	0	0
3/2/2013	16:00	0	0
3/2/2013	16:15	0	0
3/2/2013	16:30	0	0
3/2/2013	16:45	0	0
3/2/2013	17:00	0	0
3/2/2013	17:15	0	0
3/2/2013	17:30	0	0
3/2/2013	17:45	0	0
3/2/2013	18:00	0	0
3/2/2013	18:15	0	0
3/2/2013	18:30	0	0
3/2/2013	18:45	0	0
3/2/2013	19:00	0	0
3/2/2013	19:15	0	0
3/2/2013	19:30	0	0
3/2/2013	19:45	0	0
3/2/2013	20:00	0	0
3/2/2013	20:15	0	0
3/2/2013	20:30	0	0
3/2/2013	20:45	0	0
3/2/2013	21:00	0	0
3/2/2013	21:15	0	0
3/2/2013	21:30	0	0
3/2/2013	21:45	0	0
3/2/2013	22:00	0	0
3/2/2013	22:15	0	0
3/2/2013	22:30	0	0
3/2/2013	22:45	0	0
3/2/2013	23:00	0	0

Date	Time	Rainfall	
		in	mm
3/2/2013	23:15	0	0
3/2/2013	23:30	0	0
3/2/2013	23:45	0	0
3/3/2013	0:00	0	0
3/3/2013	0:15	0	0
3/3/2013	0:30	0	0
3/3/2013	0:45	0	0
3/3/2013	1:00	0	0
3/3/2013	1:15	0	0
3/3/2013	1:30	0	0
3/3/2013	1:45	0	0
3/3/2013	2:00	0	0
3/3/2013	2:15	0	0
3/3/2013	2:30	0	0
3/3/2013	2:45	0	0
3/3/2013	3:00	0	0
3/3/2013	3:15	0	0
3/3/2013	3:30	0	0
3/3/2013	3:45	0	0
3/3/2013	4:00	0	0
3/3/2013	4:15	0	0
3/3/2013	4:30	0	0
3/3/2013	4:45	0	0
3/3/2013	5:00	0	0
3/3/2013	5:15	0	0
3/3/2013	5:30	0	0
3/3/2013	5:45	0	0
3/3/2013	6:00	0	0
3/3/2013	6:15	0	0
3/3/2013	6:30	0	0
3/3/2013	6:45	0	0
3/3/2013	7:00	0	0
3/3/2013	7:15	0	0
3/3/2013	7:30	0	0
3/3/2013	7:45	0	0
3/3/2013	8:00	0	0
3/3/2013	8:15	0	0
3/3/2013	8:30	0	0
3/3/2013	8:45	0	0

Date	Time	Rainfall	
		in	mm
3/3/2013	9:00	0	0
3/3/2013	9:15	0	0
3/3/2013	9:30	0	0
3/3/2013	9:45	0	0
3/3/2013	10:00	0	0
3/3/2013	10:15	0	0
3/3/2013	10:30	0	0
3/3/2013	10:45	0	0
3/3/2013	11:00	0	0
3/3/2013	11:15	0	0
3/3/2013	11:30	0	0
3/3/2013	11:45	0	0
3/3/2013	12:00	0	0
3/3/2013	12:15	0	0
3/3/2013	12:30	0	0
3/3/2013	12:45	0	0
3/3/2013	13:00	0	0
3/3/2013	13:15	0	0
3/3/2013	13:30	0	0
3/3/2013	13:45	0	0
3/3/2013	14:00	0	0
3/3/2013	14:15	0	0
3/3/2013	14:30	0	0
3/3/2013	14:45	0	0
3/3/2013	15:00	0	0
3/3/2013	15:15	0	0
3/3/2013	15:30	0	0
3/3/2013	15:45	0	0
3/3/2013	16:00	0	0
3/3/2013	16:15	0	0
3/3/2013	16:30	0	0
3/3/2013	16:45	0	0
3/3/2013	17:00	0	0
3/3/2013	17:15	0	0
3/3/2013	17:30	0	0
3/3/2013	17:45	0.01	0.254
3/3/2013	18:00	0.06	1.524
3/3/2013	18:15	0.01	0.254
3/3/2013	18:30	0	0

Date	Time	Rainfall	
		in	mm
3/3/2013	18:45	0	0
3/3/2013	19:00	0	0
3/3/2013	19:15	0	0
3/3/2013	19:30	0	0
3/3/2013	19:45	0	0
3/3/2013	20:00	0	0
3/3/2013	20:15	0	0
3/3/2013	20:30	0	0
3/3/2013	20:45	0	0
3/3/2013	21:00	0	0
3/3/2013	21:15	0	0
3/3/2013	21:30	0	0
3/3/2013	21:45	0	0
3/3/2013	22:00	0	0
3/3/2013	22:15	0	0
3/3/2013	22:30	0	0
3/3/2013	22:45	0	0
3/3/2013	23:00	0	0
3/3/2013	23:15	0	0
3/3/2013	23:30	0	0
3/3/2013	23:45	0	0
3/4/2013	0:00	0	0
3/4/2013	0:15	0	0
3/4/2013	0:30	0	0
3/4/2013	0:45	0	0
3/4/2013	1:00	0	0
3/4/2013	1:15	0	0
3/4/2013	1:30	0	0
3/4/2013	1:45	0	0
3/4/2013	2:00	0.01	0.254
3/4/2013	2:15	0	0
3/4/2013	2:30	0	0
3/4/2013	2:45	0	0
3/4/2013	3:00	0	0
3/4/2013	3:15	0	0
3/4/2013	3:30	0	0
3/4/2013	3:45	0	0
3/4/2013	4:00	0	0
3/4/2013	4:15	0	0

Date	Time	Rainfall	
		in	mm
3/4/2013	4:30	0	0
3/4/2013	4:45	0	0
3/4/2013	5:00	0	0
3/4/2013	5:15	0	0
3/4/2013	5:30	0	0
3/4/2013	5:45	0	0
3/4/2013	6:00	0	0
3/4/2013	6:15	0	0
3/4/2013	6:30	0	0
3/4/2013	6:45	0	0
3/4/2013	7:00	0	0
3/4/2013	7:15	0	0
3/4/2013	7:30	0	0
3/4/2013	7:45	0	0
3/4/2013	8:00	0	0
3/4/2013	8:15	0	0
3/4/2013	8:30	0	0
3/4/2013	8:45	0	0
3/4/2013	9:00	0	0
3/4/2013	9:15	0	0
3/4/2013	9:30	0	0
3/4/2013	9:45	0	0
3/4/2013	10:00	0	0
3/4/2013	10:15	0	0
3/4/2013	10:30	0	0
3/4/2013	10:45	0	0
3/4/2013	11:00	0	0
3/4/2013	11:15	0	0
3/4/2013	11:30	0	0
3/4/2013	11:45	0	0
3/4/2013	12:00	0	0
3/4/2013	12:15	0	0
3/4/2013	12:30	0	0
3/4/2013	12:45	0	0
3/4/2013	13:00	0	0
3/4/2013	13:15	0	0
3/4/2013	13:30	0	0
3/4/2013	13:45	0	0
3/4/2013	14:00	0	0

Date	Time	Rainfall	
		in	mm
3/4/2013	14:15	0	0
3/4/2013	14:30	0	0
3/4/2013	14:45	0	0
3/4/2013	15:00	0	0
3/4/2013	15:15	0	0
3/4/2013	15:30	0	0
3/4/2013	15:45	0	0
3/4/2013	16:00	0	0
3/4/2013	16:15	0	0
3/4/2013	16:30	0	0
3/4/2013	16:45	0	0
3/4/2013	17:00	0	0
3/4/2013	17:15	0	0
3/4/2013	17:30	0	0
3/4/2013	17:45	0	0
3/4/2013	18:00	0	0
3/4/2013	18:15	0	0
3/4/2013	18:30	0	0
3/4/2013	18:45	0	0
3/4/2013	19:00	0	0
3/4/2013	19:15	0	0
3/4/2013	19:30	0	0
3/4/2013	19:45	0	0
3/4/2013	20:00	0	0
3/4/2013	20:15	0	0
3/4/2013	20:30	0	0
3/4/2013	20:45	0	0
3/4/2013	21:00	0	0
3/4/2013	21:15	0	0
3/4/2013	21:30	0	0
3/4/2013	21:45	0	0
3/4/2013	22:00	0	0
3/4/2013	22:15	0	0
3/4/2013	22:30	0	0
3/4/2013	22:45	0	0
3/4/2013	23:00	0	0
3/4/2013	23:15	0	0
3/4/2013	23:30	0	0
3/4/2013	23:45	0	0

Date	Time	Rainfall	
		in	mm
3/5/2013	0:00	0	0
3/5/2013	0:15	0	0
3/5/2013	0:30	0	0
3/5/2013	0:45	0	0
3/5/2013	1:00	0	0
3/5/2013	1:15	0	0
3/5/2013	1:30	0	0
3/5/2013	1:45	0	0
3/5/2013	2:00	0	0
3/5/2013	2:15	0	0
3/5/2013	2:30	0	0
3/5/2013	2:45	0	0
3/5/2013	3:00	0	0
3/5/2013	3:15	0	0
3/5/2013	3:30	0	0
3/5/2013	3:45	0	0
3/5/2013	4:00	0	0
3/5/2013	4:15	0	0
3/5/2013	4:30	0	0
3/5/2013	4:45	0	0
3/5/2013	5:00	0	0
3/5/2013	5:15	0	0
3/5/2013	5:30	0	0
3/5/2013	5:45	0	0
3/5/2013	6:00	0	0
3/5/2013	6:15	0	0
3/5/2013	6:30	0	0
3/5/2013	6:45	0	0
3/5/2013	7:00	0	0
3/5/2013	7:15	0	0
3/5/2013	7:30	0	0
3/5/2013	7:45	0	0
3/5/2013	8:00	0	0
3/5/2013	8:15	0	0
3/5/2013	8:30	0	0
3/5/2013	8:45	0	0
3/5/2013	9:00	0	0
3/5/2013	9:15	0	0
3/5/2013	9:30	0	0

Date	Time	Rainfall	
		in	mm
3/5/2013	9:45	0	0
3/5/2013	10:00	0	0
3/5/2013	10:15	0	0
3/5/2013	10:30	0	0
3/5/2013	10:45	0	0
3/5/2013	11:00	0	0
3/5/2013	11:15	0	0
3/5/2013	11:30	0	0
3/5/2013	11:45	0	0
3/5/2013	12:00	0	0
3/5/2013	12:15	0	0
3/5/2013	12:30	0	0
3/5/2013	12:45	0	0
3/5/2013	13:00	0	0
3/5/2013	13:15	0	0
3/5/2013	13:30	0	0
3/5/2013	13:45	0	0
3/5/2013	14:00	0	0
3/5/2013	14:15	0	0
3/5/2013	14:30	0	0
3/5/2013	14:45	0	0
3/5/2013	15:00	0	0
3/5/2013	15:15	0	0
3/5/2013	15:30	0	0
3/5/2013	15:45	0	0
3/5/2013	16:00	0	0
3/5/2013	16:15	0	0
3/5/2013	16:30	0.01	0.254
3/5/2013	16:45	0	0
3/5/2013	17:00	0.01	0.254
3/5/2013	17:15	0	0
3/5/2013	17:30	0.02	0.508
3/5/2013	17:45	0.01	0.254
3/5/2013	18:00	0.01	0.254
3/5/2013	18:15	0.02	0.508
3/5/2013	18:30	0	0
3/5/2013	18:45	0.01	0.254
3/5/2013	19:00	0	0
3/5/2013	19:15	0	0

Date	Time	Rainfall	
		in	mm
3/5/2013	19:30	0	0
3/5/2013	19:45	0	0
3/5/2013	20:00	0.01	0.254
3/5/2013	20:15	0	0
3/5/2013	20:30	0	0
3/5/2013	20:45	0	0
3/5/2013	21:00	0.02	0.508
3/5/2013	21:15	0	0
3/5/2013	21:30	0	0
3/5/2013	21:45	0	0
3/5/2013	22:00	0	0
3/5/2013	22:15	0	0
3/5/2013	22:30	0	0
3/5/2013	22:45	0	0
3/5/2013	23:00	0	0
3/5/2013	23:15	0	0
3/5/2013	23:30	0	0
3/5/2013	23:45	0	0
3/6/2013	0:00	0	0
3/6/2013	0:15	0	0
3/6/2013	0:30	0	0
3/6/2013	0:45	0	0
3/6/2013	1:00	0	0
3/6/2013	1:15	0	0
3/6/2013	1:30	0	0
3/6/2013	1:45	0	0
3/6/2013	2:00	0	0
3/6/2013	2:15	0	0
3/6/2013	2:30	0	0
3/6/2013	2:45	0	0
3/6/2013	3:00	0	0
3/6/2013	3:15	0	0
3/6/2013	3:30	0	0
3/6/2013	3:45	0	0
3/6/2013	4:00	0	0
3/6/2013	4:15	0	0
3/6/2013	4:30	0	0
3/6/2013	4:45	0	0
3/6/2013	5:00	0	0

Date	Time	Rainfall	
		in	mm
3/6/2013	5:15	0	0
3/6/2013	5:30	0	0
3/6/2013	5:45	0	0
3/6/2013	6:00	0	0
3/6/2013	6:15	0	0
3/6/2013	6:30	0	0
3/6/2013	6:45	0	0
3/6/2013	7:00	0	0
3/6/2013	7:15	0.01	0.254
3/6/2013	7:30	0	0
3/6/2013	7:45	0.01	0.254
3/6/2013	8:00	0.02	0.508
3/6/2013	8:15	0.01	0.254
3/6/2013	8:30	0.01	0.254
3/6/2013	8:45	0	0
3/6/2013	9:00	0	0
3/6/2013	9:15	0.01	0.254
3/6/2013	9:30	0.01	0.254
3/6/2013	9:45	0	0
3/6/2013	10:00	0	0
3/6/2013	10:15	0	0
3/6/2013	10:30	0	0
3/6/2013	10:45	0	0
3/6/2013	11:00	0	0
3/6/2013	11:15	0	0
3/6/2013	11:30	0	0
3/6/2013	11:45	0	0
3/6/2013	12:00	0	0
3/6/2013	12:15	0.02	0.508
3/6/2013	12:30	0	0
3/6/2013	12:45	0	0
3/6/2013	13:00	0	0
3/6/2013	13:15	0	0
3/6/2013	13:30	0	0
3/6/2013	13:45	0.01	0.254
3/6/2013	14:00	0	0
3/6/2013	14:15	0	0
3/6/2013	14:30	0.01	0.254
3/6/2013	14:45	0	0

Date	Time	Rainfall	
		in	mm
3/6/2013	15:00	0	0
3/6/2013	15:15	0.02	0.508
3/6/2013	15:30	0	0
3/6/2013	15:45	0	0
3/6/2013	16:00	0	0
3/6/2013	16:15	0.01	0.254
3/6/2013	16:30	0	0
3/6/2013	16:45	0	0
3/6/2013	17:00	0.02	0.508
3/6/2013	17:15	0	0
3/6/2013	17:30	0	0
3/6/2013	17:45	0.02	0.508
3/6/2013	18:00	0	0
3/6/2013	18:15	0.02	0.508
3/6/2013	18:30	0.01	0.254
3/6/2013	18:45	0.01	0.254
3/6/2013	19:00	0	0
3/6/2013	19:15	0.02	0.508
3/6/2013	19:30	0	0
3/6/2013	19:45	0.01	0.254
3/6/2013	20:00	0.01	0.254
3/6/2013	20:15	0	0
3/6/2013	20:30	0.02	0.508
3/6/2013	20:45	0	0
3/6/2013	21:00	0	0
3/6/2013	21:15	0	0
3/6/2013	21:30	0	0
3/6/2013	21:45	0	0
3/6/2013	22:00	0	0
3/6/2013	22:15	0.01	0.254
3/6/2013	22:30	0.01	0.254
3/6/2013	22:45	0	0
3/6/2013	23:00	0	0
3/6/2013	23:15	0.02	0.508
3/6/2013	23:30	0.01	0.254
3/6/2013	23:45	0.01	0.254
3/7/2013	0:00	0.02	0.508
3/7/2013	0:15	0.04	1.016
3/7/2013	0:30	0.01	0.254

Date	Time	Rainfall	
		in	mm
3/7/2013	0:45	0.04	1.016
3/7/2013	1:00	0.03	0.762
3/7/2013	1:15	0.03	0.762
3/7/2013	1:30	0.02	0.508
3/7/2013	1:45	0.02	0.508
3/7/2013	2:00	0.02	0.508
3/7/2013	2:15	0.02	0.508
3/7/2013	2:30	0.02	0.508
3/7/2013	2:45	0.02	0.508
3/7/2013	3:00	0.01	0.254
3/7/2013	3:15	0	0
3/7/2013	3:30	0.01	0.254
3/7/2013	3:45	0	0
3/7/2013	4:00	0.02	0.508
3/7/2013	4:15	0.01	0.254
3/7/2013	4:30	0.01	0.254
3/7/2013	4:45	0	0
3/7/2013	5:00	0	0
3/7/2013	5:15	0	0
3/7/2013	5:30	0	0
3/7/2013	5:45	0	0
3/7/2013	6:00	0	0
3/7/2013	6:15	0	0
3/7/2013	6:30	0	0
3/7/2013	6:45	0	0
3/7/2013	7:00	0	0
3/7/2013	7:15	0	0
3/7/2013	7:30	0	0
3/7/2013	7:45	0	0
3/7/2013	8:00	0	0
3/7/2013	8:15	0	0
3/7/2013	8:30	0	0
3/7/2013	8:45	0	0
3/7/2013	9:00	0	0
3/7/2013	9:15	0	0
3/7/2013	9:30	0	0
3/7/2013	9:45	0	0
3/7/2013	10:00	0	0
3/7/2013	10:15	0	0

Date	Time	Rainfall	
		in	mm
3/7/2013	10:30	0	0
3/7/2013	10:45	0	0
3/7/2013	11:00	0	0
3/7/2013	11:15	0	0
3/7/2013	11:30	0	0
3/7/2013	11:45	0	0
3/7/2013	12:00	0	0
3/7/2013	12:15	0	0
3/7/2013	12:30	0	0
3/7/2013	12:45	0	0
3/7/2013	13:00	0	0
3/7/2013	13:15	0	0
3/7/2013	13:30	0	0
3/7/2013	13:45	0	0
3/7/2013	14:00	0	0
3/7/2013	14:15	0	0
3/7/2013	14:30	0	0
3/7/2013	14:45	0	0
3/7/2013	15:00	0	0
3/7/2013	15:15	0	0
3/7/2013	15:30	0	0
3/7/2013	15:45	0	0
3/7/2013	16:00	0	0
3/7/2013	16:15	0	0
3/7/2013	16:30	0.01	0.254
3/7/2013	16:45	0	0
3/7/2013	17:00	0	0
3/7/2013	17:15	0	0
3/7/2013	17:30	0	0
3/7/2013	17:45	0	0
3/7/2013	18:00	0	0
3/7/2013	18:15	0	0
3/7/2013	18:30	0	0
3/7/2013	18:45	0	0
3/7/2013	19:00	0	0
3/7/2013	19:15	0	0
3/7/2013	19:30	0	0
3/7/2013	19:45	0	0
3/7/2013	20:00	0	0

Date	Time	Rainfall	
		in	mm
3/7/2013	20:15	0	0
3/7/2013	20:30	0	0
3/7/2013	20:45	0	0
3/7/2013	21:00	0	0
3/7/2013	21:15	0	0
3/7/2013	21:30	0	0
3/7/2013	21:45	0	0
3/7/2013	22:00	0	0
3/7/2013	22:15	0	0
3/7/2013	22:30	0	0
3/7/2013	22:45	0	0
3/7/2013	23:00	0	0
3/7/2013	23:15	0	0
3/7/2013	23:30	0	0
3/7/2013	23:45	0	0
3/8/2013	0:00	0	0
3/8/2013	0:15	0	0
3/8/2013	0:30	0	0
3/8/2013	0:45	0	0
3/8/2013	1:00	0	0
3/8/2013	1:15	0	0
3/8/2013	1:30	0	0
3/8/2013	1:45	0	0
3/8/2013	2:00	0	0
3/8/2013	2:15	0	0
3/8/2013	2:30	0	0
3/8/2013	2:45	0	0
3/8/2013	3:00	0	0
3/8/2013	3:15	0	0
3/8/2013	3:30	0	0
3/8/2013	3:45	0	0
3/8/2013	4:00	0	0
3/8/2013	4:15	0	0
3/8/2013	4:30	0	0
3/8/2013	4:45	0	0
3/8/2013	5:00	0	0
3/8/2013	5:15	0	0
3/8/2013	5:30	0	0
3/8/2013	5:45	0	0

Date	Time	Rainfall	
		in	mm
3/8/2013	6:00	0	0
3/8/2013	6:15	0	0
3/8/2013	6:30	0	0
3/8/2013	6:45	0	0
3/8/2013	7:00	0	0
3/8/2013	7:15	0	0
3/8/2013	7:30	0	0
3/8/2013	7:45	0	0
3/8/2013	8:00	0	0
3/8/2013	8:15	0	0
3/8/2013	8:30	0	0
3/8/2013	8:45	0	0
3/8/2013	9:00	0	0
3/8/2013	9:15	0	0
3/8/2013	9:30	0	0
3/8/2013	9:45	0	0
3/8/2013	10:00	0	0
3/8/2013	10:15	0	0
3/8/2013	10:30	0	0
3/8/2013	10:45	0	0
3/8/2013	11:00	0	0
3/8/2013	11:15	0	0
3/8/2013	11:30	0	0
3/8/2013	11:45	0	0
3/8/2013	12:00	0	0
3/8/2013	12:15	0	0
3/8/2013	12:30	0	0
3/8/2013	12:45	0	0
3/8/2013	13:00	0	0
3/8/2013	13:15	0	0
3/8/2013	13:30	0	0
3/8/2013	13:45	0	0
3/8/2013	14:00	0	0
3/8/2013	14:15	0	0
3/8/2013	14:30	0	0
3/8/2013	14:45	0	0
3/8/2013	15:00	0	0
3/8/2013	15:15	0	0
3/8/2013	15:30	0	0

Date	Time	Rainfall	
		in	mm
3/8/2013	15:45	0	0
3/8/2013	16:00	0	0
3/8/2013	16:15	0	0
3/8/2013	16:30	0	0
3/8/2013	16:45	0	0
3/8/2013	17:00	0	0
3/8/2013	17:15	0	0
3/8/2013	17:30	0	0
3/8/2013	17:45	0	0
3/8/2013	18:00	0	0
3/8/2013	18:15	0	0
3/8/2013	18:30	0	0
3/8/2013	18:45	0	0
3/8/2013	19:00	0	0
3/8/2013	19:15	0	0
3/8/2013	19:30	0	0
3/8/2013	19:45	0	0
3/8/2013	20:00	0	0
3/8/2013	20:15	0	0
3/8/2013	20:30	0	0
3/8/2013	20:45	0	0
3/8/2013	21:00	0	0
3/8/2013	21:15	0	0
3/8/2013	21:30	0	0
3/8/2013	21:45	0	0
3/8/2013	22:00	0	0
3/8/2013	22:15	0	0
3/8/2013	22:30	0	0
3/8/2013	22:45	0	0
3/8/2013	23:00	0	0
3/8/2013	23:15	0	0
3/8/2013	23:30	0	0
3/8/2013	23:45	0	0
3/9/2013	0:00	0	0
3/9/2013	0:15	0	0
3/9/2013	0:30	0	0
3/9/2013	0:45	0	0
3/9/2013	1:00	0	0
3/9/2013	1:15	0	0

Date	Time	Rainfall	
		in	mm
3/9/2013	1:30	0	0
3/9/2013	1:45	0	0
3/9/2013	2:00	0	0
3/9/2013	2:15	0	0
3/9/2013	2:30	0	0
3/9/2013	2:45	0	0
3/9/2013	3:00	0	0
3/9/2013	3:15	0	0
3/9/2013	3:30	0	0
3/9/2013	3:45	0	0
3/9/2013	4:00	0	0
3/9/2013	4:15	0	0
3/9/2013	4:30	0	0
3/9/2013	4:45	0	0
3/9/2013	5:00	0	0
3/9/2013	5:15	0	0
3/9/2013	5:30	0	0
3/9/2013	5:45	0	0
3/9/2013	6:00	0	0
3/9/2013	6:15	0	0
3/9/2013	6:30	0	0
3/9/2013	6:45	0	0
3/9/2013	7:00	0	0
3/9/2013	7:15	0	0
3/9/2013	7:30	0	0
3/9/2013	7:45	0	0
3/9/2013	8:00	0	0
3/9/2013	8:15	0	0
3/9/2013	8:30	0	0
3/9/2013	8:45	0	0
3/9/2013	9:00	0	0
3/9/2013	9:15	0	0
3/9/2013	9:30	0	0
3/9/2013	9:45	0	0
3/9/2013	10:00	0	0
3/9/2013	10:15	0	0
3/9/2013	10:30	0	0
3/9/2013	10:45	0	0
3/9/2013	11:00	0	0

Date	Time	Rainfall	
		in	mm
3/9/2013	11:15	0	0
3/9/2013	11:30	0	0
3/9/2013	11:45	0	0
3/9/2013	12:00	0	0
3/9/2013	12:15	0	0
3/9/2013	12:30	0	0
3/9/2013	12:45	0	0
3/9/2013	13:00	0	0
3/9/2013	13:15	0	0
3/9/2013	13:30	0	0
3/9/2013	13:45	0	0
3/9/2013	14:00	0	0
3/9/2013	14:15	0	0
3/9/2013	14:30	0	0
3/9/2013	14:45	0	0
3/9/2013	15:00	0	0
3/9/2013	15:15	0	0
3/9/2013	15:30	0	0
3/9/2013	15:45	0	0
3/9/2013	16:00	0	0
3/9/2013	16:15	0	0
3/9/2013	16:30	0	0
3/9/2013	16:45	0	0
3/9/2013	17:00	0	0
3/9/2013	17:15	0	0
3/9/2013	17:30	0	0
3/9/2013	17:45	0	0
3/9/2013	18:00	0	0
3/9/2013	18:15	0	0
3/9/2013	18:30	0	0
3/9/2013	18:45	0	0
3/9/2013	19:00	0	0
3/9/2013	19:15	0	0
3/9/2013	19:30	0	0
3/9/2013	19:45	0	0
3/9/2013	20:00	0	0
3/9/2013	20:15	0	0
3/9/2013	20:30	0	0
3/9/2013	20:45	0	0

Date	Time	Rainfall	
		in	mm
3/9/2013	21:00	0	0
3/9/2013	21:15	0	0
3/9/2013	21:30	0	0
3/9/2013	21:45	0	0
3/9/2013	22:00	0	0
3/9/2013	22:15	0	0
3/9/2013	22:30	0	0
3/9/2013	22:45	0	0
3/9/2013	23:00	0	0
3/9/2013	23:15	0	0
3/9/2013	23:30	0	0
3/9/2013	23:45	0	0
3/10/2013	0:00	0	0
3/10/2013	0:15	0	0
3/10/2013	0:30	0	0
3/10/2013	0:45	0	0
3/10/2013	1:00	0	0
3/10/2013	1:15	0	0
3/10/2013	1:30	0	0
3/10/2013	1:45	0	0
3/10/2013	3:00	0	0
3/10/2013	3:15	0	0
3/10/2013	3:30	0	0
3/10/2013	3:45	0	0
3/10/2013	4:00	0	0
3/10/2013	4:15	0	0
3/10/2013	4:30	0	0
3/10/2013	4:45	0	0
3/10/2013	5:00	0	0
3/10/2013	5:15	0	0
3/10/2013	5:30	0	0
3/10/2013	5:45	0	0
3/10/2013	6:00	0	0
3/10/2013	6:15	0	0
3/10/2013	6:30	0.01	0.254
3/10/2013	6:45	0	0
3/10/2013	7:00	0	0
3/10/2013	7:15	0	0
3/10/2013	7:30	0	0

Date	Time	Rainfall	
		in	mm
3/10/2013	7:45	0.01	0.254
3/10/2013	8:00	0	0
3/10/2013	8:15	0	0
3/10/2013	8:30	0	0
3/10/2013	8:45	0	0
3/10/2013	9:00	0	0
3/10/2013	9:15	0	0
3/10/2013	9:30	0	0
3/10/2013	9:45	0	0
3/10/2013	10:00	0	0
3/10/2013	10:15	0	0
3/10/2013	10:30	0	0
3/10/2013	10:45	0	0
3/10/2013	11:00	0	0
3/10/2013	11:15	0	0
3/10/2013	11:30	0	0
3/10/2013	11:45	0	0
3/10/2013	12:00	0	0
3/10/2013	12:15	0	0
3/10/2013	12:30	0	0
3/10/2013	12:45	0	0
3/10/2013	13:00	0	0
3/10/2013	13:15	0	0
3/10/2013	13:30	0	0
3/10/2013	13:45	0	0
3/10/2013	14:00	0	0
3/10/2013	14:15	0	0
3/10/2013	14:30	0	0
3/10/2013	14:45	0	0
3/10/2013	15:00	0	0
3/10/2013	15:15	0	0
3/10/2013	15:30	0	0
3/10/2013	15:45	0	0
3/10/2013	16:00	0	0
3/10/2013	16:15	0	0
3/10/2013	16:30	0	0
3/10/2013	16:45	0	0
3/10/2013	17:00	0	0
3/10/2013	17:15	0	0

Date	Time	Rainfall	
		in	mm
3/10/2013	17:30	0	0
3/10/2013	17:45	0	0
3/10/2013	18:00	0	0
3/10/2013	18:15	0	0
3/10/2013	18:30	0	0
3/10/2013	18:45	0	0
3/10/2013	19:00	0	0
3/10/2013	19:15	0	0
3/10/2013	19:30	0	0
3/10/2013	19:45	0	0
3/10/2013	20:00	0	0
3/10/2013	20:15	0.01	0.254
3/10/2013	20:30	0	0
3/10/2013	20:45	0	0
3/10/2013	21:00	0	0
3/10/2013	21:15	0	0
3/10/2013	21:30	0	0
3/10/2013	21:45	0	0
3/10/2013	22:00	0	0
3/10/2013	22:15	0	0
3/10/2013	22:30	0	0
3/10/2013	22:45	0	0
3/10/2013	23:00	0	0
3/10/2013	23:15	0	0
3/10/2013	23:30	0	0
3/10/2013	23:45	0	0
3/11/2013	0:00	0	0
3/11/2013	0:15	0	0
3/11/2013	0:30	0	0
3/11/2013	0:45	0	0
3/11/2013	1:00	0	0
3/11/2013	1:15	0	0
3/11/2013	1:30	0	0
3/11/2013	1:45	0	0
3/11/2013	2:00	0	0
3/11/2013	2:15	0	0
3/11/2013	2:30	0	0
3/11/2013	2:45	0	0
3/11/2013	3:00	0	0

Date	Time	Rainfall	
		in	mm
3/11/2013	3:15	0	0
3/11/2013	3:30	0	0
3/11/2013	3:45	0	0
3/11/2013	4:00	0	0
3/11/2013	4:15	0	0
3/11/2013	4:30	0	0
3/11/2013	4:45	0	0
3/11/2013	5:00	0	0
3/11/2013	5:15	0	0
3/11/2013	5:30	0	0
3/11/2013	5:45	0	0
3/11/2013	6:00	0	0
3/11/2013	6:15	0	0
3/11/2013	6:30	0	0
3/11/2013	6:45	0	0
3/11/2013	7:00	0	0
3/11/2013	7:15	0	0
3/11/2013	7:30	0	0
3/11/2013	7:45	0	0
3/11/2013	8:00	0	0
3/11/2013	8:15	0	0
3/11/2013	8:30	0	0
3/11/2013	8:45	0	0
3/11/2013	9:00	0	0
3/11/2013	9:15	0	0
3/11/2013	9:30	0	0
3/11/2013	9:45	0	0
3/11/2013	10:00	0	0
3/11/2013	10:15	0	0
3/11/2013	10:30	0	0
3/11/2013	10:45	0	0
3/11/2013	11:00	0	0
3/11/2013	11:15	0	0
3/11/2013	11:30	0	0
3/11/2013	11:45	0	0
3/11/2013	12:00	0	0
3/11/2013	12:15	0	0
3/11/2013	12:30	0	0
3/11/2013	12:45	0	0

Date	Time	Rainfall	
		in	mm
3/11/2013	13:00	0	0
3/11/2013	13:15	0	0
3/11/2013	13:30	0	0
3/11/2013	13:45	0	0
3/11/2013	14:00	0	0
3/11/2013	14:15	0	0
3/11/2013	14:30	0	0
3/11/2013	14:45	0	0
3/11/2013	15:00	0	0
3/11/2013	15:15	0	0
3/11/2013	15:30	0	0
3/11/2013	15:45	0.01	0.254
3/11/2013	16:00	0	0
3/11/2013	16:15	0	0
3/11/2013	16:30	0	0
3/11/2013	16:45	0	0
3/11/2013	17:00	0.02	0.508
3/11/2013	17:15	0	0
3/11/2013	17:30	0.01	0.254
3/11/2013	17:45	0.01	0.254
3/11/2013	18:00	0.01	0.254
3/11/2013	18:15	0.02	0.508
3/11/2013	18:30	0.01	0.254
3/11/2013	18:45	0	0
3/11/2013	19:00	0.01	0.254
3/11/2013	19:15	0	0
3/11/2013	19:30	0.02	0.508
3/11/2013	19:45	0	0
3/11/2013	20:00	0	0
3/11/2013	20:15	0.01	0.254
3/11/2013	20:30	0	0
3/11/2013	20:45	0	0
3/11/2013	21:00	0	0
3/11/2013	21:15	0	0
3/11/2013	21:30	0.01	0.254
3/11/2013	21:45	0	0
3/11/2013	22:00	0	0
3/11/2013	22:15	0	0
3/11/2013	22:30	0.02	0.508

Date	Time	Rainfall	
		in	mm
3/11/2013	22:45	0.01	0.254
3/11/2013	23:00	0	0
3/11/2013	23:15	0	0
3/11/2013	23:30	0	0
3/11/2013	23:45	0	0
3/12/2013	0:00	0	0
3/12/2013	0:15	0	0
3/12/2013	0:30	0	0
3/12/2013	0:45	0	0
3/12/2013	1:00	0	0
3/12/2013	1:15	0	0
3/12/2013	1:30	0	0
3/12/2013	1:45	0	0
3/12/2013	2:00	0	0
3/12/2013	2:15	0.01	0.254
3/12/2013	2:30	0	0
3/12/2013	2:45	0	0
3/12/2013	3:00	0	0
3/12/2013	3:15	0	0
3/12/2013	3:30	0	0
3/12/2013	3:45	0	0
3/12/2013	4:00	0	0
3/12/2013	4:15	0	0
3/12/2013	4:30	0	0
3/12/2013	4:45	0	0
3/12/2013	5:00	0	0
3/12/2013	5:15	0	0
3/12/2013	5:30	0	0
3/12/2013	5:45	0	0
3/12/2013	6:00	0	0
3/12/2013	6:15	0	0
3/12/2013	6:30	0	0
3/12/2013	6:45	0	0
3/12/2013	7:00	0	0
3/12/2013	7:15	0	0
3/12/2013	7:30	0	0
3/12/2013	7:45	0	0
3/12/2013	8:00	0	0
3/12/2013	8:15	0	0

Date	Time	Rainfall	
		in	mm
3/12/2013	8:30	0	0
3/12/2013	8:45	0	0
3/12/2013	9:00	0	0
3/12/2013	9:15	0	0
3/12/2013	9:30	0	0
3/12/2013	9:45	0	0
3/12/2013	10:00	0	0
3/12/2013	10:15	0	0
3/12/2013	10:30	0	0
3/12/2013	10:45	0	0
3/12/2013	11:00	0	0
3/12/2013	11:15	0.01	0.254
3/12/2013	11:30	0	0
3/12/2013	11:45	0	0
3/12/2013	12:00	0	0
3/12/2013	12:15	0	0
3/12/2013	12:30	0.01	0.254
3/12/2013	12:45	0	0
3/12/2013	13:00	0.01	0.254
3/12/2013	13:15	0	0
3/12/2013	13:30	0.01	0.254
3/12/2013	13:45	0	0
3/12/2013	14:00	0	0
3/12/2013	14:15	0	0
3/12/2013	14:30	0	0
3/12/2013	14:45	0	0
3/12/2013	15:00	0	0
3/12/2013	15:15	0	0
3/12/2013	15:30	0	0
3/12/2013	15:45	0	0
3/12/2013	16:00	0	0
3/12/2013	16:15	0	0
3/12/2013	16:30	0	0
3/12/2013	16:45	0.01	0.254
3/12/2013	17:00	0	0
3/12/2013	17:15	0	0
3/12/2013	17:30	0	0
3/12/2013	17:45	0	0
3/12/2013	18:00	0	0

Date	Time	Rainfall	
		in	mm
3/12/2013	18:15	0.01	0.254
3/12/2013	18:30	0	0
3/12/2013	18:45	0	0
3/12/2013	19:00	0	0
3/12/2013	19:15	0.01	0.254
3/12/2013	19:30	0	0
3/12/2013	19:45	0.01	0.254
3/12/2013	20:00	0	0
3/12/2013	20:15	0.02	0.508
3/12/2013	20:30	0	0
3/12/2013	20:45	0.01	0.254
3/12/2013	21:00	0	0
3/12/2013	21:15	0	0
3/12/2013	21:30	0	0
3/12/2013	21:45	0.01	0.254
3/12/2013	22:00	0	0
3/12/2013	22:15	0	0
3/12/2013	22:30	0.01	0.254
3/12/2013	22:45	0	0
3/12/2013	23:00	0	0
3/12/2013	23:15	0	0
3/12/2013	23:30	0	0
3/12/2013	23:45	0	0
3/13/2013	0:00	0.01	0.254
3/13/2013	0:15	0	0
3/13/2013	0:30	0	0
3/13/2013	0:45	0.01	0.254
3/13/2013	1:00	0	0
3/13/2013	1:15	0	0
3/13/2013	1:30	0	0
3/13/2013	1:45	0	0
3/13/2013	2:00	0	0
3/13/2013	2:15	0	0
3/13/2013	2:30	0	0
3/13/2013	2:45	0	0
3/13/2013	3:00	0	0
3/13/2013	3:15	0	0
3/13/2013	3:30	0	0
3/13/2013	3:45	0	0

Date	Time	Rainfall	
		in	mm
3/13/2013	4:00	0	0
3/13/2013	4:15	0	0
3/13/2013	4:30	0	0
3/13/2013	4:45	0	0
3/13/2013	5:00	0	0
3/13/2013	5:15	0	0
3/13/2013	5:30	0.01	0.254
3/13/2013	5:45	0	0
3/13/2013	6:00	0	0
3/13/2013	6:15	0	0
3/13/2013	6:30	0	0
3/13/2013	6:45	0.01	0.254
3/13/2013	7:00	0	0
3/13/2013	7:15	0	0
3/13/2013	7:30	0	0
3/13/2013	7:45	0	0
3/13/2013	8:00	0	0
3/13/2013	8:15	0	0
3/13/2013	8:30	0	0
3/13/2013	8:45	0	0
3/13/2013	9:00	0	0
3/13/2013	9:15	0	0
3/13/2013	9:30	0.02	0.508
3/13/2013	9:45	0	0
3/13/2013	10:00	0	0
3/13/2013	10:15	0	0
3/13/2013	10:30	0	0
3/13/2013	10:45	0.01	0.254
3/13/2013	11:00	0	0
3/13/2013	11:15	0.01	0.254
3/13/2013	11:30	0.01	0.254
3/13/2013	11:45	0.02	0.508
3/13/2013	12:00	0.01	0.254
3/13/2013	12:15	0.01	0.254
3/13/2013	12:30	0.01	0.254
3/13/2013	12:45	0.01	0.254
3/13/2013	13:00	0.02	0.508
3/13/2013	13:15	0.02	0.508
3/13/2013	13:30	0.01	0.254

Date	Time	Rainfall	
		in	mm
3/13/2013	13:45	0	0
3/13/2013	14:00	0.01	0.254
3/13/2013	14:15	0.01	0.254
3/13/2013	14:30	0	0
3/13/2013	14:45	0.01	0.254
3/13/2013	15:00	0.02	0.508
3/13/2013	15:15	0.01	0.254
3/13/2013	15:30	0.01	0.254
3/13/2013	15:45	0	0
3/13/2013	16:00	0	0
3/13/2013	16:15	0.01	0.254
3/13/2013	16:30	0	0
3/13/2013	16:45	0	0
3/13/2013	17:00	0	0
3/13/2013	17:15	0	0
3/13/2013	17:30	0.01	0.254
3/13/2013	17:45	0	0
3/13/2013	18:00	0	0
3/13/2013	18:15	0	0
3/13/2013	18:30	0	0
3/13/2013	18:45	0	0
3/13/2013	19:00	0	0
3/13/2013	19:15	0	0
3/13/2013	19:30	0	0
3/13/2013	19:45	0	0
3/13/2013	20:00	0	0
3/13/2013	20:15	0	0
3/13/2013	20:30	0	0
3/13/2013	20:45	0	0
3/13/2013	21:00	0	0
3/13/2013	21:15	0	0
3/13/2013	21:30	0	0
3/13/2013	21:45	0	0
3/13/2013	22:00	0	0
3/13/2013	22:15	0	0
3/13/2013	22:30	0	0
3/13/2013	22:45	0	0
3/13/2013	23:00	0	0
3/13/2013	23:15	0	0

Date	Time	Rainfall	
		in	mm
3/13/2013	23:30	0	0
3/13/2013	23:45	0	0
3/14/2013	0:00	0	0
3/14/2013	0:15	0	0
3/14/2013	0:30	0	0
3/14/2013	0:45	0	0
3/14/2013	1:00	0	0
3/14/2013	1:15	0	0
3/14/2013	1:30	0	0
3/14/2013	1:45	0	0
3/14/2013	2:00	0	0
3/14/2013	2:15	0	0
3/14/2013	2:30	0	0
3/14/2013	2:45	0	0
3/14/2013	3:00	0	0
3/14/2013	3:15	0	0
3/14/2013	3:30	0	0
3/14/2013	3:45	0	0
3/14/2013	4:00	0	0
3/14/2013	4:15	0	0
3/14/2013	4:30	0	0
3/14/2013	4:45	0	0
3/14/2013	5:00	0	0
3/14/2013	5:15	0	0
3/14/2013	5:30	0	0
3/14/2013	5:45	0	0
3/14/2013	6:00	0	0
3/14/2013	6:15	0	0
3/14/2013	6:30	0	0
3/14/2013	6:45	0	0
3/14/2013	7:00	0	0
3/14/2013	7:15	0	0
3/14/2013	7:30	0	0
3/14/2013	7:45	0	0
3/14/2013	8:00	0	0
3/14/2013	8:15	0	0
3/14/2013	8:30	0	0
3/14/2013	8:45	0	0
3/14/2013	9:00	0	0

Date	Time	Rainfall	
		in	mm
3/14/2013	9:15	0	0
3/14/2013	9:30	0	0
3/14/2013	9:45	0	0
3/14/2013	10:00	0	0
3/14/2013	10:15	0	0
3/14/2013	10:30	0	0
3/14/2013	10:45	0	0
3/14/2013	11:00	0	0
3/14/2013	11:15	0	0
3/14/2013	11:30	0	0
3/14/2013	11:45	0	0
3/14/2013	12:00	0	0
3/14/2013	12:15	0	0
3/14/2013	12:30	0	0
3/14/2013	12:45	0	0
3/14/2013	13:00	0	0
3/14/2013	13:15	0	0
3/14/2013	13:30	0	0
3/14/2013	13:45	0	0
3/14/2013	14:00	0	0
3/14/2013	14:15	0	0
3/14/2013	14:30	0	0
3/14/2013	14:45	0	0
3/14/2013	15:00	0	0
3/14/2013	15:15	0	0
3/14/2013	15:30	0	0
3/14/2013	15:45	0	0
3/14/2013	16:00	0	0
3/14/2013	16:15	0	0
3/14/2013	16:30	0	0
3/14/2013	16:45	0	0
3/14/2013	17:00	0	0
3/14/2013	17:15	0	0
3/14/2013	17:30	0	0
3/14/2013	17:45	0	0
3/14/2013	18:00	0	0
3/14/2013	18:15	0	0
3/14/2013	18:30	0.01	0.254
3/14/2013	18:45	0.01	0.254

Date	Time	Rainfall	
		in	mm
3/14/2013	19:00	0	0
3/14/2013	19:15	0.01	0.254
3/14/2013	19:30	0	0
3/14/2013	19:45	0	0
3/14/2013	20:00	0.01	0.254
3/14/2013	20:15	0	0
3/14/2013	20:30	0	0
3/14/2013	20:45	0.01	0.254
3/14/2013	21:00	0.01	0.254
3/14/2013	21:15	0	0
3/14/2013	21:30	0	0
3/14/2013	21:45	0	0
3/14/2013	22:00	0	0
3/14/2013	22:15	0	0
3/14/2013	22:30	0	0
3/14/2013	22:45	0	0
3/14/2013	23:00	0	0
3/14/2013	23:15	0.01	0.254
3/14/2013	23:30	0	0
3/14/2013	23:45	0	0
3/15/2013	0:00	0	0
3/15/2013	0:15	0	0
3/15/2013	0:30	0	0
3/15/2013	0:45	0	0
3/15/2013	1:00	0	0
3/15/2013	1:15	0	0
3/15/2013	1:30	0	0
3/15/2013	1:45	0	0
3/15/2013	2:00	0	0
3/15/2013	2:15	0	0
3/15/2013	2:30	0	0
3/15/2013	2:45	0	0
3/15/2013	3:00	0	0
3/15/2013	3:15	0	0
3/15/2013	3:30	0.01	0.254
3/15/2013	3:45	0	0
3/15/2013	4:00	0	0
3/15/2013	4:15	0	0
3/15/2013	4:30	0	0

Date	Time	Rainfall	
		in	mm
3/15/2013	4:45	0	0
3/15/2013	5:00	0	0
3/15/2013	5:15	0	0
3/15/2013	5:30	0	0
3/15/2013	5:45	0	0
3/15/2013	6:00	0	0
3/15/2013	6:15	0	0
3/15/2013	6:30	0	0
3/15/2013	6:45	0	0
3/15/2013	7:00	0	0
3/15/2013	7:15	0	0
3/15/2013	7:30	0	0
3/15/2013	7:45	0	0
3/15/2013	8:00	0	0
3/15/2013	8:15	0	0
3/15/2013	8:30	0	0
3/15/2013	8:45	0	0
3/15/2013	9:00	0.01	0.254
3/15/2013	9:15	0.01	0.254
3/15/2013	9:30	0	0
3/15/2013	9:45	0	0
3/15/2013	10:00	0	0
3/15/2013	10:15	0	0
3/15/2013	10:30	0	0
3/15/2013	10:45	0	0
3/15/2013	11:00	0	0
3/15/2013	11:15	0	0
3/15/2013	11:30	0	0
3/15/2013	11:45	0	0
3/15/2013	12:00	0	0
3/15/2013	12:15	0	0
3/15/2013	12:30	0	0
3/15/2013	12:45	0	0
3/15/2013	13:00	0	0
3/15/2013	13:15	0	0
3/15/2013	13:30	0	0
3/15/2013	13:45	0	0
3/15/2013	14:00	0	0
3/15/2013	14:15	0	0

Date	Time	Rainfall	
		in	mm
3/15/2013	14:30	0	0
3/15/2013	14:45	0	0
3/15/2013	15:00	0	0
3/15/2013	15:15	0	0
3/15/2013	15:30	0	0
3/15/2013	15:45	0	0
3/15/2013	16:00	0	0
3/15/2013	16:15	0	0
3/15/2013	16:30	0.06	1.524
3/15/2013	16:45	0	0
3/15/2013	17:00	0.01	0.254
3/15/2013	17:15	0	0
3/15/2013	17:30	0	0
3/15/2013	17:45	0	0
3/15/2013	18:00	0	0
3/15/2013	18:15	0	0
3/15/2013	18:30	0	0
3/15/2013	18:45	0	0
3/15/2013	19:00	0	0
3/15/2013	19:15	0	0
3/15/2013	19:30	0	0
3/15/2013	19:45	0	0
3/15/2013	20:00	0	0
3/15/2013	20:15	0	0
3/15/2013	20:30	0	0
3/15/2013	20:45	0	0
3/15/2013	21:00	0	0
3/15/2013	21:15	0	0
3/15/2013	21:30	0	0
3/15/2013	21:45	0	0
3/15/2013	22:00	0	0
3/15/2013	22:15	0	0
3/15/2013	22:30	0	0
3/15/2013	22:45	0	0
3/15/2013	23:00	0	0
3/15/2013	23:15	0	0
3/15/2013	23:30	0	0
3/15/2013	23:45	0	0
3/16/2013	0:00	0	0

Date	Time	Rainfall	
		in	mm
3/16/2013	0:15	0	0
3/16/2013	0:30	0	0
3/16/2013	0:45	0	0
3/16/2013	1:00	0	0
3/16/2013	1:15	0	0
3/16/2013	1:30	0	0
3/16/2013	1:45	0	0
3/16/2013	2:00	0	0
3/16/2013	2:15	0	0
3/16/2013	2:30	0	0
3/16/2013	2:45	0	0
3/16/2013	3:00	0	0
3/16/2013	3:15	0	0
3/16/2013	3:30	0	0
3/16/2013	3:45	0	0
3/16/2013	4:00	0	0
3/16/2013	4:15	0	0
3/16/2013	4:30	0	0
3/16/2013	4:45	0	0
3/16/2013	5:00	0	0
3/16/2013	5:15	0	0
3/16/2013	5:30	0	0
3/16/2013	5:45	0	0
3/16/2013	6:00	0	0
3/16/2013	6:15	0	0
3/16/2013	6:30	0	0
3/16/2013	6:45	0	0
3/16/2013	7:00	0	0
3/16/2013	7:15	0	0
3/16/2013	7:30	0	0
3/16/2013	7:45	0.01	0.254
3/16/2013	8:00	0	0
3/16/2013	8:15	0	0
3/16/2013	8:30	0	0
3/16/2013	8:45	0	0
3/16/2013	9:00	0	0
3/16/2013	9:15	0	0
3/16/2013	9:30	0	0
3/16/2013	9:45	0	0

Date	Time	Rainfall	
		in	mm
3/16/2013	10:00	0	0
3/16/2013	10:15	0	0
3/16/2013	10:30	0	0
3/16/2013	10:45	0	0
3/16/2013	11:00	0	0
3/16/2013	11:15	0	0
3/16/2013	11:30	0.01	0.254
3/16/2013	11:45	0.01	0.254
3/16/2013	12:00	0.08	2.032
3/16/2013	12:15	0.09	2.286
3/16/2013	12:30	0	0
3/16/2013	12:45	0	0
3/16/2013	13:00	0	0
3/16/2013	13:15	0	0
3/16/2013	13:30	0	0
3/16/2013	13:45	0	0
3/16/2013	14:00	0	0
3/16/2013	14:15	0	0
3/16/2013	14:30	0	0
3/16/2013	14:45	0	0
3/16/2013	15:00	0	0
3/16/2013	15:15	0.03	0.762
3/16/2013	15:30	0	0
3/16/2013	15:45	0	0
3/16/2013	16:00	0.01	0.254
3/16/2013	16:15	0	0
3/16/2013	16:30	0	0
3/16/2013	16:45	0	0
3/16/2013	17:00	0.01	0.254
3/16/2013	17:15	0	0
3/16/2013	17:30	0	0
3/16/2013	17:45	0	0
3/16/2013	18:00	0	0
3/16/2013	18:15	0	0
3/16/2013	18:30	0	0
3/16/2013	18:45	0	0
3/16/2013	19:00	0	0
3/16/2013	19:15	0	0
3/16/2013	19:30	0	0

Date	Time	Rainfall	
		in	mm
3/16/2013	19:45	0	0
3/16/2013	20:00	0.01	0.254
3/16/2013	20:15	0.02	0.508
3/16/2013	20:30	0.01	0.254
3/16/2013	20:45	0	0
3/16/2013	21:00	0	0
3/16/2013	21:15	0.04	1.016
3/16/2013	21:30	0	0
3/16/2013	21:45	0.01	0.254
3/16/2013	22:00	0	0
3/16/2013	22:15	0	0
3/16/2013	22:30	0	0
3/16/2013	22:45	0	0
3/16/2013	23:00	0	0
3/16/2013	23:15	0	0
3/16/2013	23:30	0	0
3/16/2013	23:45	0	0
3/17/2013	0:00	0	0
3/17/2013	0:15	0	0
3/17/2013	0:30	0	0
3/17/2013	0:45	0	0
3/17/2013	1:00	0	0
3/17/2013	1:15	0	0
3/17/2013	1:30	0	0
3/17/2013	1:45	0	0
3/17/2013	2:00	0	0
3/17/2013	2:15	0	0
3/17/2013	2:30	0	0
3/17/2013	2:45	0	0
3/17/2013	3:00	0	0
3/17/2013	3:15	0	0
3/17/2013	3:30	0	0
3/17/2013	3:45	0	0
3/17/2013	4:00	0	0
3/17/2013	4:15	0	0
3/17/2013	4:30	0	0
3/17/2013	4:45	0	0
3/17/2013	5:00	0	0
3/17/2013	5:15	0	0

Date	Time	Rainfall	
		in	mm
3/17/2013	5:30	0	0
3/17/2013	5:45	0	0
3/17/2013	6:00	0	0
3/17/2013	6:15	0	0
3/17/2013	6:30	0	0
3/17/2013	6:45	0	0
3/17/2013	7:00	0	0
3/17/2013	7:15	0	0
3/17/2013	7:30	0	0
3/17/2013	7:45	0	0
3/17/2013	8:00	0	0
3/17/2013	8:15	0	0
3/17/2013	8:30	0	0
3/17/2013	8:45	0	0
3/17/2013	9:00	0	0
3/17/2013	9:15	0	0
3/17/2013	9:30	0	0
3/17/2013	9:45	0	0
3/17/2013	10:00	0	0
3/17/2013	10:15	0	0
3/17/2013	10:30	0	0
3/17/2013	10:45	0	0
3/17/2013	11:00	0	0
3/17/2013	11:15	0	0
3/17/2013	11:30	0	0
3/17/2013	11:45	0	0
3/17/2013	12:00	0	0
3/17/2013	12:15	0	0
3/17/2013	12:30	0	0
3/17/2013	12:45	0	0
3/17/2013	13:00	0.04	1.016
3/17/2013	13:15	0.01	0.254
3/17/2013	13:30	0	0
3/17/2013	13:45	0	0
3/17/2013	14:00	0	0
3/17/2013	14:15	0	0
3/17/2013	14:30	0.03	0.762
3/17/2013	14:45	0.01	0.254
3/17/2013	15:00	0	0

Date	Time	Rainfall	
		in	mm
3/17/2013	15:15	0	0
3/17/2013	15:30	0	0
3/17/2013	15:45	0	0
3/17/2013	16:00	0	0
3/17/2013	16:15	0	0
3/17/2013	16:30	0	0
3/17/2013	16:45	0	0
3/17/2013	17:00	0	0
3/17/2013	17:15	0	0
3/17/2013	17:30	0	0
3/17/2013	17:45	0	0
3/17/2013	18:00	0	0
3/17/2013	18:15	0	0
3/17/2013	18:30	0	0
3/17/2013	18:45	0	0
3/17/2013	19:00	0	0
3/17/2013	19:15	0	0
3/17/2013	19:30	0	0
3/17/2013	19:45	0	0
3/17/2013	20:00	0	0
3/17/2013	20:15	0	0
3/17/2013	20:30	0	0
3/17/2013	20:45	0	0
3/17/2013	21:00	0	0
3/17/2013	21:15	0	0
3/17/2013	21:30	0	0
3/17/2013	21:45	0	0
3/17/2013	22:00	0	0
3/17/2013	22:15	0	0
3/17/2013	22:30	0	0
3/17/2013	22:45	0	0
3/17/2013	23:00	0	0
3/17/2013	23:15	0	0
3/17/2013	23:30	0	0
3/17/2013	23:45	0	0
3/18/2013	0:00	0	0
3/18/2013	0:15	0	0
3/18/2013	0:30	0	0
3/18/2013	0:45	0	0

Date	Time	Rainfall	
		in	mm
3/18/2013	1:00	0	0
3/18/2013	1:15	0	0
3/18/2013	1:30	0	0
3/18/2013	1:45	0	0
3/18/2013	2:00	0	0
3/18/2013	2:15	0	0
3/18/2013	2:30	0	0
3/18/2013	2:45	0	0
3/18/2013	3:00	0	0
3/18/2013	3:15	0	0
3/18/2013	3:30	0	0
3/18/2013	3:45	0	0
3/18/2013	4:00	0	0
3/18/2013	4:15	0	0
3/18/2013	4:30	0	0
3/18/2013	4:45	0	0
3/18/2013	5:00	0	0
3/18/2013	5:15	0	0
3/18/2013	5:30	0	0
3/18/2013	5:45	0	0
3/18/2013	6:00	0	0
3/18/2013	6:15	0	0
3/18/2013	6:30	0	0
3/18/2013	6:45	0.01	0.254
3/18/2013	7:00	0.02	0.508
3/18/2013	7:15	0.02	0.508
3/18/2013	7:30	0	0
3/18/2013	7:45	0.01	0.254
3/18/2013	8:00	0	0
3/18/2013	8:15	0.02	0.508
3/18/2013	8:30	0	0
3/18/2013	8:45	0	0
3/18/2013	9:00	0	0
3/18/2013	9:15	0.01	0.254
3/18/2013	9:30	0	0
3/18/2013	9:45	0	0
3/18/2013	10:00	0	0
3/18/2013	10:15	0	0
3/18/2013	10:30	0	0

Date	Time	Rainfall	
		in	mm
3/18/2013	10:45	0	0
3/18/2013	11:00	0	0
3/18/2013	11:15	0	0
3/18/2013	11:30	0	0
3/18/2013	11:45	0	0
3/18/2013	12:00	0	0
3/18/2013	12:15	0	0
3/18/2013	12:30	0	0
3/18/2013	12:45	0	0
3/18/2013	13:00	0	0
3/18/2013	13:15	0	0
3/18/2013	13:30	0	0
3/18/2013	13:45	0	0
3/18/2013	14:00	0	0
3/18/2013	14:15	0	0
3/18/2013	14:30	0	0
3/18/2013	14:45	0	0
3/18/2013	15:00	0	0
3/18/2013	15:15	0	0
3/18/2013	15:30	0	0
3/18/2013	15:45	0	0
3/18/2013	16:00	0	0
3/18/2013	16:15	0	0
3/18/2013	16:30	0	0
3/18/2013	16:45	0	0
3/18/2013	17:00	0	0
3/18/2013	17:15	0	0
3/18/2013	17:30	0	0
3/18/2013	17:45	0	0
3/18/2013	18:00	0	0
3/18/2013	18:15	0	0
3/18/2013	18:30	0	0
3/18/2013	18:45	0	0
3/18/2013	19:00	0	0
3/18/2013	19:15	0	0
3/18/2013	19:30	0	0
3/18/2013	19:45	0	0
3/18/2013	20:00	0	0
3/18/2013	20:15	0	0

Date	Time	Rainfall	
		in	mm
3/18/2013	20:30	0	0
3/18/2013	20:45	0	0
3/18/2013	21:00	0	0
3/18/2013	21:15	0	0
3/18/2013	21:30	0	0
3/18/2013	21:45	0	0
3/18/2013	22:00	0	0
3/18/2013	22:15	0	0
3/18/2013	22:30	0	0
3/18/2013	22:45	0	0
3/18/2013	23:00	0	0
3/18/2013	23:15	0	0
3/18/2013	23:30	0	0
3/18/2013	23:45	0	0
3/19/2013	0:00	0	0
3/19/2013	0:15	0	0
3/19/2013	0:30	0	0
3/19/2013	0:45	0	0
3/19/2013	1:00	0	0
3/19/2013	1:15	0	0
3/19/2013	1:30	0	0
3/19/2013	1:45	0	0
3/19/2013	2:00	0	0
3/19/2013	2:15	0	0
3/19/2013	2:30	0	0
3/19/2013	2:45	0	0
3/19/2013	3:00	0	0
3/19/2013	3:15	0	0
3/19/2013	3:30	0	0
3/19/2013	3:45	0	0
3/19/2013	4:00	0	0
3/19/2013	4:15	0	0
3/19/2013	4:30	0	0
3/19/2013	4:45	0	0
3/19/2013	5:00	0	0
3/19/2013	5:15	0	0
3/19/2013	5:30	0	0
3/19/2013	5:45	0	0
3/19/2013	6:00	0	0

Date	Time	Rainfall	
		in	mm
3/19/2013	6:15	0	0
3/19/2013	6:30	0	0
3/19/2013	6:45	0	0
3/19/2013	7:00	0	0
3/19/2013	7:15	0	0
3/19/2013	7:30	0	0
3/19/2013	7:45	0	0
3/19/2013	8:00	0	0
3/19/2013	8:15	0	0
3/19/2013	8:30	0	0
3/19/2013	8:45	0	0
3/19/2013	9:00	0	0
3/19/2013	9:15	0	0
3/19/2013	9:30	0	0
3/19/2013	9:45	0	0
3/19/2013	10:00	0	0
3/19/2013	10:15	0	0
3/19/2013	10:30	0	0
3/19/2013	10:45	0	0
3/19/2013	11:00	0	0
3/19/2013	11:15	0	0
3/19/2013	11:30	0	0
3/19/2013	11:45	0	0
3/19/2013	12:00	0	0
3/19/2013	12:15	0	0
3/19/2013	12:30	0	0
3/19/2013	12:45	0	0
3/19/2013	13:00	0	0
3/19/2013	13:15	0	0
3/19/2013	13:30	0	0
3/19/2013	13:45	0	0
3/19/2013	14:00	0	0
3/19/2013	14:15	0	0
3/19/2013	14:30	0	0
3/19/2013	14:45	0	0
3/19/2013	15:00	0	0
3/19/2013	15:15	0.01	0.254
3/19/2013	15:30	0.01	0.254
3/19/2013	15:45	0.01	0.254

Date	Time	Rainfall	
		in	mm
3/19/2013	16:00	0.01	0.254
3/19/2013	16:15	0.01	0.254
3/19/2013	16:30	0.01	0.254
3/19/2013	16:45	0.01	0.254
3/19/2013	17:00	0	0
3/19/2013	17:15	0.01	0.254
3/19/2013	17:30	0.01	0.254
3/19/2013	17:45	0.01	0.254
3/19/2013	18:00	0.02	0.508
3/19/2013	18:15	0.02	0.508
3/19/2013	18:30	0.04	1.016
3/19/2013	18:45	0	0
3/19/2013	19:00	0.01	0.254
3/19/2013	19:15	0.02	0.508
3/19/2013	19:30	0.01	0.254
3/19/2013	19:45	0.03	0.762
3/19/2013	20:00	0.01	0.254
3/19/2013	20:15	0	0
3/19/2013	20:30	0	0
3/19/2013	20:45	0.01	0.254
3/19/2013	21:00	0	0
3/19/2013	21:15	0	0
3/19/2013	21:30	0	0
3/19/2013	21:45	0.03	0.762
3/19/2013	22:00	0.01	0.254
3/19/2013	22:15	0.01	0.254
3/19/2013	22:30	0.01	0.254
3/19/2013	22:45	0.03	0.762
3/19/2013	23:00	0	0
3/19/2013	23:15	0.01	0.254
3/19/2013	23:30	0.03	0.762
3/19/2013	23:45	0.03	0.762
3/20/2013	0:00	0.03	0.762
3/20/2013	0:15	0.03	0.762
3/20/2013	0:30	0.02	0.508
3/20/2013	0:45	0.01	0.254
3/20/2013	1:00	0.01	0.254
3/20/2013	1:15	0.01	0.254
3/20/2013	1:30	0.01	0.254

Date	Time	Rainfall	
		in	mm
3/20/2013	1:45	0.02	0.508
3/20/2013	2:00	0.01	0.254
3/20/2013	2:15	0.01	0.254
3/20/2013	2:30	0	0
3/20/2013	2:45	0.01	0.254
3/20/2013	3:00	0.01	0.254
3/20/2013	3:15	0.01	0.254
3/20/2013	3:30	0.02	0.508
3/20/2013	3:45	0.01	0.254
3/20/2013	4:00	0.02	0.508
3/20/2013	4:15	0.04	1.016
3/20/2013	4:30	0.03	0.762
3/20/2013	4:45	0.03	0.762
3/20/2013	5:00	0.06	1.524
3/20/2013	5:15	0.03	0.762
3/20/2013	5:30	0.03	0.762
3/20/2013	5:45	0.02	0.508
3/20/2013	6:00	0.01	0.254
3/20/2013	6:15	0.02	0.508
3/20/2013	6:30	0.03	0.762
3/20/2013	6:45	0.02	0.508
3/20/2013	7:00	0.05	1.27
3/20/2013	7:15	0.03	0.762
3/20/2013	7:30	0.02	0.508
3/20/2013	7:45	0.02	0.508
3/20/2013	8:00	0.02	0.508
3/20/2013	8:15	0.02	0.508
3/20/2013	8:30	0	0
3/20/2013	8:45	0.04	1.016
3/20/2013	9:00	0	0
3/20/2013	9:15	0	0
3/20/2013	9:30	0	0
3/20/2013	9:45	0	0
3/20/2013	10:00	0	0
3/20/2013	10:15	0	0
3/20/2013	10:30	0	0
3/20/2013	10:45	0	0
3/20/2013	11:00	0.01	0.254
3/20/2013	11:15	0	0

Date	Time	Rainfall	
		in	mm
3/20/2013	11:30	0	0
3/20/2013	11:45	0	0
3/20/2013	12:00	0.14	3.556
3/20/2013	12:15	0.07	1.778
3/20/2013	12:30	0	0
3/20/2013	12:45	0.01	0.254
3/20/2013	13:00	0.01	0.254
3/20/2013	13:15	0.01	0.254
3/20/2013	13:30	0.02	0.508
3/20/2013	13:45	0.01	0.254
3/20/2013	14:00	0.01	0.254
3/20/2013	14:15	0.02	0.508
3/20/2013	14:30	0	0
3/20/2013	14:45	0	0
3/20/2013	15:00	0.04	1.016
3/20/2013	15:15	0	0
3/20/2013	15:30	0.01	0.254
3/20/2013	15:45	0	0
3/20/2013	16:00	0	0
3/20/2013	16:15	0.01	0.254
3/20/2013	16:30	0.02	0.508
3/20/2013	16:45	0	0
3/20/2013	17:00	0	0
3/20/2013	17:15	0.01	0.254
3/20/2013	17:30	0	0
3/20/2013	17:45	0	0
3/20/2013	18:00	0	0
3/20/2013	18:15	0	0
3/20/2013	18:30	0	0
3/20/2013	18:45	0	0
3/20/2013	19:00	0	0
3/20/2013	19:15	0	0
3/20/2013	19:30	0	0
3/20/2013	19:45	0	0
3/20/2013	20:00	0	0
3/20/2013	20:15	0	0
3/20/2013	20:30	0	0
3/20/2013	20:45	0	0
3/20/2013	21:00	0	0

Date	Time	Rainfall	
		in	mm
3/20/2013	21:15	0	0
3/20/2013	21:30	0	0
3/20/2013	21:45	0	0
3/20/2013	22:00	0.02	0.508
3/20/2013	22:15	0	0
3/20/2013	22:30	0	0
3/20/2013	22:45	0	0
3/20/2013	23:00	0	0
3/20/2013	23:15	0	0
3/20/2013	23:30	0	0
3/20/2013	23:45	0	0
3/21/2013	0:00	0	0
3/21/2013	0:15	0	0
3/21/2013	0:30	0	0
3/21/2013	0:45	0.01	0.254
3/21/2013	1:00	0	0
3/21/2013	1:15	0	0
3/21/2013	1:30	0	0
3/21/2013	1:45	0	0
3/21/2013	2:00	0	0
3/21/2013	2:15	0	0
3/21/2013	2:30	0	0
3/21/2013	2:45	0.04	1.016
3/21/2013	3:00	0.01	0.254
3/21/2013	3:15	0	0
3/21/2013	3:30	0	0
3/21/2013	3:45	0	0
3/21/2013	4:00	0	0
3/21/2013	4:15	0	0
3/21/2013	4:30	0	0
3/21/2013	4:45	0	0
3/21/2013	5:00	0	0
3/21/2013	5:15	0	0
3/21/2013	5:30	0	0
3/21/2013	5:45	0	0
3/21/2013	6:00	0	0
3/21/2013	6:15	0	0
3/21/2013	6:30	0.01	0.254
3/21/2013	6:45	0.02	0.508

Date	Time	Rainfall	
		in	mm
3/21/2013	7:00	0.02	0.508
3/21/2013	7:15	0.01	0.254
3/21/2013	7:30	0	0
3/21/2013	7:45	0	0
3/21/2013	8:00	0	0
3/21/2013	8:15	0	0
3/21/2013	8:30	0	0
3/21/2013	8:45	0	0
3/21/2013	9:00	0	0
3/21/2013	9:15	0	0
3/21/2013	9:30	0	0
3/21/2013	9:45	0	0
3/21/2013	10:00	0	0
3/21/2013	10:15	0	0
3/21/2013	10:30	0	0
3/21/2013	10:45	0	0
3/21/2013	11:00	0	0
3/21/2013	11:15	0	0
3/21/2013	11:30	0	0
3/21/2013	11:45	0	0
3/21/2013	12:00	0	0
3/21/2013	12:15	0	0
3/21/2013	12:30	0	0
3/21/2013	12:45	0.01	0.254
3/21/2013	13:00	0	0
3/21/2013	13:15	0	0
3/21/2013	13:30	0	0
3/21/2013	13:45	0	0
3/21/2013	14:00	0	0
3/21/2013	14:15	0	0
3/21/2013	14:30	0	0
3/21/2013	14:45	0	0
3/21/2013	15:00	0	0
3/21/2013	15:15	0	0
3/21/2013	15:30	0	0
3/21/2013	15:45	0	0
3/21/2013	16:00	0	0
3/21/2013	16:15	0	0
3/21/2013	16:30	0	0

Date	Time	Rainfall	
		in	mm
3/21/2013	16:45	0	0
3/21/2013	17:00	0	0
3/21/2013	17:15	0	0
3/21/2013	17:30	0	0
3/21/2013	17:45	0	0
3/21/2013	18:00	0	0
3/21/2013	18:15	0	0
3/21/2013	18:30	0	0
3/21/2013	18:45	0	0
3/21/2013	19:00	0	0
3/21/2013	19:15	0	0
3/21/2013	19:30	0	0
3/21/2013	19:45	0	0
3/21/2013	20:00	0	0
3/21/2013	20:15	0	0
3/21/2013	20:30	0	0
3/21/2013	20:45	0	0
3/21/2013	21:00	0	0
3/21/2013	21:15	0	0
3/21/2013	21:30	0	0
3/21/2013	21:45	0	0
3/21/2013	22:00	0	0
3/21/2013	22:15	0	0
3/21/2013	22:30	0	0
3/21/2013	22:45	0	0
3/21/2013	23:00	0	0
3/21/2013	23:15	0	0
3/21/2013	23:30	0	0
3/21/2013	23:45	0	0
3/22/2013	0:00	0	0
3/22/2013	0:15	0	0
3/22/2013	0:30	0	0
3/22/2013	0:45	0	0
3/22/2013	1:00	0	0
3/22/2013	1:15	0	0
3/22/2013	1:30	0	0
3/22/2013	1:45	0	0
3/22/2013	2:00	0	0
3/22/2013	2:15	0	0

Date	Time	Rainfall	
		in	mm
3/22/2013	2:30	0	0
3/22/2013	2:45	0	0
3/22/2013	3:00	0	0
3/22/2013	3:15	0	0
3/22/2013	3:30	0	0
3/22/2013	3:45	0	0
3/22/2013	4:00	0	0
3/22/2013	4:15	0	0
3/22/2013	4:30	0	0
3/22/2013	4:45	0	0
3/22/2013	5:00	0	0
3/22/2013	5:15	0	0
3/22/2013	5:30	0	0
3/22/2013	5:45	0	0
3/22/2013	6:00	0	0
3/22/2013	6:15	0	0
3/22/2013	6:30	0	0
3/22/2013	6:45	0	0
3/22/2013	7:00	0	0
3/22/2013	7:15	0	0
3/22/2013	7:30	0	0
3/22/2013	7:45	0	0
3/22/2013	8:00	0	0
3/22/2013	8:15	0	0
3/22/2013	8:30	0	0
3/22/2013	8:45	0	0
3/22/2013	9:00	0	0
3/22/2013	9:15	0	0
3/22/2013	9:30	0	0
3/22/2013	9:45	0.01	0.254
3/22/2013	10:00	0	0
3/22/2013	10:15	0	0
3/22/2013	10:30	0	0
3/22/2013	10:45	0	0
3/22/2013	11:00	0	0
3/22/2013	11:15	0	0
3/22/2013	11:30	0	0
3/22/2013	11:45	0	0
3/22/2013	12:00	0	0

Date	Time	Rainfall	
		in	mm
3/22/2013	12:15	0	0
3/22/2013	12:30	0	0
3/22/2013	12:45	0	0
3/22/2013	13:00	0	0
3/22/2013	13:15	0	0
3/22/2013	13:30	0	0
3/22/2013	13:45	0	0
3/22/2013	14:00	0	0
3/22/2013	14:15	0	0
3/22/2013	14:30	0	0
3/22/2013	14:45	0	0
3/22/2013	15:00	0	0
3/22/2013	15:15	0	0
3/22/2013	15:30	0	0
3/22/2013	15:45	0	0
3/22/2013	16:00	0	0
3/22/2013	16:15	0	0
3/22/2013	16:30	0	0
3/22/2013	16:45	0	0
3/22/2013	17:00	0	0
3/22/2013	17:15	0	0
3/22/2013	17:30	0	0
3/22/2013	17:45	0	0
3/22/2013	18:00	0	0
3/22/2013	18:15	0	0
3/22/2013	18:30	0	0
3/22/2013	18:45	0	0
3/22/2013	19:00	0	0
3/22/2013	19:15	0	0
3/22/2013	19:30	0	0
3/22/2013	19:45	0	0
3/22/2013	20:00	0	0
3/22/2013	20:15	0	0
3/22/2013	20:30	0	0
3/22/2013	20:45	0	0
3/22/2013	21:00	0	0
3/22/2013	21:15	0	0
3/22/2013	21:30	0	0
3/22/2013	21:45	0	0

Date	Time	Rainfall	
		in	mm
3/22/2013	22:00	0	0
3/22/2013	22:15	0	0
3/22/2013	22:30	0	0
3/22/2013	22:45	0	0
3/22/2013	23:00	0	0
3/22/2013	23:15	0	0
3/22/2013	23:30	0	0
3/22/2013	23:45	0	0
3/23/2013	0:00	0	0
3/23/2013	0:15	0	0
3/23/2013	0:30	0	0
3/23/2013	0:45	0	0
3/23/2013	1:00	0	0
3/23/2013	1:15	0	0
3/23/2013	1:30	0	0
3/23/2013	1:45	0	0
3/23/2013	2:00	0	0
3/23/2013	2:15	0	0
3/23/2013	2:30	0	0
3/23/2013	2:45	0	0
3/23/2013	3:00	0	0
3/23/2013	3:15	0	0
3/23/2013	3:30	0	0
3/23/2013	3:45	0	0
3/23/2013	4:00	0	0
3/23/2013	4:15	0	0
3/23/2013	4:30	0	0
3/23/2013	4:45	0	0
3/23/2013	5:00	0	0
3/23/2013	5:15	0	0
3/23/2013	5:30	0	0
3/23/2013	5:45	0	0
3/23/2013	6:00	0	0
3/23/2013	6:15	0	0
3/23/2013	6:30	0	0
3/23/2013	6:45	0	0
3/23/2013	7:00	0	0
3/23/2013	7:15	0	0
3/23/2013	7:30	0	0

Date	Time	Rainfall	
		in	mm
3/23/2013	7:45	0	0
3/23/2013	8:00	0	0
3/23/2013	8:15	0	0
3/23/2013	8:30	0	0
3/23/2013	8:45	0	0
3/23/2013	9:00	0	0
3/23/2013	9:15	0	0
3/23/2013	9:30	0	0
3/23/2013	9:45	0	0
3/23/2013	10:00	0	0
3/23/2013	10:15	0	0
3/23/2013	10:30	0	0
3/23/2013	10:45	0	0
3/23/2013	11:00	0	0
3/23/2013	11:15	0	0
3/23/2013	11:30	0	0
3/23/2013	11:45	0	0
3/23/2013	12:00	0	0
3/23/2013	12:15	0	0
3/23/2013	12:30	0	0
3/23/2013	12:45	0	0
3/23/2013	13:00	0	0
3/23/2013	13:15	0	0
3/23/2013	13:30	0	0
3/23/2013	13:45	0	0
3/23/2013	14:00	0	0
3/23/2013	14:15	0	0
3/23/2013	14:30	0	0
3/23/2013	14:45	0	0
3/23/2013	15:00	0	0
3/23/2013	15:15	0	0
3/23/2013	15:30	0	0
3/23/2013	15:45	0	0
3/23/2013	16:00	0	0
3/23/2013	16:15	0	0
3/23/2013	16:30	0	0
3/23/2013	16:45	0	0
3/23/2013	17:00	0	0
3/23/2013	17:15	0	0

Date	Time	Rainfall	
		in	mm
3/23/2013	17:30	0	0
3/23/2013	17:45	0	0
3/23/2013	18:00	0	0
3/23/2013	18:15	0	0
3/23/2013	18:30	0	0
3/23/2013	18:45	0	0
3/23/2013	19:00	0	0
3/23/2013	19:15	0	0
3/23/2013	19:30	0	0
3/23/2013	19:45	0	0
3/23/2013	20:00	0	0
3/23/2013	20:15	0	0
3/23/2013	20:30	0	0
3/23/2013	20:45	0	0
3/23/2013	21:00	0	0
3/23/2013	21:15	0	0
3/23/2013	21:30	0	0
3/23/2013	21:45	0	0
3/23/2013	22:00	0	0
3/23/2013	22:15	0	0
3/23/2013	22:30	0	0
3/23/2013	22:45	0	0
3/23/2013	23:00	0	0
3/23/2013	23:15	0	0
3/23/2013	23:30	0	0
3/23/2013	23:45	0	0
3/24/2013	0:00	0	0
3/24/2013	0:15	0	0
3/24/2013	0:30	0	0
3/24/2013	0:45	0	0
3/24/2013	1:00	0	0
3/24/2013	1:15	0	0
3/24/2013	1:30	0	0
3/24/2013	1:45	0	0
3/24/2013	2:00	0	0
3/24/2013	2:15	0	0
3/24/2013	2:30	0	0
3/24/2013	2:45	0	0
3/24/2013	3:00	0	0

Date	Time	Rainfall	
		in	mm
3/24/2013	3:15	0	0
3/24/2013	3:30	0	0
3/24/2013	3:45	0	0
3/24/2013	4:00	0	0
3/24/2013	4:15	0	0
3/24/2013	4:30	0	0
3/24/2013	4:45	0	0
3/24/2013	5:00	0	0
3/24/2013	5:15	0	0
3/24/2013	5:30	0	0
3/24/2013	5:45	0	0
3/24/2013	6:00	0	0
3/24/2013	6:15	0	0
3/24/2013	6:30	0	0
3/24/2013	6:45	0	0
3/24/2013	7:00	0	0
3/24/2013	7:15	0	0
3/24/2013	7:30	0	0
3/24/2013	7:45	0	0
3/24/2013	8:00	0	0
3/24/2013	8:15	0	0
3/24/2013	8:30	0	0
3/24/2013	8:45	0	0
3/24/2013	9:00	0	0
3/24/2013	9:15	0	0
3/24/2013	9:30	0	0
3/24/2013	9:45	0	0
3/24/2013	10:00	0	0
3/24/2013	10:15	0	0
3/24/2013	10:30	0	0
3/24/2013	10:45	0	0
3/24/2013	11:00	0	0
3/24/2013	11:15	0	0
3/24/2013	11:30	0	0
3/24/2013	11:45	0	0
3/24/2013	12:00	0	0
3/24/2013	12:15	0	0
3/24/2013	12:30	0	0
3/24/2013	12:45	0	0

Date	Time	Rainfall	
		in	mm
3/24/2013	13:00	0	0
3/24/2013	13:15	0	0
3/24/2013	13:30	0	0
3/24/2013	13:45	0	0
3/24/2013	14:00	0	0
3/24/2013	14:15	0	0
3/24/2013	14:30	0	0
3/24/2013	14:45	0	0
3/24/2013	15:00	0	0
3/24/2013	15:15	0	0
3/24/2013	15:30	0	0
3/24/2013	15:45	0	0
3/24/2013	16:00	0	0
3/24/2013	16:15	0	0
3/24/2013	16:30	0	0
3/24/2013	16:45	0	0
3/24/2013	17:00	0	0
3/24/2013	17:15	0	0
3/24/2013	17:30	0	0
3/24/2013	17:45	0	0
3/24/2013	18:00	0	0
3/24/2013	18:15	0	0
3/24/2013	18:30	0	0
3/24/2013	18:45	0	0
3/24/2013	19:00	0	0
3/24/2013	19:15	0	0
3/24/2013	19:30	0	0
3/24/2013	19:45	0	0
3/24/2013	20:00	0	0
3/24/2013	20:15	0	0
3/24/2013	20:30	0	0
3/24/2013	20:45	0	0
3/24/2013	21:00	0	0
3/24/2013	21:15	0	0
3/24/2013	21:30	0	0
3/24/2013	21:45	0	0
3/24/2013	22:00	0	0
3/24/2013	22:15	0	0
3/24/2013	22:30	0	0

Date	Time	Rainfall	
		in	mm
3/24/2013	22:45	0	0
3/24/2013	23:00	0	0
3/24/2013	23:15	0	0
3/24/2013	23:30	0	0
3/24/2013	23:45	0	0
3/25/2013	0:00	0	0
3/25/2013	0:15	0	0
3/25/2013	0:30	0	0
3/25/2013	0:45	0	0
3/25/2013	1:00	0	0
3/25/2013	1:15	0	0
3/25/2013	1:30	0	0
3/25/2013	1:45	0	0
3/25/2013	2:00	0	0
3/25/2013	2:15	0	0
3/25/2013	2:30	0	0
3/25/2013	2:45	0	0
3/25/2013	3:00	0	0
3/25/2013	3:15	0	0
3/25/2013	3:30	0	0
3/25/2013	3:45	0	0
3/25/2013	4:00	0	0
3/25/2013	4:15	0	0
3/25/2013	4:30	0	0
3/25/2013	4:45	0	0
3/25/2013	5:00	0	0
3/25/2013	5:15	0	0
3/25/2013	5:30	0	0
3/25/2013	5:45	0	0
3/25/2013	6:00	0	0
3/25/2013	6:15	0	0
3/25/2013	6:30	0	0
3/25/2013	6:45	0	0
3/25/2013	7:00	0	0
3/25/2013	7:15	0	0
3/25/2013	7:30	0	0
3/25/2013	7:45	0	0
3/25/2013	8:00	0	0
3/25/2013	8:15	0	0

Date	Time	Rainfall	
		in	mm
3/25/2013	8:30	0	0
3/25/2013	8:45	0	0
3/25/2013	9:00	0	0
3/25/2013	9:15	0	0
3/25/2013	9:30	0	0
3/25/2013	9:45	0	0
3/25/2013	10:00	0	0
3/25/2013	10:15	0	0
3/25/2013	10:30	0	0
3/25/2013	10:45	0	0
3/25/2013	11:00	0	0
3/25/2013	11:15	0	0
3/25/2013	11:30	0	0
3/25/2013	11:45	0	0
3/25/2013	12:00	0	0
3/25/2013	12:15	0	0
3/25/2013	12:30	0	0
3/25/2013	12:45	0	0
3/25/2013	13:00	0	0
3/25/2013	13:15	0	0
3/25/2013	13:30	0	0
3/25/2013	13:45	0	0
3/25/2013	14:00	0	0
3/25/2013	14:15	0	0
3/25/2013	14:30	0	0
3/25/2013	14:45	0	0
3/25/2013	15:00	0	0
3/25/2013	15:15	0	0
3/25/2013	15:30	0	0
3/25/2013	15:45	0	0
3/25/2013	16:00	0	0
3/25/2013	16:15	0	0
3/25/2013	16:30	0	0
3/25/2013	16:45	0	0
3/25/2013	17:00	0	0
3/25/2013	17:15	0	0
3/25/2013	17:30	0	0
3/25/2013	17:45	0	0
3/25/2013	18:00	0	0

Date	Time	Rainfall	
		in	mm
3/25/2013	18:15	0	0
3/25/2013	18:30	0	0
3/25/2013	18:45	0	0
3/25/2013	19:00	0	0
3/25/2013	19:15	0	0
3/25/2013	19:30	0	0
3/25/2013	19:45	0	0
3/25/2013	20:00	0	0
3/25/2013	20:15	0	0
3/25/2013	20:30	0	0
3/25/2013	20:45	0	0
3/25/2013	21:00	0	0
3/25/2013	21:15	0	0
3/25/2013	21:30	0	0
3/25/2013	21:45	0	0
3/25/2013	22:00	0	0
3/25/2013	22:15	0	0
3/25/2013	22:30	0	0
3/25/2013	22:45	0	0
3/25/2013	23:00	0	0
3/25/2013	23:15	0	0
3/25/2013	23:30	0	0
3/25/2013	23:45	0	0
3/26/2013	0:00	0	0
3/26/2013	0:15	0	0
3/26/2013	0:30	0	0
3/26/2013	0:45	0	0
3/26/2013	1:00	0	0
3/26/2013	1:15	0	0
3/26/2013	1:30	0	0
3/26/2013	1:45	0	0
3/26/2013	2:00	0	0
3/26/2013	2:15	0	0
3/26/2013	2:30	0	0
3/26/2013	2:45	0	0
3/26/2013	3:00	0	0
3/26/2013	3:15	0	0
3/26/2013	3:30	0	0
3/26/2013	3:45	0	0

Date	Time	Rainfall	
		in	mm
3/26/2013	4:00	0	0
3/26/2013	4:15	0	0
3/26/2013	4:30	0	0
3/26/2013	4:45	0	0
3/26/2013	5:00	0	0
3/26/2013	5:15	0	0
3/26/2013	5:30	0	0
3/26/2013	5:45	0	0
3/26/2013	6:00	0	0
3/26/2013	6:15	0	0
3/26/2013	6:30	0	0
3/26/2013	6:45	0	0
3/26/2013	7:00	0	0
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3/26/2013	7:30	0	0
3/26/2013	7:45	0	0
3/26/2013	8:00	0	0
3/26/2013	8:15	0	0
3/26/2013	8:30	0	0
3/26/2013	8:45	0	0
3/26/2013	9:00	0	0
3/26/2013	9:15	0	0
3/26/2013	9:30	0	0
3/26/2013	9:45	0	0
3/26/2013	10:00	0	0
3/26/2013	10:15	0	0
3/26/2013	10:30	0	0
3/26/2013	10:45	0	0
3/26/2013	11:00	0	0
3/26/2013	11:15	0	0
3/26/2013	11:30	0	0
3/26/2013	11:45	0	0
3/26/2013	12:00	0	0
3/26/2013	12:15	0	0
3/26/2013	12:30	0	0
3/26/2013	12:45	0	0
3/26/2013	13:00	0	0
3/26/2013	13:15	0	0
3/26/2013	13:30	0	0

Date	Time	Rainfall	
		in	mm
3/26/2013	13:45	0	0
3/26/2013	14:00	0	0
3/26/2013	14:15	0	0
3/26/2013	14:30	0	0
3/26/2013	14:45	0	0
3/26/2013	15:00	0	0
3/26/2013	15:15	0	0
3/26/2013	15:30	0	0
3/26/2013	15:45	0	0
3/26/2013	16:00	0	0
3/26/2013	16:15	0	0
3/26/2013	16:30	0	0
3/26/2013	16:45	0	0
3/26/2013	17:00	0	0
3/26/2013	17:15	0	0
3/26/2013	17:30	0	0
3/26/2013	17:45	0	0
3/26/2013	18:00	0	0
3/26/2013	18:15	0	0
3/26/2013	18:30	0	0
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3/26/2013	19:15	0	0
3/26/2013	19:30	0	0
3/26/2013	19:45	0	0
3/26/2013	20:00	0	0
3/26/2013	20:15	0	0
3/26/2013	20:30	0	0
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3/26/2013	21:00	0	0
3/26/2013	21:15	0	0
3/26/2013	21:30	0	0
3/26/2013	21:45	0	0
3/26/2013	22:00	0	0
3/26/2013	22:15	0	0
3/26/2013	22:30	0	0
3/26/2013	22:45	0	0
3/26/2013	23:00	0	0
3/26/2013	23:15	0	0

Date	Time	Rainfall	
		in	mm
3/26/2013	23:30	0	0
3/26/2013	23:45	0	0
3/27/2013	0:00	0	0
3/27/2013	0:15	0	0
3/27/2013	0:30	0	0
3/27/2013	0:45	0	0
3/27/2013	1:00	0	0
3/27/2013	1:15	0	0
3/27/2013	1:30	0	0
3/27/2013	1:45	0	0
3/27/2013	2:00	0	0
3/27/2013	2:15	0	0
3/27/2013	2:30	0	0
3/27/2013	2:45	0	0
3/27/2013	3:00	0	0
3/27/2013	3:15	0	0
3/27/2013	3:30	0	0
3/27/2013	3:45	0	0
3/27/2013	4:00	0	0
3/27/2013	4:15	0	0
3/27/2013	4:30	0	0
3/27/2013	4:45	0	0
3/27/2013	5:00	0	0
3/27/2013	5:15	0	0
3/27/2013	5:30	0	0
3/27/2013	5:45	0	0
3/27/2013	6:00	0	0
3/27/2013	6:15	0	0
3/27/2013	6:30	0	0
3/27/2013	6:45	0	0
3/27/2013	7:00	0	0
3/27/2013	7:15	0	0
3/27/2013	7:30	0	0
3/27/2013	7:45	0	0
3/27/2013	8:00	0	0
3/27/2013	8:15	0	0
3/27/2013	8:30	0	0
3/27/2013	8:45	0	0
3/27/2013	9:00	0	0

Date	Time	Rainfall	
		in	mm
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3/27/2013	9:30	0	0
3/27/2013	9:45	0	0
3/27/2013	10:00	0	0
3/27/2013	10:15	0	0
3/27/2013	10:30	0	0
3/27/2013	10:45	0	0
3/27/2013	11:00	0	0
3/27/2013	11:15	0	0
3/27/2013	11:30	0	0
3/27/2013	11:45	0	0
3/27/2013	12:00	0	0
3/27/2013	12:15	0	0
3/27/2013	12:30	0	0
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3/27/2013	13:00	0	0
3/27/2013	13:15	0	0
3/27/2013	13:30	0	0
3/27/2013	13:45	0	0
3/27/2013	14:00	0	0
3/27/2013	14:15	0	0
3/27/2013	14:30	0	0
3/27/2013	14:45	0	0
3/27/2013	15:00	0	0
3/27/2013	15:15	0	0
3/27/2013	15:30	0	0
3/27/2013	15:45	0	0
3/27/2013	16:00	0	0
3/27/2013	16:15	0	0
3/27/2013	16:30	0	0
3/27/2013	16:45	0	0
3/27/2013	17:00	0	0
3/27/2013	17:15	0	0
3/27/2013	17:30	0	0
3/27/2013	17:45	0	0
3/27/2013	18:00	0	0
3/27/2013	18:15	0	0
3/27/2013	18:30	0	0
3/27/2013	18:45	0	0

Date	Time	Rainfall	
		in	mm
3/27/2013	19:00	0	0
3/27/2013	19:15	0	0
3/27/2013	19:30	0	0
3/27/2013	19:45	0	0
3/27/2013	20:00	0	0
3/27/2013	20:15	0	0
3/27/2013	20:30	0	0
3/27/2013	20:45	0	0
3/27/2013	21:00	0	0
3/27/2013	21:15	0	0
3/27/2013	21:30	0	0
3/27/2013	21:45	0	0
3/27/2013	22:00	0	0
3/27/2013	22:15	0.01	0.254
3/27/2013	22:30	0	0
3/27/2013	22:45	0	0
3/27/2013	23:00	0	0
3/27/2013	23:15	0	0
3/27/2013	23:30	0	0
3/27/2013	23:45	0	0
3/28/2013	0:00	0	0
3/28/2013	0:15	0	0
3/28/2013	0:30	0	0
3/28/2013	0:45	0	0
3/28/2013	1:00	0	0
3/28/2013	1:15	0	0
3/28/2013	1:30	0	0
3/28/2013	1:45	0	0
3/28/2013	2:00	0	0
3/28/2013	2:15	0	0
3/28/2013	2:30	0	0
3/28/2013	2:45	0.01	0.254
3/28/2013	3:00	0.06	1.524
3/28/2013	3:15	0.06	1.524
3/28/2013	3:30	0.03	0.762
3/28/2013	3:45	0.01	0.254
3/28/2013	4:00	0	0
3/28/2013	4:15	0.01	0.254
3/28/2013	4:30	0.01	0.254

Date	Time	Rainfall	
		in	mm
3/28/2013	4:45	0	0
3/28/2013	5:00	0	0
3/28/2013	5:15	0	0
3/28/2013	5:30	0	0
3/28/2013	5:45	0	0
3/28/2013	6:00	0	0
3/28/2013	6:15	0.01	0.254
3/28/2013	6:30	0	0
3/28/2013	6:45	0	0
3/28/2013	7:00	0	0
3/28/2013	7:15	0.01	0.254
3/28/2013	7:30	0	0
3/28/2013	7:45	0	0
3/28/2013	8:00	0	0
3/28/2013	8:15	0	0
3/28/2013	8:30	0	0
3/28/2013	8:45	0	0
3/28/2013	9:00	0	0
3/28/2013	9:15	0	0
3/28/2013	9:30	0	0
3/28/2013	9:45	0	0
3/28/2013	10:00	0	0
3/28/2013	10:15	0	0
3/28/2013	10:30	0	0
3/28/2013	10:45	0	0
3/28/2013	11:00	0	0
3/28/2013	11:15	0	0
3/28/2013	11:30	0	0
3/28/2013	11:45	0	0
3/28/2013	12:00	0	0
3/28/2013	12:15	0	0
3/28/2013	12:30	0	0
3/28/2013	12:45	0	0
3/28/2013	13:00	0	0
3/28/2013	13:15	0	0
3/28/2013	13:30	0	0
3/28/2013	13:45	0	0
3/28/2013	14:00	0	0
3/28/2013	14:15	0	0

Date	Time	Rainfall	
		in	mm
3/28/2013	14:30	0	0
3/28/2013	14:45	0	0
3/28/2013	15:00	0	0
3/28/2013	15:15	0	0
3/28/2013	15:30	0.01	0.254
3/28/2013	15:45	0	0
3/28/2013	16:00	0	0
3/28/2013	16:15	0	0
3/28/2013	16:30	0	0
3/28/2013	16:45	0	0
3/28/2013	17:00	0	0
3/28/2013	17:15	0	0
3/28/2013	17:30	0	0
3/28/2013	17:45	0	0
3/28/2013	18:00	0	0
3/28/2013	18:15	0	0
3/28/2013	18:30	0	0
3/28/2013	18:45	0	0
3/28/2013	19:00	0	0
3/28/2013	19:15	0	0
3/28/2013	19:30	0	0
3/28/2013	19:45	0	0
3/28/2013	20:00	0	0
3/28/2013	20:15	0	0
3/28/2013	20:30	0	0
3/28/2013	20:45	0	0
3/28/2013	21:00	0	0
3/28/2013	21:15	0	0
3/28/2013	21:30	0	0
3/28/2013	21:45	0	0
3/28/2013	22:00	0	0
3/28/2013	22:15	0	0
3/28/2013	22:30	0	0
3/28/2013	22:45	0	0
3/28/2013	23:00	0	0
3/28/2013	23:15	0	0
3/28/2013	23:30	0	0
3/28/2013	23:45	0	0
3/29/2013	0:00	0	0

Date	Time	Rainfall	
		in	mm
3/29/2013	0:15	0	0
3/29/2013	0:30	0	0
3/29/2013	0:45	0	0
3/29/2013	1:00	0	0
3/29/2013	1:15	0	0
3/29/2013	1:30	0	0
3/29/2013	1:45	0	0
3/29/2013	2:00	0	0
3/29/2013	2:15	0	0
3/29/2013	2:30	0	0
3/29/2013	2:45	0	0
3/29/2013	3:00	0	0
3/29/2013	3:15	0	0
3/29/2013	3:30	0	0
3/29/2013	3:45	0	0
3/29/2013	4:00	0	0
3/29/2013	4:15	0	0
3/29/2013	4:30	0	0
3/29/2013	4:45	0	0
3/29/2013	5:00	0	0
3/29/2013	5:15	0	0
3/29/2013	5:30	0	0
3/29/2013	5:45	0	0
3/29/2013	6:00	0	0
3/29/2013	6:15	0	0
3/29/2013	6:30	0	0
3/29/2013	6:45	0	0
3/29/2013	7:00	0	0
3/29/2013	7:15	0	0
3/29/2013	7:30	0	0
3/29/2013	7:45	0	0
3/29/2013	8:00	0	0
3/29/2013	8:15	0	0
3/29/2013	8:30	0	0
3/29/2013	8:45	0	0
3/29/2013	9:00	0	0
3/29/2013	9:15	0	0
3/29/2013	9:30	0	0
3/29/2013	9:45	0	0

Date	Time	Rainfall	
		in	mm
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3/29/2013	10:15	0	0
3/29/2013	10:30	0	0
3/29/2013	10:45	0	0
3/29/2013	11:00	0	0
3/29/2013	11:15	0	0
3/29/2013	11:30	0	0
3/29/2013	11:45	0	0
3/29/2013	12:00	0	0
3/29/2013	12:15	0	0
3/29/2013	12:30	0	0
3/29/2013	12:45	0	0
3/29/2013	13:00	0	0
3/29/2013	13:15	0	0
3/29/2013	13:30	0	0
3/29/2013	13:45	0	0
3/29/2013	14:00	0	0
3/29/2013	14:15	0	0
3/29/2013	14:30	0	0
3/29/2013	14:45	0	0
3/29/2013	15:00	0	0
3/29/2013	15:15	0	0
3/29/2013	15:30	0	0
3/29/2013	15:45	0	0
3/29/2013	16:00	0	0
3/29/2013	16:15	0	0
3/29/2013	16:30	0	0
3/29/2013	16:45	0	0
3/29/2013	17:00	0	0
3/29/2013	17:15	0	0
3/29/2013	17:30	0	0
3/29/2013	17:45	0	0
3/29/2013	18:00	0	0
3/29/2013	18:15	0	0
3/29/2013	18:30	0	0
3/29/2013	18:45	0	0
3/29/2013	19:00	0	0
3/29/2013	19:15	0	0
3/29/2013	19:30	0	0

Date	Time	Rainfall	
		in	mm
3/29/2013	19:45	0	0
3/29/2013	20:00	0	0
3/29/2013	20:15	0	0
3/29/2013	20:30	0	0
3/29/2013	20:45	0	0
3/29/2013	21:00	0	0
3/29/2013	21:15	0	0
3/29/2013	21:30	0	0
3/29/2013	21:45	0	0
3/29/2013	22:00	0	0
3/29/2013	22:15	0	0
3/29/2013	22:30	0	0
3/29/2013	22:45	0	0
3/29/2013	23:00	0	0
3/29/2013	23:15	0	0
3/29/2013	23:30	0	0
3/29/2013	23:45	0	0
3/30/2013	0:00	0	0
3/30/2013	0:15	0	0
3/30/2013	0:30	0	0
3/30/2013	0:45	0	0
3/30/2013	1:00	0	0
3/30/2013	1:15	0	0
3/30/2013	1:30	0	0
3/30/2013	1:45	0	0
3/30/2013	2:00	0	0
3/30/2013	2:15	0	0
3/30/2013	2:30	0	0
3/30/2013	2:45	0	0
3/30/2013	3:00	0	0
3/30/2013	3:15	0	0
3/30/2013	3:30	0	0
3/30/2013	3:45	0	0
3/30/2013	4:00	0	0
3/30/2013	4:15	0	0
3/30/2013	4:30	0	0
3/30/2013	4:45	0	0
3/30/2013	5:00	0	0
3/30/2013	5:15	0	0

Date	Time	Rainfall	
		in	mm
3/30/2013	5:30	0	0
3/30/2013	5:45	0	0
3/30/2013	6:00	0	0
3/30/2013	6:15	0	0
3/30/2013	6:30	0	0
3/30/2013	6:45	0	0
3/30/2013	7:00	0	0
3/30/2013	7:15	0	0
3/30/2013	7:30	0	0
3/30/2013	7:45	0	0
3/30/2013	8:00	0	0
3/30/2013	8:15	0	0
3/30/2013	8:30	0	0
3/30/2013	8:45	0	0
3/30/2013	9:00	0	0
3/30/2013	9:15	0	0
3/30/2013	9:30	0	0
3/30/2013	9:45	0	0
3/30/2013	10:00	0	0
3/30/2013	10:15	0	0
3/30/2013	10:30	0	0
3/30/2013	10:45	0	0
3/30/2013	11:00	0	0
3/30/2013	11:15	0	0
3/30/2013	11:30	0	0
3/30/2013	11:45	0	0
3/30/2013	12:00	0	0
3/30/2013	12:15	0	0
3/30/2013	12:30	0	0
3/30/2013	12:45	0	0
3/30/2013	13:00	0	0
3/30/2013	13:15	0	0
3/30/2013	13:30	0	0
3/30/2013	13:45	0	0
3/30/2013	14:00	0	0
3/30/2013	14:15	0	0
3/30/2013	14:30	0	0
3/30/2013	14:45	0	0
3/30/2013	15:00	0	0

Date	Time	Rainfall	
		in	mm
3/30/2013	15:15	0	0
3/30/2013	15:30	0	0
3/30/2013	15:45	0	0
3/30/2013	16:00	0	0
3/30/2013	16:15	0	0
3/30/2013	16:30	0	0
3/30/2013	16:45	0	0
3/30/2013	17:00	0	0
3/30/2013	17:15	0	0
3/30/2013	17:30	0	0
3/30/2013	17:45	0	0
3/30/2013	18:00	0	0
3/30/2013	18:15	0	0
3/30/2013	18:30	0	0
3/30/2013	18:45	0	0
3/30/2013	19:00	0	0
3/30/2013	19:15	0	0
3/30/2013	19:30	0	0
3/30/2013	19:45	0	0
3/30/2013	20:00	0	0
3/30/2013	20:15	0	0
3/30/2013	20:30	0	0
3/30/2013	20:45	0	0
3/30/2013	21:00	0	0
3/30/2013	21:15	0	0
3/30/2013	21:30	0	0
3/30/2013	21:45	0	0
3/30/2013	22:00	0	0
3/30/2013	22:15	0	0
3/30/2013	22:30	0	0
3/30/2013	22:45	0	0
3/30/2013	23:00	0	0
3/30/2013	23:15	0	0
3/30/2013	23:30	0	0
3/30/2013	23:45	0	0
3/31/2013	0:00	0	0
3/31/2013	0:15	0	0
3/31/2013	0:30	0	0
3/31/2013	0:45	0	0

Date	Time	Rainfall	
		in	mm
3/31/2013	1:00	0	0
3/31/2013	1:15	0	0
3/31/2013	1:30	0	0
3/31/2013	1:45	0	0
3/31/2013	2:00	0	0
3/31/2013	2:15	0	0
3/31/2013	2:30	0	0
3/31/2013	2:45	0	0
3/31/2013	3:00	0	0
3/31/2013	3:15	0	0
3/31/2013	3:30	0	0
3/31/2013	3:45	0	0
3/31/2013	4:00	0	0
3/31/2013	4:15	0	0
3/31/2013	4:30	0	0
3/31/2013	4:45	0	0
3/31/2013	5:00	0	0
3/31/2013	5:15	0	0
3/31/2013	5:30	0	0
3/31/2013	5:45	0	0
3/31/2013	6:00	0	0
3/31/2013	6:15	0	0
3/31/2013	6:30	0	0
3/31/2013	6:45	0	0
3/31/2013	7:00	0	0
3/31/2013	7:15	0	0
3/31/2013	7:30	0	0
3/31/2013	7:45	0	0
3/31/2013	8:00	0	0
3/31/2013	8:15	0	0
3/31/2013	8:30	0	0
3/31/2013	8:45	0	0
3/31/2013	9:00	0	0
3/31/2013	9:15	0	0
3/31/2013	9:30	0	0
3/31/2013	9:45	0	0
3/31/2013	10:00	0	0
3/31/2013	10:15	0	0
3/31/2013	10:30	0	0

Date	Time	Rainfall	
		in	mm
3/31/2013	10:45	0	0
3/31/2013	11:00	0	0
3/31/2013	11:15	0	0
3/31/2013	11:30	0	0
3/31/2013	11:45	0	0
3/31/2013	12:00	0	0
3/31/2013	12:15	0	0
3/31/2013	12:30	0	0
3/31/2013	12:45	0	0
3/31/2013	13:00	0	0
3/31/2013	13:15	0	0
3/31/2013	13:30	0	0
3/31/2013	13:45	0	0
3/31/2013	14:00	0	0
3/31/2013	14:15	0	0
3/31/2013	14:30	0	0
3/31/2013	14:45	0	0
3/31/2013	15:00	0	0
3/31/2013	15:15	0	0
3/31/2013	15:30	0	0
3/31/2013	15:45	0	0
3/31/2013	16:00	0	0
3/31/2013	16:15	0	0
3/31/2013	16:30	0	0
3/31/2013	16:45	0	0
3/31/2013	17:00	0	0
3/31/2013	17:15	0	0
3/31/2013	17:30	0	0
3/31/2013	17:45	0	0
3/31/2013	18:00	0	0
3/31/2013	18:15	0	0
3/31/2013	18:30	0	0
3/31/2013	18:45	0	0
3/31/2013	19:00	0	0
3/31/2013	19:15	0	0
3/31/2013	19:30	0	0
3/31/2013	19:45	0	0
3/31/2013	20:00	0	0
3/31/2013	20:15	0	0

Date	Time	Rainfall	
		in	mm
3/31/2013	20:30	0	0
3/31/2013	20:45	0	0
3/31/2013	21:00	0	0
3/31/2013	21:15	0	0
3/31/2013	21:30	0	0
3/31/2013	21:45	0	0
3/31/2013	22:00	0	0
3/31/2013	22:15	0	0
3/31/2013	22:30	0	0
3/31/2013	22:45	0	0
3/31/2013	23:00	0	0
3/31/2013	23:15	0	0
3/31/2013	23:30	0	0
3/31/2013	23:45	0	0
4/1/2013	0:00	0	0
4/1/2013	0:15	0	0
4/1/2013	0:30	0	0
4/1/2013	0:45	0	0
4/1/2013	1:00	0	0
4/1/2013	1:15	0	0
4/1/2013	1:30	0	0
4/1/2013	1:45	0	0
4/1/2013	2:00	0	0
4/1/2013	2:15	0	0
4/1/2013	2:30	0	0
4/1/2013	2:45	0	0
4/1/2013	3:00	0	0
4/1/2013	3:15	0	0
4/1/2013	3:30	0	0
4/1/2013	3:45	0	0
4/1/2013	4:00	0	0
4/1/2013	4:15	0	0
4/1/2013	4:30	0	0
4/1/2013	4:45	0	0
4/1/2013	5:00	0	0
4/1/2013	5:15	0	0
4/1/2013	5:30	0	0
4/1/2013	5:45	0	0
4/1/2013	6:00	0	0

Date	Time	Rainfall	
		in	mm
4/1/2013	6:15	0	0
4/1/2013	6:30	0	0
4/1/2013	6:45	0	0
4/1/2013	7:00	0	0
4/1/2013	7:15	0	0
4/1/2013	7:30	0	0
4/1/2013	7:45	0	0
4/1/2013	8:00	0	0
4/1/2013	8:15	0	0
4/1/2013	8:30	0	0
4/1/2013	8:45	0	0
4/1/2013	9:00	0	0
4/1/2013	9:15	0	0
4/1/2013	9:30	0	0
4/1/2013	9:45	0	0
4/1/2013	10:00	0	0
4/1/2013	10:15	0	0
4/1/2013	10:30	0	0
4/1/2013	10:45	0	0
4/1/2013	11:00	0	0
4/1/2013	11:15	0	0
4/1/2013	11:30	0	0
4/1/2013	11:45	0	0
4/1/2013	12:00	0	0
4/1/2013	12:15	0	0
4/1/2013	12:30	0	0
4/1/2013	12:45	0	0
4/1/2013	13:00	0	0
4/1/2013	13:15	0	0
4/1/2013	13:30	0	0
4/1/2013	13:45	0	0
4/1/2013	14:00	0	0
4/1/2013	14:15	0	0
4/1/2013	14:30	0	0
4/1/2013	14:45	0	0
4/1/2013	15:00	0	0
4/1/2013	15:15	0	0
4/1/2013	15:30	0	0
4/1/2013	15:45	0	0

Date	Time	Rainfall	
		in	mm
4/1/2013	16:00	0	0
4/1/2013	16:15	0	0
4/1/2013	16:30	0	0
4/1/2013	16:45	0	0
4/1/2013	17:00	0	0
4/1/2013	17:15	0	0
4/1/2013	17:30	0	0
4/1/2013	17:45	0	0
4/1/2013	18:00	0	0
4/1/2013	18:15	0	0
4/1/2013	18:30	0	0
4/1/2013	18:45	0	0
4/1/2013	19:00	0	0
4/1/2013	19:15	0	0
4/1/2013	19:30	0	0
4/1/2013	19:45	0	0
4/1/2013	20:00	0	0
4/1/2013	20:15	0	0
4/1/2013	20:30	0	0
4/1/2013	20:45	0	0
4/1/2013	21:00	0	0
4/1/2013	21:15	0	0
4/1/2013	21:30	0	0
4/1/2013	21:45	0	0
4/1/2013	22:00	0	0
4/1/2013	22:15	0	0
4/1/2013	22:30	0	0
4/1/2013	22:45	0	0
4/1/2013	23:00	0	0
4/1/2013	23:15	0	0
4/1/2013	23:30	0	0
4/1/2013	23:45	0	0
4/2/2013	0:00	0	0
4/2/2013	0:15	0	0
4/2/2013	0:30	0	0
4/2/2013	0:45	0	0
4/2/2013	1:00	0	0
4/2/2013	1:15	0	0
4/2/2013	1:30	0	0

Date	Time	Rainfall	
		in	mm
4/2/2013	1:45	0	0
4/2/2013	2:00	0	0
4/2/2013	2:15	0	0
4/2/2013	2:30	0	0
4/2/2013	2:45	0	0
4/2/2013	3:00	0	0
4/2/2013	3:15	0	0
4/2/2013	3:30	0	0
4/2/2013	3:45	0	0
4/2/2013	4:00	0	0
4/2/2013	4:15	0	0
4/2/2013	4:30	0	0
4/2/2013	4:45	0	0
4/2/2013	5:00	0	0
4/2/2013	5:15	0	0
4/2/2013	5:30	0	0
4/2/2013	5:45	0	0
4/2/2013	6:00	0	0
4/2/2013	6:15	0	0
4/2/2013	6:30	0	0
4/2/2013	6:45	0	0
4/2/2013	7:00	0	0
4/2/2013	7:15	0	0
4/2/2013	7:30	0	0
4/2/2013	7:45	0	0
4/2/2013	8:00	0	0
4/2/2013	8:15	0	0
4/2/2013	8:30	0	0
4/2/2013	8:45	0	0
4/2/2013	9:00	0	0
4/2/2013	9:15	0	0
4/2/2013	9:30	0	0
4/2/2013	9:45	0	0
4/2/2013	10:00	0	0
4/2/2013	10:15	0	0
4/2/2013	10:30	0	0
4/2/2013	10:45	0	0
4/2/2013	11:00	0	0
4/2/2013	11:15	0	0

Date	Time	Rainfall	
		in	mm
4/2/2013	11:30	0	0
4/2/2013	11:45	0	0
4/2/2013	12:00	0	0
4/2/2013	12:15	0	0
4/2/2013	12:30	0	0
4/2/2013	12:45	0	0
4/2/2013	13:00	0	0
4/2/2013	13:15	0	0
4/2/2013	13:30	0	0
4/2/2013	13:45	0	0
4/2/2013	14:00	0	0
4/2/2013	14:15	0	0
4/2/2013	14:30	0	0
4/2/2013	14:45	0	0
4/2/2013	15:00	0	0
4/2/2013	15:15	0	0
4/2/2013	15:30	0	0
4/2/2013	15:45	0	0
4/2/2013	16:00	0	0
4/2/2013	16:15	0	0
4/2/2013	16:30	0	0
4/2/2013	16:45	0	0
4/2/2013	17:00	0	0
4/2/2013	17:15	0	0
4/2/2013	17:30	0	0
4/2/2013	17:45	0	0
4/2/2013	18:00	0	0
4/2/2013	18:15	0	0
4/2/2013	18:30	0	0
4/2/2013	18:45	0	0
4/2/2013	19:00	0	0
4/2/2013	19:15	0	0
4/2/2013	19:30	0	0
4/2/2013	19:45	0	0
4/2/2013	20:00	0	0
4/2/2013	20:15	0	0
4/2/2013	20:30	0	0
4/2/2013	20:45	0	0
4/2/2013	21:00	0	0

Date	Time	Rainfall	
		in	mm
4/2/2013	21:15	0	0
4/2/2013	21:30	0	0
4/2/2013	21:45	0	0
4/2/2013	22:00	0	0
4/2/2013	22:15	0	0
4/2/2013	22:30	0	0
4/2/2013	22:45	0	0
4/2/2013	23:00	0	0
4/2/2013	23:15	0	0
4/2/2013	23:30	0	0
4/2/2013	23:45	0	0
4/3/2013	0:00	0	0
4/3/2013	0:15	0	0
4/3/2013	0:30	0	0
4/3/2013	0:45	0	0
4/3/2013	1:00	0	0
4/3/2013	1:15	0	0
4/3/2013	1:30	0	0
4/3/2013	1:45	0	0
4/3/2013	2:00	0	0
4/3/2013	2:15	0	0
4/3/2013	2:30	0	0
4/3/2013	2:45	0	0
4/3/2013	3:00	0	0
4/3/2013	3:15	0	0
4/3/2013	3:30	0	0
4/3/2013	3:45	0	0
4/3/2013	4:00	0	0
4/3/2013	4:15	0	0
4/3/2013	4:30	0	0
4/3/2013	4:45	0	0
4/3/2013	5:00	0	0
4/3/2013	5:15	0	0
4/3/2013	5:30	0	0
4/3/2013	5:45	0	0
4/3/2013	6:00	0	0
4/3/2013	6:15	0	0
4/3/2013	6:30	0	0
4/3/2013	6:45	0	0

Date	Time	Rainfall	
		in	mm
4/3/2013	7:00	0	0
4/3/2013	7:15	0	0
4/3/2013	7:30	0	0
4/3/2013	7:45	0	0
4/3/2013	8:00	0	0
4/3/2013	8:15	0	0
4/3/2013	8:30	0	0
4/3/2013	8:45	0	0
4/3/2013	9:00	0	0
4/3/2013	9:15	0	0
4/3/2013	9:30	0	0
4/3/2013	9:45	0	0
4/3/2013	10:00	0	0
4/3/2013	10:15	0	0
4/3/2013	10:30	0	0
4/3/2013	10:45	0	0
4/3/2013	11:00	0	0
4/3/2013	11:15	0	0
4/3/2013	11:30	0	0
4/3/2013	11:45	0	0
4/3/2013	12:00	0	0
4/3/2013	12:15	0	0
4/3/2013	12:30	0	0
4/3/2013	12:45	0	0
4/3/2013	13:00	0	0
4/3/2013	13:15	0	0
4/3/2013	13:30	0	0
4/3/2013	13:45	0	0
4/3/2013	14:00	0	0
4/3/2013	14:15	0	0
4/3/2013	14:30	0	0
4/3/2013	14:45	0	0
4/3/2013	15:00	0	0
4/3/2013	15:15	0	0
4/3/2013	15:30	0	0
4/3/2013	15:45	0	0
4/3/2013	16:00	0	0
4/3/2013	16:15	0	0
4/3/2013	16:30	0	0

Date	Time	Rainfall	
		in	mm
4/3/2013	16:45	0	0
4/3/2013	17:00	0	0
4/3/2013	17:15	0	0
4/3/2013	17:30	0	0
4/3/2013	17:45	0	0
4/3/2013	18:00	0	0
4/3/2013	18:15	0	0
4/3/2013	18:30	0	0
4/3/2013	18:45	0	0
4/3/2013	19:00	0	0
4/3/2013	19:15	0	0
4/3/2013	19:30	0	0
4/3/2013	19:45	0	0
4/3/2013	20:00	0	0
4/3/2013	20:15	0	0
4/3/2013	20:30	0	0
4/3/2013	20:45	0	0
4/3/2013	21:00	0	0
4/3/2013	21:15	0	0
4/3/2013	21:30	0	0
4/3/2013	21:45	0	0
4/3/2013	22:00	0	0
4/3/2013	22:15	0	0
4/3/2013	22:30	0	0
4/3/2013	22:45	0	0
4/3/2013	23:00	0	0
4/3/2013	23:15	0	0
4/3/2013	23:30	0	0
4/3/2013	23:45	0	0
4/4/2013	0:00	0	0
4/4/2013	0:15	0	0
4/4/2013	0:30	0	0
4/4/2013	0:45	0	0
4/4/2013	1:00	0	0
4/4/2013	1:15	0	0
4/4/2013	1:30	0	0
4/4/2013	1:45	0	0
4/4/2013	2:00	0	0
4/4/2013	2:15	0	0

Date	Time	Rainfall	
		in	mm
4/4/2013	2:30	0	0
4/4/2013	2:45	0	0
4/4/2013	3:00	0	0
4/4/2013	3:15	0	0
4/4/2013	3:30	0	0
4/4/2013	3:45	0	0
4/4/2013	4:00	0	0
4/4/2013	4:15	0	0
4/4/2013	4:30	0	0
4/4/2013	4:45	0	0
4/4/2013	5:00	0	0
4/4/2013	5:15	0	0
4/4/2013	5:30	0	0
4/4/2013	5:45	0	0
4/4/2013	6:00	0	0
4/4/2013	6:15	0	0
4/4/2013	6:30	0	0
4/4/2013	6:45	0	0
4/4/2013	7:00	0	0
4/4/2013	7:15	0	0
4/4/2013	7:30	0	0
4/4/2013	7:45	0	0
4/4/2013	8:00	0	0
4/4/2013	8:15	0.01	0.254
4/4/2013	8:30	0	0
4/4/2013	8:45	0	0
4/4/2013	9:00	0	0
4/4/2013	9:15	0	0
4/4/2013	9:30	0.01	0.254
4/4/2013	9:45	0	0
4/4/2013	10:00	0	0
4/4/2013	10:15	0.01	0.254
4/4/2013	10:30	0	0
4/4/2013	10:45	0.01	0.254
4/4/2013	11:00	0	0
4/4/2013	11:15	0	0
4/4/2013	11:30	0.01	0.254
4/4/2013	11:45	0.01	0.254
4/4/2013	12:00	0.01	0.254

Date	Time	Rainfall	
		in	mm
4/4/2013	12:15	0.01	0.254
4/4/2013	12:30	0.01	0.254
4/4/2013	12:45	0	0
4/4/2013	13:00	0.02	0.508
4/4/2013	13:15	0.01	0.254
4/4/2013	13:30	0.01	0.254
4/4/2013	13:45	0.01	0.254
4/4/2013	14:00	0.01	0.254
4/4/2013	14:15	0.01	0.254
4/4/2013	14:30	0.03	0.762
4/4/2013	14:45	0	0
4/4/2013	15:00	0.01	0.254
4/4/2013	15:15	0.01	0.254
4/4/2013	15:30	0.02	0.508
4/4/2013	15:45	0	0
4/4/2013	16:00	0.02	0.508
4/4/2013	16:15	0	0
4/4/2013	16:30	0	0
4/4/2013	16:45	0	0
4/4/2013	17:00	0	0
4/4/2013	17:15	0	0
4/4/2013	17:30	0	0
4/4/2013	17:45	0.01	0.254
4/4/2013	18:00	0	0
4/4/2013	18:15	0	0
4/4/2013	18:30	0	0
4/4/2013	18:45	0	0
4/4/2013	19:00	0	0
4/4/2013	19:15	0	0
4/4/2013	19:30	0	0
4/4/2013	19:45	0	0
4/4/2013	20:00	0	0
4/4/2013	20:15	0	0
4/4/2013	20:30	0	0
4/4/2013	20:45	0	0
4/4/2013	21:00	0	0
4/4/2013	21:15	0	0
4/4/2013	21:30	0	0
4/4/2013	21:45	0.01	0.254

Date	Time	Rainfall	
		in	mm
4/4/2013	22:00	0	0
4/4/2013	22:15	0	0
4/4/2013	22:30	0.01	0.254
4/4/2013	22:45	0	0
4/4/2013	23:00	0.01	0.254
4/4/2013	23:15	0	0
4/4/2013	23:30	0	0
4/4/2013	23:45	0.01	0.254
4/5/2013	0:00	0	0
4/5/2013	0:15	0.01	0.254
4/5/2013	0:30	0	0
4/5/2013	0:45	0.01	0.254
4/5/2013	1:00	0.02	0.508
4/5/2013	1:15	0.02	0.508
4/5/2013	1:30	0.02	0.508
4/5/2013	1:45	0.01	0.254
4/5/2013	2:00	0.03	0.762
4/5/2013	2:15	0.03	0.762
4/5/2013	2:30	0.05	1.27
4/5/2013	2:45	0.02	0.508
4/5/2013	3:00	0.02	0.508
4/5/2013	3:15	0.02	0.508
4/5/2013	3:30	0.03	0.762
4/5/2013	3:45	0.03	0.762
4/5/2013	4:00	0.03	0.762
4/5/2013	4:15	0.03	0.762
4/5/2013	4:30	0.04	1.016
4/5/2013	4:45	0.02	0.508
4/5/2013	5:00	0.02	0.508
4/5/2013	5:15	0.03	0.762
4/5/2013	5:30	0.03	0.762
4/5/2013	5:45	0.01	0.254
4/5/2013	6:00	0.02	0.508
4/5/2013	6:15	0	0
4/5/2013	6:30	0	0
4/5/2013	6:45	0.01	0.254
4/5/2013	7:00	0.02	0.508
4/5/2013	7:15	0.01	0.254
4/5/2013	7:30	0.02	0.508

Date	Time	Rainfall	
		in	mm
4/5/2013	7:45	0.01	0.254
4/5/2013	8:00	0	0
4/5/2013	8:15	0	0
4/5/2013	8:30	0	0
4/5/2013	8:45	0	0
4/5/2013	9:00	0	0
4/5/2013	9:15	0	0
4/5/2013	9:30	0	0
4/5/2013	9:45	0	0
4/5/2013	10:00	0	0
4/5/2013	10:15	0	0
4/5/2013	10:30	0	0
4/5/2013	10:45	0	0
4/5/2013	11:00	0	0
4/5/2013	11:15	0	0
4/5/2013	11:30	0	0
4/5/2013	11:45	0	0
4/5/2013	12:00	0	0
4/5/2013	12:15	0	0
4/5/2013	12:30	0	0
4/5/2013	12:45	0	0
4/5/2013	13:00	0	0
4/5/2013	13:15	0	0
4/5/2013	13:30	0	0
4/5/2013	13:45	0	0
4/5/2013	14:00	0	0
4/5/2013	14:15	0	0
4/5/2013	14:30	0	0
4/5/2013	14:45	0	0
4/5/2013	15:00	0	0
4/5/2013	15:15	0.01	0.254
4/5/2013	15:30	0	0
4/5/2013	15:45	0.01	0.254
4/5/2013	16:00	0.01	0.254
4/5/2013	16:15	0.01	0.254
4/5/2013	16:30	0.02	0.508
4/5/2013	16:45	0.01	0.254
4/5/2013	17:00	0.01	0.254
4/5/2013	17:15	0.01	0.254

Date	Time	Rainfall	
		in	mm
4/5/2013	17:30	0.01	0.254
4/5/2013	17:45	0.02	0.508
4/5/2013	18:00	0.01	0.254
4/5/2013	18:15	0.03	0.762
4/5/2013	18:30	0.03	0.762
4/5/2013	18:45	0.01	0.254
4/5/2013	19:00	0	0
4/5/2013	19:15	0.01	0.254
4/5/2013	19:30	0	0
4/5/2013	19:45	0.01	0.254
4/5/2013	20:00	0	0
4/5/2013	20:15	0.01	0.254
4/5/2013	20:30	0	0
4/5/2013	20:45	0.01	0.254
4/5/2013	21:00	0	0
4/5/2013	21:15	0.01	0.254
4/5/2013	21:30	0	0
4/5/2013	21:45	0	0
4/5/2013	22:00	0.01	0.254
4/5/2013	22:15	0	0
4/5/2013	22:30	0.02	0.508
4/5/2013	22:45	0.01	0.254
4/5/2013	23:00	0.02	0.508
4/5/2013	23:15	0.01	0.254
4/5/2013	23:30	0.01	0.254
4/5/2013	23:45	0	0
4/6/2013	0:00	0	0
4/6/2013	0:15	0.01	0.254
4/6/2013	0:30	0	0
4/6/2013	0:45	0	0
4/6/2013	1:00	0.02	0.508
4/6/2013	1:15	0.01	0.254
4/6/2013	1:30	0	0
4/6/2013	1:45	0.02	0.508
4/6/2013	2:00	0.05	1.27
4/6/2013	2:15	0.01	0.254
4/6/2013	2:30	0	0
4/6/2013	2:45	0	0
4/6/2013	3:00	0	0

Date	Time	Rainfall	
		in	mm
4/6/2013	3:15	0	0
4/6/2013	3:30	0	0
4/6/2013	3:45	0	0
4/6/2013	4:00	0	0
4/6/2013	4:15	0	0
4/6/2013	4:30	0	0
4/6/2013	4:45	0	0
4/6/2013	5:00	0	0
4/6/2013	5:15	0.02	0.508
4/6/2013	5:30	0.04	1.016
4/6/2013	5:45	0.04	1.016
4/6/2013	6:00	0.01	0.254
4/6/2013	6:15	0	0
4/6/2013	6:30	0.01	0.254
4/6/2013	6:45	0.02	0.508
4/6/2013	7:00	0	0
4/6/2013	7:15	0.01	0.254
4/6/2013	7:30	0.08	2.032
4/6/2013	7:45	0	0
4/6/2013	8:00	0	0
4/6/2013	8:15	0	0
4/6/2013	8:30	0	0
4/6/2013	8:45	0	0
4/6/2013	9:00	0	0
4/6/2013	9:15	0	0
4/6/2013	9:30	0	0
4/6/2013	9:45	0	0
4/6/2013	10:00	0	0
4/6/2013	10:15	0	0
4/6/2013	10:30	0	0
4/6/2013	10:45	0	0
4/6/2013	11:00	0	0
4/6/2013	11:15	0	0
4/6/2013	11:30	0	0
4/6/2013	11:45	0	0
4/6/2013	12:00	0	0
4/6/2013	12:15	0	0
4/6/2013	12:30	0	0
4/6/2013	12:45	0	0

Date	Time	Rainfall	
		in	mm
4/6/2013	13:00	0	0
4/6/2013	13:15	0.02	0.508
4/6/2013	13:30	0.01	0.254
4/6/2013	13:45	0.02	0.508
4/6/2013	14:00	0.02	0.508
4/6/2013	14:15	0	0
4/6/2013	14:30	0.01	0.254
4/6/2013	14:45	0	0
4/6/2013	15:00	0	0
4/6/2013	15:15	0	0
4/6/2013	15:30	0.01	0.254
4/6/2013	15:45	0	0
4/6/2013	16:00	0	0
4/6/2013	16:15	0	0
4/6/2013	16:30	0.01	0.254
4/6/2013	16:45	0	0
4/6/2013	17:00	0	0
4/6/2013	17:15	0	0
4/6/2013	17:30	0	0
4/6/2013	17:45	0.01	0.254
4/6/2013	18:00	0.03	0.762
4/6/2013	18:15	0	0
4/6/2013	18:30	0	0
4/6/2013	18:45	0	0
4/6/2013	19:00	0	0
4/6/2013	19:15	0	0
4/6/2013	19:30	0	0
4/6/2013	19:45	0	0
4/6/2013	20:00	0	0
4/6/2013	20:15	0	0
4/6/2013	20:30	0	0
4/6/2013	20:45	0.01	0.254
4/6/2013	21:00	0.01	0.254
4/6/2013	21:15	0.01	0.254
4/6/2013	21:30	0.01	0.254
4/6/2013	21:45	0	0
4/6/2013	22:00	0.01	0.254
4/6/2013	22:15	0	0
4/6/2013	22:30	0	0

Date	Time	Rainfall	
		in	mm
4/6/2013	22:45	0.01	0.254
4/6/2013	23:00	0	0
4/6/2013	23:15	0	0
4/6/2013	23:30	0	0
4/6/2013	23:45	0.01	0.254
4/7/2013	0:00	0.02	0.508
4/7/2013	0:15	0.02	0.508
4/7/2013	0:30	0.02	0.508
4/7/2013	0:45	0.02	0.508
4/7/2013	1:00	0.05	1.27
4/7/2013	1:15	0.04	1.016
4/7/2013	1:30	0.05	1.27
4/7/2013	1:45	0.04	1.016
4/7/2013	2:00	0.03	0.762
4/7/2013	2:15	0.02	0.508
4/7/2013	2:30	0.03	0.762
4/7/2013	2:45	0.02	0.508
4/7/2013	3:00	0.02	0.508
4/7/2013	3:15	0.02	0.508
4/7/2013	3:30	0.02	0.508
4/7/2013	3:45	0.04	1.016
4/7/2013	4:00	0.04	1.016
4/7/2013	4:15	0.04	1.016
4/7/2013	4:30	0.06	1.524
4/7/2013	4:45	0.07	1.778
4/7/2013	5:00	0.07	1.778
4/7/2013	5:15	0.08	2.032
4/7/2013	5:30	0.04	1.016
4/7/2013	5:45	0.03	0.762
4/7/2013	6:00	0.02	0.508
4/7/2013	6:15	0.02	0.508
4/7/2013	6:30	0	0
4/7/2013	6:45	0.01	0.254
4/7/2013	7:00	0.01	0.254
4/7/2013	7:15	0.02	0.508
4/7/2013	7:30	0	0
4/7/2013	7:45	0	0
4/7/2013	8:00	0	0
4/7/2013	8:15	0	0

Date	Time	Rainfall	
		in	mm
4/7/2013	8:30	0	0
4/7/2013	8:45	0	0
4/7/2013	9:00	0	0
4/7/2013	9:15	0	0
4/7/2013	9:30	0	0
4/7/2013	9:45	0	0
4/7/2013	10:00	0.01	0.254
4/7/2013	10:15	0	0
4/7/2013	10:30	0	0
4/7/2013	10:45	0	0
4/7/2013	11:00	0	0
4/7/2013	11:15	0	0
4/7/2013	11:30	0	0
4/7/2013	11:45	0	0
4/7/2013	12:00	0	0
4/7/2013	12:15	0	0
4/7/2013	12:30	0	0
4/7/2013	12:45	0	0
4/7/2013	13:00	0	0
4/7/2013	13:15	0	0
4/7/2013	13:30	0	0
4/7/2013	13:45	0.01	0.254
4/7/2013	14:00	0	0
4/7/2013	14:15	0	0
4/7/2013	14:30	0	0
4/7/2013	14:45	0	0
4/7/2013	15:00	0	0
4/7/2013	15:15	0	0
4/7/2013	15:30	0	0
4/7/2013	15:45	0	0
4/7/2013	16:00	0	0
4/7/2013	16:15	0	0
4/7/2013	16:30	0	0
4/7/2013	16:45	0	0
4/7/2013	17:00	0	0
4/7/2013	17:15	0	0
4/7/2013	17:30	0	0
4/7/2013	17:45	0	0
4/7/2013	18:00	0	0

Date	Time	Rainfall	
		in	mm
4/7/2013	18:15	0	0
4/7/2013	18:30	0	0
4/7/2013	18:45	0	0
4/7/2013	19:00	0	0
4/7/2013	19:15	0	0
4/7/2013	19:30	0	0
4/7/2013	19:45	0	0
4/7/2013	20:00	0	0
4/7/2013	20:15	0	0
4/7/2013	20:30	0	0
4/7/2013	20:45	0	0
4/7/2013	21:00	0	0
4/7/2013	21:15	0	0
4/7/2013	21:30	0	0
4/7/2013	21:45	0	0
4/7/2013	22:00	0	0
4/7/2013	22:15	0	0
4/7/2013	22:30	0	0
4/7/2013	22:45	0	0
4/7/2013	23:00	0	0
4/7/2013	23:15	0	0
4/7/2013	23:30	0	0
4/7/2013	23:45	0	0
4/8/2013	0:00	0	0
4/8/2013	0:15	0	0
4/8/2013	0:30	0	0
4/8/2013	0:45	0	0
4/8/2013	1:00	0	0
4/8/2013	1:15	0	0
4/8/2013	1:30	0	0
4/8/2013	1:45	0	0
4/8/2013	2:00	0	0
4/8/2013	2:15	0	0
4/8/2013	2:30	0	0
4/8/2013	2:45	0	0
4/8/2013	3:00	0	0
4/8/2013	3:15	0	0
4/8/2013	3:30	0	0
4/8/2013	3:45	0	0

Date	Time	Rainfall	
		in	mm
4/8/2013	4:00	0	0
4/8/2013	4:15	0	0
4/8/2013	4:30	0	0
4/8/2013	4:45	0	0
4/8/2013	5:00	0	0
4/8/2013	5:15	0	0
4/8/2013	5:30	0	0
4/8/2013	5:45	0	0
4/8/2013	6:00	0	0
4/8/2013	6:15	0	0
4/8/2013	6:30	0	0
4/8/2013	6:45	0	0
4/8/2013	7:00	0	0
4/8/2013	7:15	0	0
4/8/2013	7:30	0	0
4/8/2013	7:45	0	0
4/8/2013	8:00	0	0
4/8/2013	8:15	0	0
4/8/2013	8:30	0	0
4/8/2013	8:45	0	0
4/8/2013	9:00	0	0
4/8/2013	9:15	0	0
4/8/2013	9:30	0	0
4/8/2013	9:45	0	0
4/8/2013	10:00	0	0
4/8/2013	10:15	0	0
4/8/2013	10:30	0	0
4/8/2013	10:45	0	0
4/8/2013	11:00	0	0
4/8/2013	11:15	0	0
4/8/2013	11:30	0	0
4/8/2013	11:45	0	0
4/8/2013	12:00	0	0
4/8/2013	12:15	0	0
4/8/2013	12:30	0	0
4/8/2013	12:45	0	0
4/8/2013	13:00	0	0
4/8/2013	13:15	0	0
4/8/2013	13:30	0	0

Date	Time	Rainfall	
		in	mm
4/8/2013	13:45	0	0
4/8/2013	14:00	0	0
4/8/2013	14:15	0	0
4/8/2013	14:30	0	0
4/8/2013	14:45	0	0
4/8/2013	15:00	0	0
4/8/2013	15:15	0	0
4/8/2013	15:30	0	0
4/8/2013	15:45	0	0
4/8/2013	16:00	0	0
4/8/2013	16:15	0	0
4/8/2013	16:30	0	0
4/8/2013	16:45	0	0
4/8/2013	17:00	0	0
4/8/2013	17:15	0	0
4/8/2013	17:30	0	0
4/8/2013	17:45	0	0
4/8/2013	18:00	0	0
4/8/2013	18:15	0	0
4/8/2013	18:30	0	0
4/8/2013	18:45	0	0
4/8/2013	19:00	0	0
4/8/2013	19:15	0	0
4/8/2013	19:30	0	0
4/8/2013	19:45	0	0
4/8/2013	20:00	0	0
4/8/2013	20:15	0	0
4/8/2013	20:30	0	0
4/8/2013	20:45	0	0
4/8/2013	21:00	0	0
4/8/2013	21:15	0	0
4/8/2013	21:30	0	0
4/8/2013	21:45	0	0
4/8/2013	22:00	0	0
4/8/2013	22:15	0	0
4/8/2013	22:30	0	0
4/8/2013	22:45	0	0
4/8/2013	23:00	0	0
4/8/2013	23:15	0	0

Date	Time	Rainfall	
		in	mm
4/8/2013	23:30	0	0
4/8/2013	23:45	0	0
4/9/2013	0:00	0	0
4/9/2013	0:15	0	0
4/9/2013	0:30	0	0
4/9/2013	0:45	0	0
4/9/2013	1:00	0	0
4/9/2013	1:15	0	0
4/9/2013	1:30	0	0
4/9/2013	1:45	0	0
4/9/2013	2:00	0	0
4/9/2013	2:15	0	0
4/9/2013	2:30	0	0
4/9/2013	2:45	0	0
4/9/2013	3:00	0	0
4/9/2013	3:15	0	0
4/9/2013	3:30	0	0
4/9/2013	3:45	0	0
4/9/2013	4:00	0	0
4/9/2013	4:15	0	0
4/9/2013	4:30	0	0
4/9/2013	4:45	0	0
4/9/2013	5:00	0	0
4/9/2013	5:15	0	0
4/9/2013	5:30	0	0
4/9/2013	5:45	0	0
4/9/2013	6:00	0	0
4/9/2013	6:15	0	0
4/9/2013	6:30	0	0
4/9/2013	6:45	0	0
4/9/2013	7:00	0	0
4/9/2013	7:15	0	0
4/9/2013	7:30	0	0
4/9/2013	7:45	0	0
4/9/2013	8:00	0	0
4/9/2013	8:15	0	0
4/9/2013	8:30	0	0
4/9/2013	8:45	0	0
4/9/2013	9:00	0	0

Date	Time	Rainfall	
		in	mm
4/9/2013	9:15	0	0
4/9/2013	9:30	0	0
4/9/2013	9:45	0	0
4/9/2013	10:00	0	0
4/9/2013	10:15	0	0
4/9/2013	10:30	0	0
4/9/2013	10:45	0	0
4/9/2013	11:00	0	0
4/9/2013	11:15	0	0
4/9/2013	11:30	0	0
4/9/2013	11:45	0	0
4/9/2013	12:00	0	0
4/9/2013	12:15	0	0
4/9/2013	12:30	0	0
4/9/2013	12:45	0	0
4/9/2013	13:00	0	0
4/9/2013	13:15	0	0
4/9/2013	13:30	0	0
4/9/2013	13:45	0	0
4/9/2013	14:00	0	0
4/9/2013	14:15	0	0
4/9/2013	14:30	0	0
4/9/2013	14:45	0	0
4/9/2013	15:00	0	0
4/9/2013	15:15	0	0
4/9/2013	15:30	0	0
4/9/2013	15:45	0	0
4/9/2013	16:00	0	0
4/9/2013	16:15	0	0
4/9/2013	16:30	0	0
4/9/2013	16:45	0	0
4/9/2013	17:00	0	0
4/9/2013	17:15	0	0
4/9/2013	17:30	0	0
4/9/2013	17:45	0	0
4/9/2013	18:00	0	0
4/9/2013	18:15	0	0
4/9/2013	18:30	0	0
4/9/2013	18:45	0	0

Date	Time	Rainfall	
		in	mm
4/9/2013	19:00	0	0
4/9/2013	19:15	0	0
4/9/2013	19:30	0	0
4/9/2013	19:45	0	0
4/9/2013	20:00	0	0
4/9/2013	20:15	0	0
4/9/2013	20:30	0	0
4/9/2013	20:45	0	0
4/9/2013	21:00	0	0
4/9/2013	21:15	0	0
4/9/2013	21:30	0	0
4/9/2013	21:45	0	0
4/9/2013	22:00	0	0
4/9/2013	22:15	0	0
4/9/2013	22:30	0	0
4/9/2013	22:45	0	0
4/9/2013	23:00	0	0
4/9/2013	23:15	0	0
4/9/2013	23:30	0	0
4/9/2013	23:45	0	0
4/10/2013	0:00	0	0
4/10/2013	0:15	0	0
4/10/2013	0:30	0	0
4/10/2013	0:45	0	0
4/10/2013	1:00	0	0
4/10/2013	1:15	0	0
4/10/2013	1:30	0	0
4/10/2013	1:45	0	0
4/10/2013	2:00	0	0
4/10/2013	2:15	0	0
4/10/2013	2:30	0	0
4/10/2013	2:45	0	0
4/10/2013	3:00	0	0
4/10/2013	3:15	0	0
4/10/2013	3:30	0	0
4/10/2013	3:45	0	0
4/10/2013	4:00	0	0
4/10/2013	4:15	0	0
4/10/2013	4:30	0	0

Date	Time	Rainfall	
		in	mm
4/10/2013	4:45	0	0
4/10/2013	5:00	0	0
4/10/2013	5:15	0	0
4/10/2013	5:30	0	0
4/10/2013	5:45	0	0
4/10/2013	6:00	0	0
4/10/2013	6:15	0	0
4/10/2013	6:30	0	0
4/10/2013	6:45	0	0
4/10/2013	7:00	0	0
4/10/2013	7:15	0	0
4/10/2013	7:30	0	0
4/10/2013	7:45	0	0
4/10/2013	8:00	0	0
4/10/2013	8:15	0.02	0.508
4/10/2013	8:30	0.03	0.762
4/10/2013	8:45	0.04	1.016
4/10/2013	9:00	0.05	1.27
4/10/2013	9:15	0.06	1.524
4/10/2013	9:30	0.06	1.524
4/10/2013	9:45	0.05	1.27
4/10/2013	10:00	0.03	0.762
4/10/2013	10:15	0.03	0.762
4/10/2013	10:30	0.02	0.508
4/10/2013	10:45	0.01	0.254
4/10/2013	11:00	0	0
4/10/2013	11:15	0	0
4/10/2013	11:30	0	0
4/10/2013	11:45	0	0
4/10/2013	12:00	0	0
4/10/2013	12:15	0	0
4/10/2013	12:30	0	0
4/10/2013	12:45	0	0
4/10/2013	13:00	0	0
4/10/2013	13:15	0	0
4/10/2013	13:30	0	0
4/10/2013	13:45	0	0
4/10/2013	14:00	0	0
4/10/2013	14:15	0	0

Date	Time	Rainfall	
		in	mm
4/10/2013	14:30	0	0
4/10/2013	14:45	0	0
4/10/2013	15:00	0	0
4/10/2013	15:15	0	0
4/10/2013	15:30	0	0
4/10/2013	15:45	0	0
4/10/2013	16:00	0	0
4/10/2013	16:15	0	0
4/10/2013	16:30	0	0
4/10/2013	16:45	0	0
4/10/2013	17:00	0	0
4/10/2013	17:15	0	0
4/10/2013	17:30	0	0
4/10/2013	17:45	0	0
4/10/2013	18:00	0	0
4/10/2013	18:15	0	0
4/10/2013	18:30	0	0
4/10/2013	18:45	0	0
4/10/2013	19:00	0	0
4/10/2013	19:15	0	0
4/10/2013	19:30	0	0
4/10/2013	19:45	0	0
4/10/2013	20:00	0	0
4/10/2013	20:15	0	0
4/10/2013	20:30	0	0
4/10/2013	20:45	0	0
4/10/2013	21:00	0	0
4/10/2013	21:15	0	0
4/10/2013	21:30	0	0
4/10/2013	21:45	0	0
4/10/2013	22:00	0	0
4/10/2013	22:15	0	0
4/10/2013	22:30	0	0
4/10/2013	22:45	0	0
4/10/2013	23:00	0	0
4/10/2013	23:15	0	0
4/10/2013	23:30	0	0
4/10/2013	23:45	0	0
4/11/2013	0:00	0	0

Date	Time	Rainfall	
		in	mm
4/11/2013	0:15	0	0
4/11/2013	0:30	0	0
4/11/2013	0:45	0	0
4/11/2013	1:00	0	0
4/11/2013	1:15	0	0
4/11/2013	1:30	0	0
4/11/2013	1:45	0	0
4/11/2013	2:00	0	0
4/11/2013	2:15	0	0
4/11/2013	2:30	0	0
4/11/2013	2:45	0	0
4/11/2013	3:00	0	0
4/11/2013	3:15	0	0
4/11/2013	3:30	0	0
4/11/2013	3:45	0	0
4/11/2013	4:00	0	0
4/11/2013	4:15	0	0
4/11/2013	4:30	0	0
4/11/2013	4:45	0	0
4/11/2013	5:00	0	0
4/11/2013	5:15	0	0
4/11/2013	5:30	0	0
4/11/2013	5:45	0	0
4/11/2013	6:00	0	0
4/11/2013	6:15	0	0
4/11/2013	6:30	0	0
4/11/2013	6:45	0	0
4/11/2013	7:00	0	0
4/11/2013	7:15	0	0
4/11/2013	7:30	0	0
4/11/2013	7:45	0	0
4/11/2013	8:00	0	0
4/11/2013	8:15	0	0
4/11/2013	8:30	0	0
4/11/2013	8:45	0	0
4/11/2013	9:00	0	0
4/11/2013	9:15	0	0
4/11/2013	9:30	0	0
4/11/2013	9:45	0	0

Date	Time	Rainfall	
		in	mm
4/11/2013	10:00	0	0
4/11/2013	10:15	0	0
4/11/2013	10:30	0	0
4/11/2013	10:45	0	0
4/11/2013	11:00	0	0
4/11/2013	11:15	0	0
4/11/2013	11:30	0	0
4/11/2013	11:45	0	0
4/11/2013	12:00	0	0
4/11/2013	12:15	0	0
4/11/2013	12:30	0	0
4/11/2013	12:45	0	0
4/11/2013	13:00	0	0
4/11/2013	13:15	0	0
4/11/2013	13:30	0	0
4/11/2013	13:45	0	0
4/11/2013	14:00	0	0
4/11/2013	14:15	0	0
4/11/2013	14:30	0	0
4/11/2013	14:45	0	0
4/11/2013	15:00	0	0
4/11/2013	15:15	0	0
4/11/2013	15:30	0	0
4/11/2013	15:45	0	0
4/11/2013	16:00	0	0
4/11/2013	16:15	0	0
4/11/2013	16:30	0	0
4/11/2013	16:45	0	0
4/11/2013	17:00	0	0
4/11/2013	17:15	0	0
4/11/2013	17:30	0	0
4/11/2013	17:45	0	0
4/11/2013	18:00	0	0
4/11/2013	18:15	0	0
4/11/2013	18:30	0	0
4/11/2013	18:45	0	0
4/11/2013	19:00	0	0
4/11/2013	19:15	0	0
4/11/2013	19:30	0	0

Date	Time	Rainfall	
		in	mm
4/11/2013	19:45	0	0
4/11/2013	20:00	0	0
4/11/2013	20:15	0	0
4/11/2013	20:30	0	0
4/11/2013	20:45	0	0
4/11/2013	21:00	0	0
4/11/2013	21:15	0	0
4/11/2013	21:30	0	0
4/11/2013	21:45	0	0
4/11/2013	22:00	0	0
4/11/2013	22:15	0	0
4/11/2013	22:30	0	0
4/11/2013	22:45	0	0
4/11/2013	23:00	0	0
4/11/2013	23:15	0	0
4/11/2013	23:30	0	0
4/11/2013	23:45	0	0
4/12/2013	0:00	0	0
4/12/2013	0:15	0	0
4/12/2013	0:30	0	0
4/12/2013	0:45	0	0
4/12/2013	1:00	0	0
4/12/2013	1:15	0	0
4/12/2013	1:30	0	0
4/12/2013	1:45	0	0
4/12/2013	2:00	0	0
4/12/2013	2:15	0	0
4/12/2013	2:30	0	0
4/12/2013	2:45	0	0
4/12/2013	3:00	0	0
4/12/2013	3:15	0	0
4/12/2013	3:30	0	0
4/12/2013	3:45	0	0
4/12/2013	4:00	0	0
4/12/2013	4:15	0	0
4/12/2013	4:30	0	0
4/12/2013	4:45	0	0
4/12/2013	5:00	0	0
4/12/2013	5:15	0	0

Date	Time	Rainfall	
		in	mm
4/12/2013	5:30	0	0
4/12/2013	5:45	0	0
4/12/2013	6:00	0	0
4/12/2013	6:15	0	0
4/12/2013	6:30	0	0
4/12/2013	6:45	0	0
4/12/2013	7:00	0	0
4/12/2013	7:15	0	0
4/12/2013	7:30	0	0
4/12/2013	7:45	0	0
4/12/2013	8:00	0	0
4/12/2013	8:15	0	0
4/12/2013	8:30	0	0
4/12/2013	8:45	0	0
4/12/2013	9:00	0	0
4/12/2013	9:15	0	0
4/12/2013	9:30	0	0
4/12/2013	9:45	0	0
4/12/2013	10:00	0	0
4/12/2013	10:15	0	0
4/12/2013	10:30	0	0
4/12/2013	10:45	0	0
4/12/2013	11:00	0	0
4/12/2013	11:15	0	0
4/12/2013	11:30	0	0
4/12/2013	11:45	0	0
4/12/2013	12:00	0	0
4/12/2013	12:15	0	0
4/12/2013	12:30	0	0
4/12/2013	12:45	0	0
4/12/2013	13:00	0	0
4/12/2013	13:15	0	0
4/12/2013	13:30	0.01	0.254
4/12/2013	13:45	0.01	0.254
4/12/2013	14:00	0.02	0.508
4/12/2013	14:15	0.01	0.254
4/12/2013	14:30	0	0
4/12/2013	14:45	0.01	0.254
4/12/2013	15:00	0.01	0.254

Date	Time	Rainfall	
		in	mm
4/12/2013	15:15	0.02	0.508
4/12/2013	15:30	0.01	0.254
4/12/2013	15:45	0.01	0.254
4/12/2013	16:00	0.01	0.254
4/12/2013	16:15	0	0
4/12/2013	16:30	0.01	0.254
4/12/2013	16:45	0	0
4/12/2013	17:00	0.01	0.254
4/12/2013	17:15	0	0
4/12/2013	17:30	0.01	0.254
4/12/2013	17:45	0	0
4/12/2013	18:00	0	0
4/12/2013	18:15	0	0
4/12/2013	18:30	0	0
4/12/2013	18:45	0.01	0.254
4/12/2013	19:00	0	0
4/12/2013	19:15	0	0
4/12/2013	19:30	0.01	0.254
4/12/2013	19:45	0	0
4/12/2013	20:00	0	0
4/12/2013	20:15	0	0
4/12/2013	20:30	0.01	0.254
4/12/2013	20:45	0	0
4/12/2013	21:00	0	0
4/12/2013	21:15	0.01	0.254
4/12/2013	21:30	0	0
4/12/2013	21:45	0	0
4/12/2013	22:00	0	0
4/12/2013	22:15	0	0
4/12/2013	22:30	0	0
4/12/2013	22:45	0	0
4/12/2013	23:00	0	0
4/12/2013	23:15	0	0
4/12/2013	23:30	0	0
4/12/2013	23:45	0	0
4/13/2013	0:00	0	0
4/13/2013	0:15	0	0
4/13/2013	0:30	0	0
4/13/2013	0:45	0	0

Date	Time	Rainfall	
		in	mm
4/13/2013	1:00	0	0
4/13/2013	1:15	0	0
4/13/2013	1:30	0	0
4/13/2013	1:45	0	0
4/13/2013	2:00	0	0
4/13/2013	2:15	0	0
4/13/2013	2:30	0	0
4/13/2013	2:45	0	0
4/13/2013	3:00	0	0
4/13/2013	3:15	0	0
4/13/2013	3:30	0	0
4/13/2013	3:45	0	0
4/13/2013	4:00	0	0
4/13/2013	4:15	0	0
4/13/2013	4:30	0	0
4/13/2013	4:45	0	0
4/13/2013	5:00	0	0
4/13/2013	5:15	0	0
4/13/2013	5:30	0	0
4/13/2013	5:45	0	0
4/13/2013	6:00	0	0
4/13/2013	6:15	0	0
4/13/2013	6:30	0	0
4/13/2013	6:45	0	0
4/13/2013	7:00	0	0
4/13/2013	7:15	0	0
4/13/2013	7:30	0	0
4/13/2013	7:45	0	0
4/13/2013	8:00	0	0
4/13/2013	8:15	0	0
4/13/2013	8:30	0	0
4/13/2013	8:45	0.01	0.254
4/13/2013	9:00	0	0
4/13/2013	9:15	0	0
4/13/2013	9:30	0	0
4/13/2013	9:45	0	0
4/13/2013	10:00	0	0
4/13/2013	10:15	0.01	0.254
4/13/2013	10:30	0	0

Date	Time	Rainfall	
		in	mm
4/13/2013	10:45	0	0
4/13/2013	11:00	0.01	0.254
4/13/2013	11:15	0	0
4/13/2013	11:30	0	0
4/13/2013	11:45	0	0
4/13/2013	12:00	0.04	1.016
4/13/2013	12:15	0.04	1.016
4/13/2013	12:30	0	0
4/13/2013	12:45	0	0
4/13/2013	13:00	0.03	0.762
4/13/2013	13:15	0	0
4/13/2013	13:30	0	0
4/13/2013	13:45	0.01	0.254
4/13/2013	14:00	0.01	0.254
4/13/2013	14:15	0	0
4/13/2013	14:30	0	0
4/13/2013	14:45	0	0
4/13/2013	15:00	0.03	0.762
4/13/2013	15:15	0	0
4/13/2013	15:30	0	0
4/13/2013	15:45	0	0
4/13/2013	16:00	0	0
4/13/2013	16:15	0.01	0.254
4/13/2013	16:30	0.01	0.254
4/13/2013	16:45	0	0
4/13/2013	17:00	0	0
4/13/2013	17:15	0	0
4/13/2013	17:30	0	0
4/13/2013	17:45	0	0
4/13/2013	18:00	0.01	0.254
4/13/2013	18:15	0.01	0.254
4/13/2013	18:30	0	0
4/13/2013	18:45	0	0
4/13/2013	19:00	0	0
4/13/2013	19:15	0	0
4/13/2013	19:30	0	0
4/13/2013	19:45	0	0
4/13/2013	20:00	0	0
4/13/2013	20:15	0	0

Date	Time	Rainfall	
		in	mm
4/13/2013	20:30	0	0
4/13/2013	20:45	0	0
4/13/2013	21:00	0	0
4/13/2013	21:15	0	0
4/13/2013	21:30	0	0
4/13/2013	21:45	0	0
4/13/2013	22:00	0	0
4/13/2013	22:15	0	0
4/13/2013	22:30	0	0
4/13/2013	22:45	0	0
4/13/2013	23:00	0	0
4/13/2013	23:15	0	0
4/13/2013	23:30	0	0
4/13/2013	23:45	0	0
4/14/2013	0:00	0	0
4/14/2013	0:15	0	0
4/14/2013	0:30	0	0
4/14/2013	0:45	0	0
4/14/2013	1:00	0	0
4/14/2013	1:15	0	0
4/14/2013	1:30	0	0
4/14/2013	1:45	0	0
4/14/2013	2:00	0	0
4/14/2013	2:15	0	0
4/14/2013	2:30	0	0
4/14/2013	2:45	0	0
4/14/2013	3:00	0	0
4/14/2013	3:15	0	0
4/14/2013	3:30	0	0
4/14/2013	3:45	0	0
4/14/2013	4:00	0	0
4/14/2013	4:15	0	0
4/14/2013	4:30	0	0
4/14/2013	4:45	0	0
4/14/2013	5:00	0	0
4/14/2013	5:15	0	0
4/14/2013	5:30	0	0
4/14/2013	5:45	0	0
4/14/2013	6:00	0	0

Date	Time	Rainfall	
		in	mm
4/14/2013	6:15	0	0
4/14/2013	6:30	0	0
4/14/2013	6:45	0	0
4/14/2013	7:00	0	0
4/14/2013	7:15	0	0
4/14/2013	7:30	0	0
4/14/2013	7:45	0	0
4/14/2013	8:00	0	0
4/14/2013	8:15	0	0
4/14/2013	8:30	0	0
4/14/2013	8:45	0	0
4/14/2013	9:00	0	0
4/14/2013	9:15	0	0
4/14/2013	9:30	0	0
4/14/2013	9:45	0	0
4/14/2013	10:00	0	0
4/14/2013	10:15	0	0
4/14/2013	10:30	0	0
4/14/2013	10:45	0	0
4/14/2013	11:00	0	0
4/14/2013	11:15	0.01	0.254
4/14/2013	11:30	0.03	0.762
4/14/2013	11:45	0	0
4/14/2013	12:00	0.01	0.254
4/14/2013	12:15	0	0
4/14/2013	12:30	0	0
4/14/2013	12:45	0	0
4/14/2013	13:00	0	0
4/14/2013	13:15	0	0
4/14/2013	13:30	0.01	0.254
4/14/2013	13:45	0.07	1.778
4/14/2013	14:00	0.07	1.778
4/14/2013	14:15	0.03	0.762
4/14/2013	14:30	0.05	1.27
4/14/2013	14:45	0.01	0.254
4/14/2013	15:00	0	0
4/14/2013	15:15	0	0
4/14/2013	15:30	0	0
4/14/2013	15:45	0	0

Date	Time	Rainfall	
		in	mm
4/14/2013	16:00	0	0
4/14/2013	16:15	0	0
4/14/2013	16:30	0	0
4/14/2013	16:45	0	0
4/14/2013	17:00	0	0
4/14/2013	17:15	0.01	0.254
4/14/2013	17:30	0.04	1.016
4/14/2013	17:45	0.03	0.762
4/14/2013	18:00	0.02	0.508
4/14/2013	18:15	0.02	0.508
4/14/2013	18:30	0	0
4/14/2013	18:45	0	0
4/14/2013	19:00	0	0
4/14/2013	19:15	0	0
4/14/2013	19:30	0	0
4/14/2013	19:45	0	0
4/14/2013	20:00	0	0
4/14/2013	20:15	0	0
4/14/2013	20:30	0	0
4/14/2013	20:45	0	0
4/14/2013	21:00	0	0
4/14/2013	21:15	0	0
4/14/2013	21:30	0	0
4/14/2013	21:45	0	0
4/14/2013	22:00	0	0
4/14/2013	22:15	0	0
4/14/2013	22:30	0	0
4/14/2013	22:45	0	0
4/14/2013	23:00	0	0
4/14/2013	23:15	0	0
4/14/2013	23:30	0	0
4/14/2013	23:45	0	0
4/15/2013	0:00	0	0
4/15/2013	0:15	0	0
4/15/2013	0:30	0	0
4/15/2013	0:45	0	0
4/15/2013	1:00	0	0
4/15/2013	1:15	0	0
4/15/2013	1:30	0	0

Date	Time	Rainfall	
		in	mm
4/15/2013	1:45	0	0
4/15/2013	2:00	0	0
4/15/2013	2:15	0	0
4/15/2013	2:30	0	0
4/15/2013	2:45	0	0
4/15/2013	3:00	0	0
4/15/2013	3:15	0	0
4/15/2013	3:30	0	0
4/15/2013	3:45	0	0
4/15/2013	4:00	0	0
4/15/2013	4:15	0	0
4/15/2013	4:30	0	0
4/15/2013	4:45	0	0
4/15/2013	5:00	0	0
4/15/2013	5:15	0	0
4/15/2013	5:30	0	0
4/15/2013	5:45	0	0
4/15/2013	6:00	0	0
4/15/2013	6:15	0	0
4/15/2013	6:30	0	0
4/15/2013	6:45	0	0
4/15/2013	7:00	0	0
4/15/2013	7:15	0	0
4/15/2013	7:30	0	0
4/15/2013	7:45	0	0
4/15/2013	8:00	0	0
4/15/2013	8:15	0	0
4/15/2013	8:30	0	0
4/15/2013	8:45	0	0
4/15/2013	9:00	0	0
4/15/2013	9:15	0	0
4/15/2013	9:30	0	0
4/15/2013	9:45	0	0
4/15/2013	10:00	0	0
4/15/2013	10:15	0	0
4/15/2013	10:30	0	0
4/15/2013	10:45	0	0
4/15/2013	11:00	0	0
4/15/2013	11:15	0	0

Date	Time	Rainfall	
		in	mm
4/15/2013	11:30	0	0
4/15/2013	11:45	0	0
4/15/2013	12:00	0	0
4/15/2013	12:15	0	0
4/15/2013	12:30	0	0
4/15/2013	12:45	0	0
4/15/2013	13:00	0	0
4/15/2013	13:15	0	0
4/15/2013	13:30	0	0
4/15/2013	13:45	0	0
4/15/2013	14:00	0	0
4/15/2013	14:15	0	0
4/15/2013	14:30	0	0
4/15/2013	14:45	0	0
4/15/2013	15:00	0	0
4/15/2013	15:15	0	0
4/15/2013	15:30	0	0
4/15/2013	15:45	0	0
4/15/2013	16:00	0	0
4/15/2013	16:15	0	0
4/15/2013	16:30	0	0
4/15/2013	16:45	0	0
4/15/2013	17:00	0	0
4/15/2013	17:15	0	0
4/15/2013	17:30	0	0
4/15/2013	17:45	0	0
4/15/2013	18:00	0	0
4/15/2013	18:15	0	0
4/15/2013	18:30	0	0
4/15/2013	18:45	0	0
4/15/2013	19:00	0.04	1.016
4/15/2013	19:15	0.07	1.778
4/15/2013	19:30	0.01	0.254
4/15/2013	19:45	0	0
4/15/2013	20:00	0	0
4/15/2013	20:15	0	0
4/15/2013	20:30	0	0
4/15/2013	20:45	0	0
4/15/2013	21:00	0	0

Date	Time	Rainfall	
		in	mm
4/15/2013	21:15	0	0
4/15/2013	21:30	0	0
4/15/2013	21:45	0	0
4/15/2013	22:00	0	0
4/15/2013	22:15	0	0
4/15/2013	22:30	0	0
4/15/2013	22:45	0	0
4/15/2013	23:00	0	0
4/15/2013	23:15	0	0
4/15/2013	23:30	0	0
4/15/2013	23:45	0	0
4/16/2013	0:00	0	0
4/16/2013	0:15	0	0
4/16/2013	0:30	0	0
4/16/2013	0:45	0	0
4/16/2013	1:00	0	0
4/16/2013	1:15	0	0
4/16/2013	1:30	0	0
4/16/2013	1:45	0	0
4/16/2013	2:00	0	0
4/16/2013	2:15	0	0
4/16/2013	2:30	0	0
4/16/2013	2:45	0	0
4/16/2013	3:00	0	0
4/16/2013	3:15	0	0
4/16/2013	3:30	0	0
4/16/2013	3:45	0	0
4/16/2013	4:00	0	0
4/16/2013	4:15	0	0
4/16/2013	4:30	0	0
4/16/2013	4:45	0	0
4/16/2013	5:00	0	0
4/16/2013	5:15	0	0
4/16/2013	5:30	0	0
4/16/2013	5:45	0	0
4/16/2013	6:00	0	0
4/16/2013	6:15	0	0
4/16/2013	6:30	0	0
4/16/2013	6:45	0	0

Date	Time	Rainfall	
		in	mm
4/16/2013	7:00	0	0
4/16/2013	7:15	0	0
4/16/2013	7:30	0	0
4/16/2013	7:45	0	0
4/16/2013	8:00	0	0
4/16/2013	8:15	0	0
4/16/2013	8:30	0	0
4/16/2013	8:45	0	0
4/16/2013	9:00	0	0
4/16/2013	9:15	0	0
4/16/2013	9:30	0	0
4/16/2013	9:45	0	0
4/16/2013	10:00	0	0
4/16/2013	10:15	0	0
4/16/2013	10:30	0	0
4/16/2013	10:45	0	0
4/16/2013	11:00	0	0
4/16/2013	11:15	0	0
4/16/2013	11:30	0	0
4/16/2013	11:45	0	0
4/16/2013	12:00	0	0
4/16/2013	12:15	0	0
4/16/2013	12:30	0	0
4/16/2013	12:45	0	0
4/16/2013	13:00	0	0
4/16/2013	13:15	0	0
4/16/2013	13:30	0	0
4/16/2013	13:45	0	0
4/16/2013	14:00	0	0
4/16/2013	14:15	0	0
4/16/2013	14:30	0	0
4/16/2013	14:45	0	0
4/16/2013	15:00	0	0
4/16/2013	15:15	0	0
4/16/2013	15:30	0	0
4/16/2013	15:45	0	0
4/16/2013	16:00	0	0
4/16/2013	16:15	0	0
4/16/2013	16:30	0	0

Date	Time	Rainfall	
		in	mm
4/16/2013	16:45	0	0
4/16/2013	17:00	0	0
4/16/2013	17:15	0.01	0.254
4/16/2013	17:30	0	0
4/16/2013	17:45	0	0
4/16/2013	18:00	0	0
4/16/2013	18:15	0	0
4/16/2013	18:30	0	0
4/16/2013	18:45	0	0
4/16/2013	19:00	0	0
4/16/2013	19:15	0	0
4/16/2013	19:30	0	0
4/16/2013	19:45	0	0
4/16/2013	20:00	0	0
4/16/2013	20:15	0	0
4/16/2013	20:30	0	0
4/16/2013	20:45	0	0
4/16/2013	21:00	0	0
4/16/2013	21:15	0	0
4/16/2013	21:30	0	0
4/16/2013	21:45	0	0
4/16/2013	22:00	0	0
4/16/2013	22:15	0	0
4/16/2013	22:30	0	0
4/16/2013	22:45	0	0
4/16/2013	23:00	0	0
4/16/2013	23:15	0	0
4/16/2013	23:30	0	0
4/16/2013	23:45	0	0
4/17/2013	0:00	0	0
4/17/2013	0:15	0	0
4/17/2013	0:30	0	0
4/17/2013	0:45	0	0
4/17/2013	1:00	0	0
4/17/2013	1:15	0	0
4/17/2013	1:30	0	0
4/17/2013	1:45	0	0
4/17/2013	2:00	0	0
4/17/2013	2:15	0	0

Date	Time	Rainfall	
		in	mm
4/17/2013	2:30	0	0
4/17/2013	2:45	0	0
4/17/2013	3:00	0	0
4/17/2013	3:15	0	0
4/17/2013	3:30	0	0
4/17/2013	3:45	0	0
4/17/2013	4:00	0	0
4/17/2013	4:15	0	0
4/17/2013	4:30	0	0
4/17/2013	4:45	0	0
4/17/2013	5:00	0	0
4/17/2013	5:15	0	0
4/17/2013	5:30	0	0
4/17/2013	5:45	0	0
4/17/2013	6:00	0	0
4/17/2013	6:15	0	0
4/17/2013	6:30	0	0
4/17/2013	6:45	0	0
4/17/2013	7:00	0	0
4/17/2013	7:15	0	0
4/17/2013	7:30	0	0
4/17/2013	7:45	0	0
4/17/2013	8:00	0	0
4/17/2013	8:15	0	0
4/17/2013	8:30	0	0
4/17/2013	8:45	0	0
4/17/2013	9:00	0	0
4/17/2013	9:15	0	0
4/17/2013	9:30	0	0
4/17/2013	9:45	0	0
4/17/2013	10:00	0	0
4/17/2013	10:15	0	0
4/17/2013	10:30	0	0
4/17/2013	10:45	0	0
4/17/2013	11:00	0	0
4/17/2013	11:15	0	0
4/17/2013	11:30	0	0
4/17/2013	11:45	0	0
4/17/2013	12:00	0	0

Date	Time	Rainfall	
		in	mm
4/17/2013	12:15	0	0
4/17/2013	12:30	0	0
4/17/2013	12:45	0	0
4/17/2013	13:00	0	0
4/17/2013	13:15	0	0
4/17/2013	13:30	0	0
4/17/2013	13:45	0	0
4/17/2013	14:00	0	0
4/17/2013	14:15	0	0
4/17/2013	14:30	0	0
4/17/2013	14:45	0	0
4/17/2013	15:00	0	0
4/17/2013	15:15	0	0
4/17/2013	15:30	0	0
4/17/2013	15:45	0	0
4/17/2013	16:00	0	0
4/17/2013	16:15	0	0
4/17/2013	16:30	0	0
4/17/2013	16:45	0	0
4/17/2013	17:00	0	0
4/17/2013	17:15	0	0
4/17/2013	17:30	0	0
4/17/2013	17:45	0	0
4/17/2013	18:00	0	0
4/17/2013	18:15	0	0
4/17/2013	18:30	0	0
4/17/2013	18:45	0	0
4/17/2013	19:00	0	0
4/17/2013	19:15	0	0
4/17/2013	19:30	0	0
4/17/2013	19:45	0	0
4/17/2013	20:00	0	0
4/17/2013	20:15	0	0
4/17/2013	20:30	0	0
4/17/2013	20:45	0	0
4/17/2013	21:00	0	0
4/17/2013	21:15	0	0
4/17/2013	21:30	0	0
4/17/2013	21:45	0	0

Date	Time	Rainfall	
		in	mm
4/17/2013	22:00	0	0
4/17/2013	22:15	0	0
4/17/2013	22:30	0	0
4/17/2013	22:45	0	0
4/17/2013	23:00	0	0
4/17/2013	23:15	0	0
4/17/2013	23:30	0	0
4/17/2013	23:45	0	0
4/18/2013	0:00	0	0
4/18/2013	0:15	0	0
4/18/2013	0:30	0	0
4/18/2013	0:45	0	0
4/18/2013	1:00	0	0
4/18/2013	1:15	0	0
4/18/2013	1:30	0	0
4/18/2013	1:45	0	0
4/18/2013	2:00	0	0
4/18/2013	2:15	0	0
4/18/2013	2:30	0	0
4/18/2013	2:45	0	0
4/18/2013	3:00	0	0
4/18/2013	3:15	0	0
4/18/2013	3:30	0	0
4/18/2013	3:45	0	0
4/18/2013	4:00	0	0
4/18/2013	4:15	0	0
4/18/2013	4:30	0	0
4/18/2013	4:45	0	0
4/18/2013	5:00	0	0
4/18/2013	5:15	0	0
4/18/2013	5:30	0	0
4/18/2013	5:45	0	0
4/18/2013	6:00	0	0
4/18/2013	6:15	0	0
4/18/2013	6:30	0	0
4/18/2013	6:45	0	0
4/18/2013	7:00	0	0
4/18/2013	7:15	0	0
4/18/2013	7:30	0	0

Date	Time	Rainfall	
		in	mm
4/18/2013	7:45	0	0
4/18/2013	8:00	0	0
4/18/2013	8:15	0	0
4/18/2013	8:30	0	0
4/18/2013	8:45	0	0
4/18/2013	9:00	0	0
4/18/2013	9:15	0	0
4/18/2013	9:30	0	0
4/18/2013	9:45	0	0
4/18/2013	10:00	0	0
4/18/2013	10:15	0	0
4/18/2013	10:30	0	0
4/18/2013	10:45	0	0
4/18/2013	11:00	0	0
4/18/2013	11:15	0	0
4/18/2013	11:30	0	0
4/18/2013	11:45	0	0
4/18/2013	12:00	0	0
4/18/2013	12:15	0	0
4/18/2013	12:30	0	0
4/18/2013	12:45	0	0
4/18/2013	13:00	0	0
4/18/2013	13:15	0	0
4/18/2013	13:30	0	0
4/18/2013	13:45	0	0
4/18/2013	14:00	0	0
4/18/2013	14:15	0	0
4/18/2013	14:30	0	0
4/18/2013	14:45	0	0
4/18/2013	15:00	0	0
4/18/2013	15:15	0	0
4/18/2013	15:30	0	0
4/18/2013	15:45	0	0
4/18/2013	16:00	0	0
4/18/2013	16:15	0	0
4/18/2013	16:30	0	0
4/18/2013	16:45	0	0
4/18/2013	17:00	0	0
4/18/2013	17:15	0	0

Date	Time	Rainfall	
		in	mm
4/18/2013	17:30	0	0
4/18/2013	17:45	0	0
4/18/2013	18:00	0	0
4/18/2013	18:15	0	0
4/18/2013	18:30	0	0
4/18/2013	18:45	0	0
4/18/2013	19:00	0.01	0.254
4/18/2013	19:15	0	0
4/18/2013	19:30	0.01	0.254
4/18/2013	19:45	0	0
4/18/2013	20:00	0	0
4/18/2013	20:15	0	0
4/18/2013	20:30	0	0
4/18/2013	20:45	0	0
4/18/2013	21:00	0	0
4/18/2013	21:15	0	0
4/18/2013	21:30	0	0
4/18/2013	21:45	0	0
4/18/2013	22:00	0	0
4/18/2013	22:15	0	0
4/18/2013	22:30	0	0
4/18/2013	22:45	0	0
4/18/2013	23:00	0	0
4/18/2013	23:15	0	0
4/18/2013	23:30	0	0
4/18/2013	23:45	0	0
4/19/2013	0:00	0	0
4/19/2013	0:15	0	0
4/19/2013	0:30	0	0
4/19/2013	0:45	0	0
4/19/2013	1:00	0	0
4/19/2013	1:15	0	0
4/19/2013	1:30	0	0
4/19/2013	1:45	0	0
4/19/2013	2:00	0	0
4/19/2013	2:15	0	0
4/19/2013	2:30	0.01	0.254
4/19/2013	2:45	0	0
4/19/2013	3:00	0	0

Date	Time	Rainfall	
		in	mm
4/19/2013	3:15	0.01	0.254
4/19/2013	3:30	0	0
4/19/2013	3:45	0	0
4/19/2013	4:00	0	0
4/19/2013	4:15	0.01	0.254
4/19/2013	4:30	0	0
4/19/2013	4:45	0	0
4/19/2013	5:00	0	0
4/19/2013	5:15	0.01	0.254
4/19/2013	5:30	0.01	0.254
4/19/2013	5:45	0.01	0.254
4/19/2013	6:00	0.01	0.254
4/19/2013	6:15	0.01	0.254
4/19/2013	6:30	0	0
4/19/2013	6:45	0.01	0.254
4/19/2013	7:00	0.01	0.254
4/19/2013	7:15	0.02	0.508
4/19/2013	7:30	0.01	0.254
4/19/2013	7:45	0.02	0.508
4/19/2013	8:00	0.02	0.508
4/19/2013	8:15	0.01	0.254
4/19/2013	8:30	0.01	0.254
4/19/2013	8:45	0	0
4/19/2013	9:00	0.01	0.254
4/19/2013	9:15	0	0
4/19/2013	9:30	0	0
4/19/2013	9:45	0	0
4/19/2013	10:00	0	0
4/19/2013	10:15	0.01	0.254
4/19/2013	10:30	0.01	0.254
4/19/2013	10:45	0.02	0.508
4/19/2013	11:00	0.01	0.254
4/19/2013	11:15	0	0
4/19/2013	11:30	0.01	0.254
4/19/2013	11:45	0.01	0.254
4/19/2013	12:00	0.01	0.254
4/19/2013	12:15	0	0
4/19/2013	12:30	0	0
4/19/2013	12:45	0	0

Date	Time	Rainfall	
		in	mm
4/19/2013	13:00	0	0
4/19/2013	13:15	0.01	0.254
4/19/2013	13:30	0	0
4/19/2013	13:45	0	0
4/19/2013	14:00	0.01	0.254
4/19/2013	14:15	0.01	0.254
4/19/2013	14:30	0	0
4/19/2013	14:45	0	0
4/19/2013	15:00	0	0
4/19/2013	15:15	0	0
4/19/2013	15:30	0	0
4/19/2013	15:45	0	0
4/19/2013	16:00	0	0
4/19/2013	16:15	0	0
4/19/2013	16:30	0	0
4/19/2013	16:45	0	0
4/19/2013	17:00	0	0
4/19/2013	17:15	0	0
4/19/2013	17:30	0	0
4/19/2013	17:45	0	0
4/19/2013	18:00	0	0
4/19/2013	18:15	0	0
4/19/2013	18:30	0	0
4/19/2013	18:45	0	0
4/19/2013	19:00	0	0
4/19/2013	19:15	0	0
4/19/2013	19:30	0	0
4/19/2013	19:45	0	0
4/19/2013	20:00	0	0
4/19/2013	20:15	0	0
4/19/2013	20:30	0	0
4/19/2013	20:45	0	0
4/19/2013	21:00	0	0
4/19/2013	21:15	0	0
4/19/2013	21:30	0	0
4/19/2013	21:45	0	0
4/19/2013	22:00	0	0
4/19/2013	22:15	0	0
4/19/2013	22:30	0	0

Date	Time	Rainfall	
		in	mm
4/19/2013	22:45	0	0
4/19/2013	23:00	0	0
4/19/2013	23:15	0	0
4/19/2013	23:30	0	0
4/19/2013	23:45	0	0
4/20/2013	0:00	0	0

Field Notes

The following 224 pages are copies of notes that field staff completed while working on this project.

1/30/13 Equip Rinses + Water Blanks

Work Order # 1302051

Cleaning Room di water: 2: 14:10

WBC-01-30-13-01

Metals PAHs, phthalates PBDEs

Lab DI water: 14:20

WBL-01-30-13-01

metals, PAHs, phthalates, PBDEs

DC DI water 16:00

WBO-01-30-13-01

metals, PAHs, phthalates, PBDEs

ER Gutters 16:40

ERG-01-30-13-01

metals, PAHs, phthalates, PBDEs

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Event Checklist

Date and time collection pots placed _____

Date and time rain initiated _____

Date and time rain stopped _____

Calculated rain duration _____

Rain intensity (mm/hr) (downloaded from rain gage):

average _____ range: _____

Rain depth (mm) (downloaded from the rain gage) _____

Names of samplers ___N Winters & Kyle Graunke

Weather conditions: _____

Unusual observations about the event:

Decon completed 7pm 2/5/13
Butter decon 2/6/13 9:47 - 10:07
Everything in place 10:09

pH meter calibrated?

Specific conductivity meter calibration:

Pre-read Temp.°C	Pre-read (uS/cm)	Post-read °C	Post- read (uS/cm)	Bat. (%)	CONV	(Beta %)
				100	0.5	1.9

Time samples moved to courier pick up cooler:

Panel Checklist

Panel Name _____

Time gutter removed? _____

Time arrived at panel _____

Volume collected _____ cm _____ L

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

Surface Areas

Asphalt Shingle 1 - $98.5 \times 49"$

Asphalt Shingle 2 $97.25" \times 49.25"$

Asphalt Shingle 3 $97.25 \times 49.25"$

Painted Metal - 97.75×48.75
+ (2×1)

Wood shingle w/CCA $98.75" \times 49"$
+ $2 \times 49"$

Asphalt Shingle w/AR $97.5 \times 49"$

Cu $97.5" \times 48.25"$

Wood shingle No Treat 98.75×49
+ $1" \times 49"$

Glass Slab $96.0" \times 48"$
+ $3/8" \times 48$

Concrete T.I. $99.5 \times 48"$

MBUR w/ SBS 96.25' x 48.25'
+ 4' x 48.25'

EPDM 96.5" x 47.75"
2" x 47.75"

BUR w/ OA 96.25" x 48'
+ 4" x 48"

TPO 48.25' x 95.5"
+ 1" x 48.5' + 0.5' x 48.5'

MBUR w/ APP 48.5" x 96.25'
+ 4" x 48.5"

Glass low 4.0' x 96.25"
+ $(\frac{1}{2} + \frac{3}{8}) \times 48"$

Gutters Slope

3' $\searrow$ 2.5'

x 59.5

45°

4.5

3.75

2/5/13

Pots out 7:04pm 2/4/13

2:00pm 2/5/13 stop event

Rain 0.12

Z in containers

AS1

9.5cm

AS 2

~~9.7~~ 10.0 cm

AS 3

9.75 cm

PM

10.0 cm

WS w/CCA

9.75 cm

AS w/ AR

9.0 cm

Cu

10.5 cm

WS

9.0 cm

Glass Slap

10.0 cm

Concrete

1.5 cm

glass flat

11.0 cm

BU w/APP

10.0 cm

TPO

10.0 cm

2/7/13	Volume / Depth
Rainfall	0.07"
AS 1	6 cm
AS 2	6.5
AS 3	6.5
PM	7.0
Wood w/CCA	6.5
AAR	7.0
Cu	7.0
Wood	6.0
Glass steep	7.0
Concrete	6.0
Zinc	6.0
PVC	6.5
MBUR w/SBS	6.5
EPDM	6.5
BUR	7.0
TPO	7.5
MBUR w/APP	7.0
Glass low	7.0

SPLP codes

3/25/13

Zinc-based Coupons

Workorder

Zincalume ZIN-01

1303043-01

ZIN-02

02

ZIN 03

03

Galvanized Steel

GAL-01

-04

-02

-05

-03

-06

Snow Seal Coated Galv. Steel

SNO-01

07

-02

08

-03

09

Sherwin Williams Acrylic coated Galv. Steel

ASW-01

-10

ASW-02

-11

ASW-03

-12

SPLP (cont)

1303043-

Polysil 2500	SIL-01	-16
coating galv. steel	SIL-02	-17
	SIL-03	-18

Aluminum fiber asphalt coating galv steel

ALA-01	-19
ALA-02	-20
ALA-03	-21

Elastuff 101 coating galv steel

PAHO + metals	EPB-01	22
	-02	23
	-03	24
PBDEs	EPB-04	25
	EPB 05	26
	EPB 06	27

SPLP (cont)

COPPER BASED COUPONS

1303-043

Copper - no coating metals + PAHs	CUB-01	-28
	CUB-02	-29
	CUB-03	-30

Copper coated w/ Synacrylic

metals + PAHs	SYN-01	-31
	SYN-02	-32
	SYN-03	-33

Copper coated w/ Corflon

COR-01	-34
COR-02	-35
COR-03	-36

SPLP Coatings

Nicks observed in coatings
or finishes of following
samples

ZIN-01 }
-02 } nick in zincalume
-03 } finish

CUB-02 } nick in copper
plating

Nicks in coatings

SIL-03 }
SNO-01 } Zn coupons
ASW-03 }

SYN 03 }
COR 01 } Copper coupons
COR 02 }

Event Checklist

Date and time collection pots placed 2/22/13

Date and time rain initiated 2/21/13 10:05 - 10:15

Date and time rain stopped 2/22/13 10:02 - 10:05

Calculated rain duration 24 hrs

Rain intensity (^{mm}/hr) (downloaded from rain gage):

average 0.0027 range: ^{in 15 min} 0.00 - 0.06

Rain depth (^{mm}) (downloaded from the rain gage) 0.64

Names of samplers X N Winters & Kyle Graunke + Lisa

Weather conditions: raining + windy Rozmyn

Unusual observations about the event:

Decon completed 7pm 2/5/13
Dutcher decon 2/6/13 9:47 - 10:07
Everything in place 10:09

} previous

pH meter calibrated? ✓

Specific conductivity meter calibration:

Pre-read Temp.°C	Pre-read (uS/cm)	Post-read °C	Post-read (uS/cm)	Bat. (%)	CONV	(Beta %)
16.5	1413	16.0	1413	100	0.5	1.9

Time samples moved to courier pick up cooler: 8:00 pm 2/22/13

Panel Checklist

Panel Name Asphalt Shingle 1
Time gutter removed? 10:02 2/22/13
Time arrived at panel 2/22/13 10:30
Volume collected 55 cm 54.6 L

1302024-01...04 10:30
Sample Id* & Time: AS1-02-22-13-01
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

10:00
Sample Id* & Time: AS1-02-22-13-02 dup
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

11:00
Sample Id* & Time: AS1-02-22-13-03 MS
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

11:10
Sample Id* & Time: AS1-02-22-13-04 MSD
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

3.7° 6.87
Temp/pH: 6.87 Specific conductivity: 21

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle
Time gutter removed? 10:02 2/25/13
Time arrived at panel 11:20 2/25/13
Volume collected 55 cm 54.6 L

130204-05

Sample Id* & Time: A52-02-22-1 3:01
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: - _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.7° / 6.89 Specific conductivity: 10

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name AS3
 Time gutter removed? 10:02 2/22/13
 Time arrived at panel 12:40 2/22/13
 Volume collected 56 cm 55.6 L

1302624-06
 Sample Id* & Time: AS3-02-22-13-01 12:45
 Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: 1245
 Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: 12
 Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
 Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.7°/6.9.7 Specific conductivity: 11

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name PAZ

Time gutter removed? 10:02-05 2/22/13

Time arrived at panel 13:10 2/22/13

Volume collected 59 cm 58.6 L

1302024-07
Sample Id* & Time: PAZ-02-02-13-01

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.7°C / 5.39 Specific conductivity: 6

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Treated Wood

Time gutter removed? 10:02 - 05 2/22/13

Time arrived at panel 13:20 2/22/13

Volume collected 58 cm 57.6 L

1302024-08

13:20

Sample Id* & Time: TWO-02-22-13-01

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.7 °C 5.05 Specific conductivity: 15

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle - w/AR

Time gutter removed? 10:02-05 2/22/13

Time arrived at panel 13:40 2/22/13

Volume collected 55 cm 54.6 L

1302024-09
Sample Id* & Time: AAR 02-22-13-01 13:40

Anal ☒ Tot Met ☒ Ess Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

3.4°C
Temp/pH: 6.55 Specific conductivity: 15

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Copper
Time gutter removed? 10:02-05 2/22/13
Time arrived at panel 13:50 2/22/13
Volume collected 53 cm 52.6 L

1302024-10
Sample Id* & Time: CPR-02-22-13-01 13:50
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302024-11
Sample Id* & Time: CPR-02-22-13-02 14:00
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302024-12
Sample Id* & Time: CPR-02-22-13-03 14:05
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302024-13
Sample Id* & Time: CPR-02-22-13-04 14:10
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Temp/pH: 35.0°C 5.88 Specific conductivity: 11

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Wood Shingle

Time gutter removed? 10:02⁰-05 2/22/13

Time arrived at panel 14:20 2/22/13

Volume collected 55 cm 54.6 L

1302024-14
Sample Id* & Time: WOS 02-22-13-01 14:20

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: - _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

4.2 °C
Temp/pH: 5.6 Specific conductivity: 10.8

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Glass - Steep
Time gutter removed? 10:02:05 2/22/13
Time arrived at panel 14:30 2/22/13
Volume collected 49 cm 48.66 L
1302024-15 59 KG
Sample Id* & Time: GST-02-22-13-01 14:30
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + pht_h ☒ PBDE
Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + pht_h ☐ PBDE
Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + pht_h ☐ PBDE
Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + pht_h ☐ PBDE
Temp/pH: 40°C 5.29 Specific conductivity: 6

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Concrete Tile

Time gutter removed? 10:02...05 02/22/13

Time arrived at panel 14:40 02/22/13

Volume collected 53 cm 52.64 L

1302024-16

Sample Id* & Time: CT1-02-22-13-01

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

3.5°C

Temp/pH: 9.08 Specific conductivity: 63

Unusual observations or procedures at station - especially concerning mixing

pH check @ 4.96

Panel Checklist

Panel Name Glass Low

Time gutter removed? 10:02 ... 05 2/22/13

Time arrived at panel 15:00 2/22/13

Volume collected 59 cm 58.60 L

1302024-17
Sample Id* & Time: GL0-02-22-13-01

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: - _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.2°C
5.16 Specific conductivity: 6

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MBUR APP

Time gutter removed? 10:02 ... 05 2/22/13

Time arrived at panel 15:20 2/22/13

Volume collected 59 cm 58.60 L

1302024-18

Sample Id* & Time: BUA 02-22-13-01 15:20

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302024-19

Sample Id* & Time: BUA 02-22-13-02 15:25 ^{dup}

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302024-20

Sample Id* & Time: BUA 02-22-13-03 15:30 ^{MS}

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302024-21

Sample Id* & Time: BUA 02-22-13-04 15:35 ^{MSD}

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

4.30

Temp/pH: 6.69 Specific conductivity: 6

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name

TPO

Time gutter removed?

10:02 - 10:05 2/22/13

Time arrived at panel

15:50 2/22/13

Volume collected

54 cm 53.63 L

1302024-23

Sample Id* & Time:

TPO - 02-22-13-01

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time:

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time:

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time:

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH:

4.7°C 6.10

Specific conductivity:

6

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name BUR

Time gutter removed? 10:02 ... 10:05 2/22/13

Time arrived at panel 16:10 2/22/13

Volume collected 59 cm 58.60 L

1302024-25

Sample Id* & Time: BUR-02-22-13-01 16:10

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.2
6.66 Specific conductivity: 20

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name EPDM

Time gutter removed? 10:02 .. 10:05 2/22/13

Time arrived at panel 16:15 2/22/13

Volume collected 62 cm 61.57 L

1302024-24

Sample Id* & Time: EPD-02-22-13-01 16:15

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.8°C
4.96 Specific conductivity: 13

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MPOR SBS

Time gutter removed? 10:02 ... 10:05 2/22/13

Time arrived at panel 16:20 2/22/13

Volume collected 52 cm 51.64 L

1302024-27
Sample Id* & Time: BUS-02-22-13-01 16:20

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.7°C 7.0 pH Specific conductivity: 4

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name PVC

Time gutter removed? 10:02 AM 2/22/13

Time arrived at panel 11:30 2/22/13

Volume collected 66 cm 65.54 L

1302024-28

Sample Id* & Time: PVC-0222-13-01

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

4.6 °C
Temp/pH: 5.02 Specific conductivity: 13

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Zincalume

Time gutter removed? 10:02 ... 05 2/22/13

Time arrived at panel 16:45 2/22/13

Volume collected 54.5 cm 54.13 L

1302024-29

Sample Id* & Time: ZIN. 02-22-13-01 16:45

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

4.5 °C

Temp/pH: 5.16 Specific conductivity: 4

Unusual observations or procedures at station - especially concerning mixing

pH check 6.88

Panel Checklist

Panel Name Distilled Water

Time gutter removed? _____

Time arrived at panel 15:45

Volume collected NA cm L

1302024-22
Sample Id* & Time: D/W-02-02-13-01 15:45

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: NA Specific conductivity: NA

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Equipment Rinse
Time-gutter removed? Sample date: 12/20/13
Time arrived at panel 13:40 Storm date 12/22/13
Volume collected cm L

1302024-30

Sample Id* & Time: ERW-02-20-13-01

Anal ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time:

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time:

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time:

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: NA Specific conductivity: NA

Unusual observations or procedures at station - especially concerning mixing

ER =

(TPO Pot + Glass low slope Pot) +
(CPR + CTI) Tubing

Event Checklist

Date and time collection pots placed 2/24/13 16:00

Date and time rain initiated N/16:00 2/24/13

Date and time ^{sample legs were moved} rain stopped 9:40 2/25/13

Calculated rain duration 13 hrs 40 min

Rain intensity (in/hr) (downloaded from rain gage):

average 0.00 range: 0.00 - 0.03

Rain depth (in) (downloaded from the rain gage) 0.30

Names of samplers ✓ N Winters & Kyle Graunke + Martin Werner

Weather conditions: rain showers w/ intermittent sun breaks; windy in late afternoon

Unusual observations about the event:

Acid bottles turned rusty brown in sunlight.
When water added returned to transparent.
 $\text{Sun} + \text{HNO}_3 \rightarrow \text{NO}_2$. No pH > 2 @ lab.

pH meter calibrated? yes

Specific conductivity meter calibration:

Pre-read Temp.°C	Pre-read (uS/cm)	Post-read °C	Post-read (uS/cm)	Bat. (%)	CONV	(Beta %)
8.5	1558	8.6	1413	100	0.5	1.9

Time samples moved to courier pick up cooler: 19:00 - 20:30

Panel Checklist

Panel Name Equipment Rinse

Time gutter removed? _____

Time arrived at panel sampled 2/24/13 14:25

Volume collected cm L

Lab Work Order Number 1302061 -29

Sample Id* & Time: _____

Anal ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

used pots: EPDM + BUA

Panel Checklist

Panel Name Asphalt Shingle
Time gutter removed? 9:40 2/25/13
Time arrived at panel 9:50 2/25/13
Volume collected 27 cm 26.8 L

16302061-01

Sample Id* & Time: AS1-02-25-13-01 10:10

Anal ☒ Tot Met ☒ Hs Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Hs Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Hs Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Hs Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.5^{EC}/6.56 Specific conductivity: 11

Unusual observations & procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle 2

Time gutter removed? 9:40 2/25/13

Time arrived at panel 10:20 2/25/13

Volume collected 27 cm 26.8 L

1302061-02 AS2-02-25-13-01 10:20

Sample Id* & Time: AS2-02-25-13-01

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.5, 4.0°C 6.78 Specific conductivity: 16

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle, 3
Time gutter removed? 9:40 2/25/13
Time arrived at panel 10:35 2/25/13
Volume collected 27 cm 26.8 L

1302061-03 10:35
Sample Id* & Time: A53-02.25.13.01
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.3 °C 6.72 Specific conductivity: 17

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Painted Metal

Time gutter removed? 9:40 9/25/13

Time arrived at panel 10:55

Volume collected 26.5 cm 26.32 L

1302061-04
Sample Id* & Time: PAZ-02-025-13-01 11:00

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302061-05
Sample Id* & Time: PAZ-02-025-13-02 11:15

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302061-06
Sample Id* & Time: PAZ-02-025-13-03 11:20

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302061-07
Sample Id* & Time: PAZ-02-025-13-04 11:30

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Temp/pH: 3.10C
6.17 Specific conductivity: 15

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Treated Wood

Time gutter removed? 9:40 2/25/13

Time arrived at panel 11:30 2/25/13

Volume collected 25 cm 24.8 L

Lab Work Order Number 130261-08

Sample Id* & Time: TWO-02-25-13-01 11:40

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.5°C
5.00 Specific conductivity: 24

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle w/o AR

Time gutter removed? 9:40 2/25/13

Time arrived at panel 11:50 2/25/13

Volume collected 27 cm 26.8 L

Lab Work Order Number 1302061-09

Sample Id* & Time: ARR-02-25-13-01 12:00

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

4.2 °C

Temp/pH: 7.71 Specific conductivity: 13

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name

Copper

Time gutter removed?

9:20

2/25/13

Time arrived at panel

2/25/13

13:30

Volume collected

26

cm

25.8

L

Lab Work Order Number

1302061-10

Sample Id* & Time:

CPR-02-25-13-01

13:30

Anal



Tot Met



Diss Met



PAH + phth



PBDE

Sample Id* & Time:

Anal



Tot Met



Diss Met



PAH + phth



PBDE

Sample Id* & Time:

Anal



Tot Met



Diss Met



PAH + phth



PBDE

Sample Id* & Time:

Anal



Tot Met



Diss Met



PAH + phth



PBDE

Temp/pH:

4.7°C
6.37

Specific conductivity:

6

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Distilled Water Blank

Time gutter removed? 2/25/13

Time arrived at panel NA

Volume collected NA cm NA L

Lab Work Order Number 1302061-28

Sample Id* & Time: DW1-02-25-13-01

12:10

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: NA Specific conductivity: NA

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Wood Shingle

Time gutter removed? 9:40

Time arrived at panel _____

Volume collected 26 cm 25.8 L

Lab Work Order Number 1302061-11

Sample Id* & Time: W05-02-25-13-01 14:20

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

4.0 2.7°C
Temp/pH: 3.80

Specific conductivity: 117

Unusual observations or procedures at station - especially concerning mixing

pH check 4.07

Panel Checklist

Panel Name Glass Steep
Time gutter removed? 9:40 2/25/13
Time arrived at panel 2/25/13 14:25
Volume collected 25 cm 24.8 L

Lab Work Order Number 1302061-12...15 14:30

Sample Id* & Time: GST-02.25.13.01

Anal ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: 02 14:40

Anal ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: 14:45

Anal ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: 14:50

Anal ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Temp/pH: 4.4 4.96 Specific conductivity: 10

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Cement Tile
Time gutter removed? 9:40 2/25/13
Time arrived at panel 2:55 2/25/13
Volume collected 24 cm 23.8 L

Lab Work Order Number 1302061-16

Sample Id* & Time: CT1-02-25-13-01 15:00
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.6°
8.10 Specific conductivity: 64

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Wass Low Slope
Time gutter removed? 9:40 2/25/13
Time arrived at panel 15:10 2/25/13
Volume collected 25 cm 24.8 L

Lab Work Order Number 1302061-17

Sample Id* & Time: GL0-02-25-13-01 15:15

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.3 4.64 Specific conductivity: 13

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name TPO

Time gutter removed? 9:40 2/25/13

Time arrived at panel 15:50 2/25/13

Volume collected 24 cm 23.8 L

Lab Work Order Number 1302061-19

Sample Id* & Time: TPO 02.25.13-01 15:55

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 2.8°C 7.02 Specific conductivity: 16

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MBUR w/ APP
Time gutter removed? 9:40 2/25/17
Time arrived at panel 15:30
Volume collected 23 cm 22.8 L

Lab Work Order Number 1302061-16

Sample Id* & Time: BOA-02.25.13-01 1540
Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.9 6.06 Specific conductivity: 11

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name

BUR

Time gutter removed?

9:40

2/25/13

Time arrived at panel

2/25/13

16:15

Volume collected

23

cm

22.8

L

Lab Work Order Number

1302061-20

Sample Id* & Time:

BUR-02-025-13-01

Anal

☒

Tot Met

☒

Diss Met

☒

PAH + phth

☒

PBDE

Sample Id* & Time:

Anal

☐

Tot Met

☐

Diss Met

☐

PAH + phth

☐

PBDE

Sample Id* & Time:

Anal

☐

Tot Met

☐

Diss Met

☐

PAH + phth

☐

PBDE

Sample Id* & Time:

Anal

☐

Tot Met

☐

Diss Met

☐

PAH + phth

☐

PBDE

Temp/pH:

3.7°/6.68

Specific conductivity:

25

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name

EPDM

Time gutter removed?

9:40

2

25

13

Time arrived at panel

4:20

2

25

13

16:20

Volume collected

26

cm

25.8

L

Lab Work Order Number

1302061-21...24

Sample Id* & Time:

EPA-02.25.13-01

Anal ☒

Tot Met

☒

Diss Met

☒

PAH + phth

☒

PBDE

Sample Id* & Time:

02 Dup

Anal ☐

Tot Met

☐

Diss Met

☐

PAH + phth

☐

PBDE

Sample Id* & Time:

03 MS

Anal ☐

Tot Met

☐

Diss Met

☐

PAH + phth

☐

PBDE

Sample Id* & Time:

04 MSD

Anal ☐

Tot Met

☐

Diss Met

☐

PAH + phth

☐

PBDE

Temp/pH:

4.2
4.8.5

Specific conductivity:

10

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MBUR-SBS

Time gutter removed? 9:40 2/25/13

Time arrived at panel 2/25/13 17:00

Volume collected 21 cm 20.9 L

Lab Work Order Number 1302061-25

Sample Id* & Time: BUS-02-22-13.01 17:00

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.1 7.40 Specific conductivity: 9

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name PVC

Time gutter removed? 9:40 2/25/13

Time arrived at panel 19:10 2/25/13

Volume collected 25 cm 24.8 L

Lab Work Order Number 1302061-26

Sample Id* & Time: PVC 102 25 13 01

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.3
5.15 Specific conductivity: 7

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Zincalume

Time gutter removed? 9:40 2/25/13

Time arrived at panel 17:20 2/25/13

Volume collected 25 cm 24.8 L

Lab Work Order Number 1302061-27 17:20

Sample Id* & Time: ZIN-02-25-13-01

Anal ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 27 5.06 Specific conductivity: 15

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name HDPE Leachate

Time gutter removed? NA

Time arrived at panel 16:20 0/25/13

Volume collected _____ cm _____ L See note

Lab Work Order Number 1302061-30

Sample Id* & Time: ERW-02-25-13-02

Anal ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE
only

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

Base 4 squares of HDPE in 1.7L

Event Checklist

Date and time collection pots placed 2/27/13 17:50

Date and time rain initiated 2/27/13 17:50

Date and time rain stopped 2/28/13 9:33-9:35

Calculated rain duration 15 hrs 40 min

Rain intensity (in/hr) (downloaded from rain gage):

average 0.008"/hr range: 0.00 - 0.02"/15 min

Rain depth (in) (downloaded from the rain gage) 0.12

Names of samplers ✓ N Winters & Kyle Graunke + Lisa Rozmyn

Weather conditions: rainy ~48-50°F

Unusual observations about the event:

pH meter calibrated? Yes

Specific conductivity meter calibration:

Pre-read Temp. °C	Pre-read (uS/cm)	Post-read °C	Post-read (uS/cm)	Bat. (%)	CONV	(Beta %)
<u>14.4</u>	<u>695</u>	<u>14.8</u>	<u>1382</u>	<u>100</u>	<u>0.5</u>	<u>1.9</u>

94

Time samples moved to courier pick up cooler: 19:00-20:00

Panel Checklist

2/27/13

Panel Name Equipment Rinse

Time gutter removed? _____

Time arrived at panel Sampled 2/27/13 14:40

Volume collected _____ cm _____ L

Lab Work Order Number 1302062-22

Sample Id* & Time: ERW-02-28-13-01

Anal ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Anal ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

Equip SS Containers: AAR + GST

Panel Checklist

Panel Name Asphalt Shingle 1 1 2/28/13
Time gutter removed? 9:33 - 9:35
Date/Time arrived at panel 940
Volume collected 40 cm 39.7 L

Lab Work Order Number 1802062 - 01

Sample Id* & Time: A51-02 28.113.01 9:40

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.0°C 6.75 Specific conductivity: 3

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle
Time gutter removed? 9:33-9:35 2/28/13
Date/ Time arrived at panel 10:00 2/28/13
Volume collected 40 cm 39.7 L

Lab Work Order Number 1302062-02

Sample Id* & Time: A52-02-28.13.01

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.7°C 6.78 Specific conductivity: 3

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name A53 2/28/13
Time gutter removed? 9:35-9:35 2/27/13
Date/ Time arrived at panel 10:20 2/28/13
Volume collected 40 cm 39.7 L

Lab Work Order Number 1302062-03 10:20

Sample Id* & Time: A53-02, 28, 13, 01
Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

4.20C
Temp/pH: 6.84 Specific conductivity: 7

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Painted Metal
Time gutter removed? 9:33 - 9:35 2/28/13
Date/Time arrived at panel 10:35 2/28/13
Volume collected 39 cm 39.7 L

Lab Work Order Number 1302062-04

Sample Id* & Time: PAZ-02-28-13.01
Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.800 4.76 Specific conductivity: 3

Unusual observations or procedure at station - especially concerning mixing

Panel Checklist

Panel Name Treated Wood
Time gutter removed? 9:33-9:35 2/28/13
Date/Time arrived at panel 10:50 2/28/13
Volume collected 41 cm 40.7 L

Lab Work Order Number 1302062-05 + 19 1055
1302062-05

Sample Id* & Time: TWO-02-28.13-01 -01

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE
1302062-19 11:00

Sample Id* & Time: TWO-02-28.13-02 -02

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE
1302062-05 MS 11:10

Sample Id* & Time: TWO-02-28.13-03 -03

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE
1302062-05 MSD 11:20

Sample Id* & Time: TWO-02-28.13-04 -04

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE
4.80C

Temp/pH: 4.38 Specific conductivity: 7

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Shingle w/ AR
Time gutter removed? 9:33-9:35
Date/ Time arrived at panel 11:30 2/28/13
Volume collected 40 cm 39.7 L

Lab Work Order Number 1302062-06 + 20

130206206 11:30
Sample Id* & Time: AAR-02-28-13-01

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302062-20 FD 11:40
Sample Id* & Time: AAR-02-28-13-02

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302062-06 MS 11:50
Sample Id* & Time: AAR-02-28-13-03

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302062-06 MSD 12:00
Sample Id* & Time: AAR-02-28-13-04

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

5:4
Temp/pH: 6.97 Specific conductivity: 3

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Copper
Time gutter removed? 9:33-9:35
Date/ Time arrived at panel 1.04 - 1.15
Volume collected 39 cm 38.7 L

Lab Work Order Number 1302062-07 1310

Sample Id* & Time: CPR CPR-02 24-13-01
Ana ☒ Tot Met ☒ Dis Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.9
6.58 Specific conductivity: 2

Unusual observations or procedures at station - especially concerning mixing

PH check @ 4.10 true reading 4.29

Panel Checklist

Panel Name Wood Shingle
Time gutter removed? 9:33-9:35
Date/Time arrived at panel 13/15 2/28/13
Volume collected 40 cm 39.7 L

Lab Work Order Number 1302062-08

Sample Id* & Time: WDS-02-28-13-01 13:15

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.00C
3.73 Specific conductivity: 38

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Glass Steep

Time gutter removed? 9:33-9:35

Date/Time arrived at panel 13:25 2/28/13

Volume collected 39 cm 38.7 L

Lab Work Order Number 1302062-09

Sample Id* & Time: GST-02-28-13-01 13:30

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.5°C 4.65 Specific conductivity: 4

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

2.28.13
Panel Name Concrete Tile

Time gutter removed? 9:33-9:35

Date/ Time arrived at panel 13:40 2/28/13

Volume collected 38 cm 37.7 L

Lab Work Order Number 1302062-10

Sample Id* & Time: CT10228.13.10/13:45

Ana ☒ Tot Met ☒ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.1°C
8.14 Specific conductivity: 28

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Glass Low Slope

Time gutter removed? 9:33-9:35

Date/ Time arrived at panel 13:55 2/28/13

Volume collected 43 cm 42.7 L

Lab Work Order Number 13062-11 14:00

Sample Id* & Time: GLO-02-28-13.0

Ana ☒ Tot Met ☒ Ess Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

5.0 °C

Temp/pH: 5.24 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MBUR w/ APP

Time gutter removed? 9:33-9:35

Date/Time arrived at panel 14:10 . 2/28/13

Volume collected 39 cm 38.7 L

Lab Work Order Number 1302062-12

Sample Id* & Time: BUA-02-28-13-01 14:15

Ana ☒ Tot Met . ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.2°C 6.47 Specific conductivity: 30

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name TPO
Time gutter removed? 9:33-9:35
Date/Time arrived at panel 1420 2/28/13
Volume collected 41.5 cm 41.2 L

Lab Work Order Number 1302062-13 + 22

1302062-13
Sample Id* & Time: TPO-02-28-13-01 14:20
Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302062-22
Sample Id* & Time: TPO-02-28-13-02 14:30
Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302062-13
Sample Id* & Time: TPO-02-28-13-03 14:40
Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

1302062-13
Sample Id* & Time: TPO-02-28-13-04 14:50
Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Temp/pH: 5.9 8.27 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name BUR

Time gutter removed? 9:33 - 9:35

Date/ Time arrived at panel 14:47 2/28/13

Volume collected 38 cm 37.7 L

Lab Work Order Number 1302062 -14

Sample Id* & Time: BUR 02.28.13.01/14:50

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.602 7.20 Specific conductivity: 2

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name EPDM

Time gutter removed? 9:33 - 9:35

Date/ Time arrived at panel 15:07 2/28/13

Volume collected 42 cm 41.7 L

Lab Work Order Number 1302062-15 15:15

Sample Id* & Time: EPD-02, 28, 13, 01

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.80°C 5.06 Specific conductivity: 1

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MBUR w/ SBS
Time gutter removed? 9:33-9:35
Date/Time arrived at panel 15:20 2/28/13
Volume collected 33.5 cm 33.3 L

Lab Work Order Number 1302062-16 15:25

Sample Id* & Time: BUS-02-28-13-01
Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.2°C 7.28 Specific conductivity: 11

Unusual observations or procedural station - especially concerning mixing

Panel Checklist

Panel Name PVC

Time gutter removed? 9:33-9:35

Date/ Time arrived at panel 15:30 2/28/13

Volume collected 43 cm 42.7 L

Lab Work Order Number 1302062-17 15:35

Sample Id* & Time: PVC-02.28.13.01

Ana ☒ Tot Met ☒ Iss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Iss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Iss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Iss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.40C 5.20 Specific conductivity: 1

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Zincalume

Time gutter removed? 9:33-9:35

Date/Time arrived at panel 15:40 2/28/13

Volume collected 39 cm 38.7 L

Lab Work Order Number 1302062-18 15:40

Sample Id* & Time: ZN 02-28-13-01

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 7.40C 5.90 Specific conductivity: 2

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Distilled Water

Time gutter removed? NA

Date/Time arrived at panel NA 2/28/13

Volume collected NA cm NA L

12:10

Lab Work Order Number 1302062-23

Sample Id* & Time: DIW-02-28-13-01

Ana ☒ Tot Met ☒ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name _____

Time gutter removed? _____

Date/ Time arrived at panel _____

Volume collected _____ cm _____ L

Lab Work Order Number _____

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.7 7.14 Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

Event Checklist

Date and time collection pots placed 3/5/13 3:45am

Date and time rain initiated 3/5/13 4:30 pm

Date and time rain stopped 3/6/13 9:15

Calculated rain duration 15.75 hrs

Rain intensity (in/hr) (downloaded from rain gage):

average 0.0102 in/hr range: 0.00 - 0.02 in/15 min

Rain depth (in) (downloaded from the rain gage) 0.16

Names of samplers N Winters & Kyle Graunke

Weather conditions: rainy/misty

Unusual observations about the event:

predicted rain late by 13 hrs
frost on zincalume @ 3:45am
Still raining when pulled gutters
 pH meter calibrated? Y + water still on roofs

Specific conductivity meter calibration:

Pre-read Temp.°C	Pre-read (uS/cm)	Post-read °C	Post-read (uS/cm)	Bat. (%)	CONV	(Beta %)
13.8	686	14.1	1382	100	0.5	1.9

Time samples moved to courier pick up cooler: _____

Equipment Rinse 3/4/13
15:50

SS: Cont. = Concrete Tile +
Zincalume

Tubing: Zincalume + PVC

Panel Checklist

Panel Name Asphalt Shingle 1

Time gutter removed? 3/6/13 8:15

Date/ Time arrived at panel 3/6/13 12:46

Volume collected 13 cm 12.9 L

Lab Work Order Number 1303026-01

Sample Id* & Time: AS1-03-06-13-01 12:46

Ana ☒ Tot Met ☐ Di Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.0 °C 7.40 Specific conductivity: 8

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle
Time gutter removed? 3/6/13 8:15
Date/Time arrived at panel 3/6/13 12:56
Volume collected 13 cm 12.9 L

Lab Work Order Number 1303026-02 1256

Sample Id* & Time: AS2-03-06-13-01

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.1°C 7.30 Specific conductivity: 8

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle 3

Time gutter removed? 3/6/13 8:15

Date/ Time arrived at panel 3/6/13 13:05

Volume collected 13 cm 129 L

Lab Work Order Number 1303026-03

13:05

Sample Id* & Time: 153-03-06-13-01

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

3, 300

Temp/pH: 17.05 Specific conductivity: 10

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Painted Galv. Metal
Time gutter removed? 3/6/13 8:15
Date/Time arrived at panel 3/6/13 10:50
Volume collected 13 cm 12.91 L 10:50

Lab Work Order Number 1303026-04

Sample Id* & Time: PAZ-03-06-13-01 10:50

Ana ☒ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 2.9
5.28 Specific conductivity: 2

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Treated Wood
Time gutter removed? 3/6/13 8:15
Date/Time arrived at panel 3/6/13 11:00
Volume collected 11 cm 10.9 L

Lab Work Order Number 1303026-05

Sample Id* & Time: TWO-03-06-13-01 11:00

Ana ☒ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.20C 4.76 Specific conductivity: 18

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingles w/ AR
Time gutter removed? 3/6/13 8:15
Date/Time arrived at panel 3/6/13 11:05
Volume collected 12 cm 11.9 L 11:05

03

Lab Work Order Number 1302606.

Sample Id* & Time: AAR-03-06-13-01 11:05

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.2 6.23 Specific conductivity: 9

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Copper
Time gutter removed? 3/6/13 8:15
Date/ Time arrived at panel 3/6/13 11:10
Volume collected 13.5 cm 13.4 L

Lab Work Order Number 1303026-07 11:10

Sample Id* & Time: CPR-03-06-13-01
Ana ☒ Tot Met ☐ Is Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Is Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Is Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Is Met ☐ PAH + phth ☐ PBDE

Temp/pH: 2.5°C 6.17 Specific conductivity: 8

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Wood Shingle

Time gutter removed? 3/6/13 8:15

Date/ Time arrived at panel 3/6/13 11:20

Volume collected 11 cm 10.9 L

Lab Work Order Number 1303026-08

Sample Id* & Time: WDS-03-06-13-01 11:20

Ana ☒ Tot Met ☐ Hs Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Hs Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Hs Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Hs Met ☐ PAH + phth ☐ PBDE

3.5°C
Temp/pH: 4.34 Specific conductivity: 84

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Glass Step Slope
Time gutter removed? 8:15 7/6/13
Date/Time arrived at panel 3/6/13 8:30
Volume collected 13.5 cm 13.4 L

Lab Work Order Number 1303026-09 + 19

Sample Id* & Time: GST-03-06-13-01 8:30

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

1303026-19
Sample Id* & Time: GST-03-06-13-02 8:35
FD

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

1303026-09
Sample Id* & Time: GST-03-06-13-03 8:40
MS

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

1303026-09
Sample Id* & Time: GST-03-06-13-04 8:45
MSD

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

2.8 1.8
Temp/pH: 7.12 Specific conductivity: 40
5.484

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name

Concrete Tile

Time gutter removed?

8:15

3/6/13

Date/ Time arrived at panel

8:50

3/6/13

Volume collected

7

cm

6.9

L

Lab Work Order Number

1303026-10

Sample Id* & Time:

CT1-03-06-13-01

8:50

Ana



Tot Met



Is Met



PAH + phth



PBDE

Sample Id* & Time:

Ana



Tot Met



Is Met



PAH + phth



PBDE

Sample Id* & Time:

Ana



Tot Met



Is Met



PAH + phth



PBDE

Sample Id* & Time:

Ana



Tot Met



Is Met



PAH + phth



PBDE

Temp/pH:

7.22

Specific conductivity:

82

Unusual observations or procedures at station - especially concerning mixing

(0.16")

Note: low volume of rain →
porosity of concrete absorbing

Panel Checklist

Panel Name Glass Low Slope

Time gutter removed? 3/6/13 8:15

Date/ Time arrived at panel 3/6/13 9:00

Volume collected 13.5 cm 13.4 L

Lab Work Order Number 1303026-11 + 20

1303026-11

Sample Id* & Time: GL0-03-06-13-01

9:00

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☒ PBDE

1303026-20

Sample Id* & Time: GL0-03-06-13-02

9:05

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☒ PBDE

1303026-11

Sample Id* & Time: GL0-03-06-13-03

9:10

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☒ PBDE

1303026-11

Sample Id* & Time: GL0-03-06-13-03

9:15

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☒ PBDE

3.1061.7

Temp/pH: 7.09 Specific conductivity: 3

5.04

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MBUR w/ APP
Time gutter removed? 3/6/13 8:15
Date/Time arrived at panel 3/6/13 9:20
Volume collected 13 cm 12.9 L

Lab Work Order Number 1303026-12

Sample Id* & Time: BUA-03.06.13.01 9:20

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 2.2°C / 7.1 Specific conductivity: 5

110°C 5.46
Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name TPO

Time gutter removed? 3/6/13 8:15

Date/ Time arrived at panel 3/6/13 9:30

Volume collected 13 cm 12.9 L

Lab Work Order Number 1303026-13

Sample Id* & Time: TPO-03-06-13.01 9:30

Ana ☒ Tot Met ☐ Ess Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

Temp/pH: 1.40e
7.64 Specific conductivity: 64
5.58

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name BUR

Time gutter removed? 3/6/13 8:15

Date/Time arrived at panel 9:45 3/6/13

Volume collected 13 cm 12.9 L

Lab Work Order Number 1303026-14

Sample Id* & Time: BUR-03.06.13.01 9:45

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Temp/pH: 2.4°C 6.10 Specific conductivity: 5

Unusual observations or procedure at station - especially concerning mixing

Panel Checklist

Panel Name EPDM

Time gutter removed? 3/6/13 8:15

Date/Time arrived at panel 3/6/13 10:00

Volume collected 14 cm 13.9 L

Lab Work Order Number 1303026-15 + -21

1303026-15
Sample Id* & Time: EPD-03-06-13-01 10:00

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

1303026-21
Sample Id* & Time: EPD-03-06-13-02 10:05

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

1303026-15
Sample Id* & Time: EPD-03-06-13-03 10:10

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

1303026-15
Sample Id* & Time: EPD-03-06-13-04 10:15

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Temp/pH: 1.90C 4.50 Specific conductivity: 7

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name WBTUR w/ SBS
Time gutter removed? 3/6/13 8:15
Date/ Time arrived at panel 3/6/13 10:25
Volume collected 10 cm 9.93 L

Lab Work Order Number 1303026 - 16

Sample Id* & Time: BUS 03.06.13.01 10:25

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 2.8 7.26 Specific conductivity: 6

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name PVC

Time gutter removed? 3/6/13 8:15

Date/Time arrived at panel 3/6/13 10:30

Volume collected 13 cm 12.9 L

Lab Work Order Number 1303026-17

Sample Id* & Time: PVC-03.06.13.01 10:30

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 21.00 5.00 Specific conductivity: 4

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Zincalume

Time gutter removed? 3/6/13 8:15

Date/ Time arrived at panel 3/6/13 10:40

Volume collected 14 cm 13.9 L

Lab Work Order Number 1303026-18 10:40

Sample Id* & Time: 2/A-03 06/13/01

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 2.6°C 5.09 Specific conductivity: 41

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Distilled Water Blank
Time gutter removed? 3/6/13
Date/ Time arrived at panel 3/6/13 10:00
Volume collected _____ cm _____ L

Lab Work Order Number 1303026-22

Sample Id* & Time: DLW-03-06-13-01 10:00

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

Event Checklist

Date and time collection ~~pts~~ placed 3/10/13 12:19-12:24

Date and time ~~rain~~ initial 3/11/13 15:45

Date and time ^{event} rain stopp 3/12/13 9:15

Calculated rain duration 21.5 hrs

Rain intensity (in/hr) (downloaded from rain gage):

average 0.007/hr rap: 0.00 - 0.02/15 min

Rain depth (in) (downloaded from the rain gage) 0.16

Names of samplers / Winters & Kyle Graunke Alli King Fisher

Weather conditions: spit rain off/on

Unusual observations abt the event:

not raining when placed pots

rained 0.01 between 20:00 + 20:15 3/10/13

*pollen in several gutters removed @
decon (after storm)*

pH meter calibrated? YES

Specific conductivity m~~a~~ calibration: YES

Pre-read Temp. °C	Pre-read (uS/cm)	Post-read °C	Post-read (uS/cm)	Bat. (%)	CONV	(Beta %)
15.5	1372	15.5	1413	100	0.5 ✓	1.9 ✓

93

Time samples moved to urrier pick up cooler: 15:00-16:30

Panel Checklist

Panel Name equipment rinse

Time gutter removed? _____

Date/Time arrived at panel 11:03 3/10/13

Volume collected _____ cm _____ L

Lab Work Order Number 1303027-23

Sample Id* & Time: ERW-03-11 -13-01

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Temp/pH: _____ Spec~~i~~ conductivity: _____

Unusual observations or procedure at station - especially concerning mixing

pots = EPDM, ~~TPO~~, PVC

tubes = GSI, TPO

Volume of DI water for gutter rinse _____

*S= Sample; FS =Field split; FR= Field replicate; ER= Equipment Rinse; DW= Distilled water blank; MS=Matrix Spike; MSD= Matrix

hnel Checklist

Panel Name Asphalt Shingle 1
Time gutter removed? 3/13/13 9:16-9:18
Date/ Time arrived at panel 3/12/13 14:05
Volume collected 18 cm 17.9 L

Lab Work Order Number 1303027-01

Sample Id* & Time: AS1-03-12-13-01 14:05
Ana ☒ Tot Met ☐ Di Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.6°C
5.95 Specific conductivity: 21

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle 2
Time gutter removed? 3/12/13 9:16-9:18
Date/Time arrived at panel 3/12/13 14:10
Volume collected 16.5 cm 16.4 L

Lab Work Order Number 1303027-02

Sample Id* & Time: A52-03-12-13-01 14:10
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: ^{7.2°C}6.71 Specific conductivity: 23

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle 3

Time gutter removed? 3/12/13 9:16 - 9:18

Date/ Time arrived at panel 3/12/13 14:20

Volume collected 16 cm 15.9 L

Lab Work Order Number 1303027-03

Sample Id* & Time: AS3-03-12-13-01

Ana ☒ Tot Met ☐ Di Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 7.2 °C
6.76 Specific conductivity: 26

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Painted Metal

Time gutter removed? 3/12/13 9:16-9:18

Date/Time arrived at panel 3/12/13 13:55

Volume collected 16 cm 15.9 L

Lab Work Order Number 1303027-04

Sample Id* & Time: PAZ-03-12-13-01 13:55

Ana ☒ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 9/16°C 4.34 Specific conductivity: 276

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Treated Wood Shake
Time gutter removed? 3/12/13 9:16-9:18
Date/Time arrived at panel 3/12/13 13:50
Volume collected 15 cm 14.9 L

Lab Work Order Number 1303027-05

Sample Id* & Time: TWO. 03.12.13.01 13:50
Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.4°C
4.61 Specific conductivity: 21

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle w/ AR
Time gutter removed? 3/12/13
Date/ Time arrived at panel 3/12/13
Volume collected 15.5 cm 15.5 L

Lab Work Order Number 1303027-06

Sample Id* & Time: AAR-03-12-13-01

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.1°C 6.46 Specific conductivity: 21

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Copper

Time gutter removed? 3/12/13 9:16-9:18

Date/ Time arrived at panel 3/12/13 13:25

Volume collected 16.5 cm 16.4 L

Lab Work Order Number 1303027-07

Sample Id* & Time: CPR-03-12-13-01 13:25

Ana ☒ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

7.3 °C

Temp/pH: 5.00 Specific conductivity: 4

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Wood Shingle
Time gutter removed? 3/12/13 9:16-9:18
Date/Time arrived at panel 3/12/13 13:20
Volume collected 15 cm 14.9 L

Lab Work Order Number 1303027-08

Sample Id* & Time: WDS-03-12-13-01 13:20

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.1°C
3.55 Specific conductivity: 175

Unusual observations or procedures at station - especially concerning mixing

pH check + recal

Panel Checklist

Panel Name Glass Steep Slope
Time gutter removed? 3/12/13 9:16-9:18
Date/ Time arrived at prel 11:40 3/12/13
Volume collected 17 cm 16.9 L

Lab Work Order Number 1303027-09 + 19

1303027-09
Sample Id* & Time: GST-03.12.13.01 11:45

Ana ☐ Tot Met ☐ lbs Met ☐ PAH + phth ☐ PBDE

1303027-19
FD Sample Id* & Time: GST-03.12.13.02 11:50

Ana ☐ Tot Met ☐ lbs Met ☐ PAH + phth ☐ PBDE

1303027-09
MS Sample Id* & Time: GST-03.12.13.03 11:55

Ana ☒ Tot Met ☐ lbs Met ☒ PAH + phth ☒ PBDE

1303027-09
MSD Sample Id* & Time: GST-03.12.13.04 12:00

Ana ☒ Tot Met ☐ lbs Met ☒ PAH + phth ☒ PBDE

6.00C
Temp/pH: 4.71 Specific conductivity: 5

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Concrete Tile
Time gutter removed? 3/12/13 9:16-9:18
Date/Time arrived at panel 11:30
Volume collected 16 cm 15.9 L

Lab Work Order Number 1303027-10

Sample Id* & Time: CT1-03121301 11:30

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.6°C 8.08 Specific conductivity: 116

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Glass Low, Slope

Time gutter removed? 3/12/13 9:16-9:18

Date/ Time arrived at panel 3/12/13 11:20

Volume collected 19 cm 18.9 L

Lab Work Order Number 1303027-11

Sample Id* & Time: GLO-03-12-13-01 11:20

Ana ☒ Tot Met ☐ Dis Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.6°C
5.58

Specific conductivity: 2

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MBUR w/ APP
Time gutter removed? 3/12/13 9:16-9:18
Date/Time arrived at panel 3/12/13 11:05
Volume collected 17.5 cm 17.4 L

Lab Work Order Number 1303027-12

Sample Id* & Time: BUA-03.12.13.01 11:10

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 3.7°C
6.17 Specific conductivity: 9

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name TPO

Time gutter removed? 3/12/13 9:16-9:18

Date/ Time arrived at panel 10:50 3/12/13

Volume collected 18 cm 17.9 L

Lab Work Order Number 1303027-13 + 20

1303027-13
Sample Id* & Time: TPO-03-12-13-01 10:50

Ana ☒ Tot Met ☐ Bs Met ☒ PAH + phth ☒ PBDE

1303027-20
FDSample Id* & Time: TPO-03-12-13-02 10:55

Ana ☒ Tot Met ☐ Bs Met ☒ PAH + phth ☒ PBDE

1303027-13
MS Sample Id* & Time: TPO-03-12-13-03 11:00

Ana ☒ Tot Met ☐ Bs Met ☒ PAH + phth ☒ PBDE

1303027-13
MSD Sample Id* & Time: TPO-03-12-13-04 11:05

Ana ☒ Tot Met ☐ Bs Met ☒ PAH + phth ☒ PBDE

5.1
Temp/pH: 6.67 Specific conductivity: 9

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name BUR
Time gutter removed? 3/12/13 9:16 - 9:18
Date/Time arrived at panel 3/12/13 10:40
Volume collected 16 cm 15.9 L

Lab Work Order Number 1303027-14

Sample Id* & Time: BUR.03.12.13-01 10:40

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.1°C 6.64 Specific conductivity: 17.14

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name EPDM

Time gutter removed? 3/12/13 9:16-9:18

Date/ Time arrived at panel 3/12/13 10:29

Volume collected 17.5 cm 17.4 L

Lab Work Order Number 1303027-15

Sample Id* & Time: EPD-03-12-13-01 10:25

Ana ☒ Tot Met ☐ Ess Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Ess Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.5°C
4.44 Specific conductivity: 75

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MBUR w/ SBS
Time gutter removed? 3/12/13 9:16 - 9:18
Date/Time arrived at panel 10:05 3/12/13
Volume collected 13.5 cm 11.9 L

Lab Work Order Number 1303027-16

Sample Id* & Time: BUS-03-12-13-01 10:10

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 4.2 6.15 Specific conductivity: 16

Unusual observations or procedures at station - especially concerning mixing

gutter position problem?

Panel Checklist

Panel Name PVC

Time gutter removed? 3/12/13 9:16-9:18

Date/ Time arrived at panel 9:35 3/12/13

Volume collected 18.5 cm 18.4 L

Lab Work Order Number 1303027-17 + 21

1303027-17

Sample Id* & Time: PVC 03.12.13.01 9:40

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☒ PBDE

1303027-21

Sample Id* & Time: PVC 03.12.13.02 9:50

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☒ PBDE

1303027-17

MS Sample Id* & Time: PVC 03.12.13.03 9:45

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☒ PBDE

1303027-17

MSD Sample Id* & Time: PVC 03.12.13.04 9:55

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☒ PBDE

7.2°C

Temp/pH: 4.73 Specific conductivity: 8

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Zincalume
Time gutter removed? 3/12/13 9:16-9:18
Date/Time arrived at panel 3/12/13 9:30
Volume collected 18 cm 18.9 L

Lab Work Order Number 1303027-18

Sample Id* & Time: ZIN.03.12.13.01 9:30

Ana ☒ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 65°C Specific conductivity: 817
5.20

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Distilled Water

Time gutter removed? NA

Date/ Time arrived at mel 3/12/13 10:20

Volume collected NA cm L

Lab Work Order Number 1303027-22

Sample Id* & Time: DIW-03.12.13.01 10:20

Ana ☒ Tot Met . ☐ Is Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time:

Ana ☐ Tot Met . ☐ Is Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time:

Ana ☐ Tot Met . ☐ Is Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time:

Ana ☐ Tot Met . ☐ Is Met ☐ PAH + phth ☐ PBDE

Temp/pH: Specific conductivity:

Unusual observations or procedures at station - especially concerning mixing

Event Checklist

Date and time collection pots placed 3/19/13 10:30

Date and time rain initial 3/19/13 15:00

Date and time rain stop 3/20/13 4:15

Calculated rain duration _____

Rain intensity (in/hr) (downloaded from rain gage):

average _____ rap: _____

Rain depth (in) (downloaded from the rain gage) 0.71 ¹/₀

Names of samplers Winters & Kyle Graunke

Weather conditions: was very windy over night

Unusual observations at the event:

Strong smell of asphalt as set out pots ~ 9:30

Pollen collected on some ice pots in low slope + some (lesser extent)

pH meter calibrated? steep slope lines

Specific conductivity meter calibration:

Pre-read Temp. °C	Pre-read (uS/cm)	Post-read °C	Post-read (uS/cm)	Bat. (%)	✓ CONV	(Beta %) ✓
<u>16.4</u>	<u>1386</u>	<u>15.4</u>	<u>1413</u>	<u>100</u>	<u>0.5</u>	<u>1.9</u>

92

Time samples moved to courier pick up cooler:

Panel Checklist

Panel Name Asphalt Shingle 1
Time gutter removed? 3/20/13 4:15
Date/Time arrived at panel 3/20/13 6:50
Volume collected 46 cm 45.7 L

Lab Work Order Number 1303047-01

Sample Id* & Time: AS1-03-20-13-01 8:50
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

7.9°C
Temp/pH: 6.56 Specific conductivity: 20

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle 2
Time gutter removed? 3/20/13 4:15
Date/ Time arrived at panel 3/20/13 900
Volume collected 455 cm 46.1 L

Lab Work Order Number 1303047-02A A

1303047-02
Sample Id* & Time: AS2-03-20-13-01 9:00
Ana ☒ Tot Met . ☐ Di Met ☒ PAH + phth ☐ PBDE

1303047-19
Sample Id* & Time: AS2-03-20-13-02 FD
Ana ☒ Tot Met . ☐ Di Met ☒ PAH + phth ☐ PBDE

1303047-02
Sample Id* & Time: AS2-03-20-13-03 MC
Ana ☒ Tot Met . ☐ Di Met ☒ PAH + phth ☐ PBDE

1303047-02
Sample Id* & Time: AS2-03-20-13-04 MSD
Ana ☒ Tot Met . ☐ Di Met ☒ PAH + phth ☐ PBDE

Temp/pH: 6.41° 6.26 Specific conductivity: 12

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle 3
Time gutter removed? 8/20/13 4:15
Date/Time arrived at panel 3/20/13 9:20
Volume collected 46 cm 45.7 L

Lab Work Order Number 1303047-03

Sample Id* Time: AS3-03-20-13-03 9:20
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.7°C 6.72 Specific conductivity: 18

Unusual observations or procedures at station - especially concerning fixing

Panel Checklist

Panel Name Painted Metal

Time gutter removed? 3/12/13 4:15

Date/Time arrived at panel 3/12/13 9:35

Volume collected 46 cm 45.7 L

Lab Work Order Number 1303047-04 9:35

Sample Id* & Time: PAZ-03-20-13-01

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

7.8 °C
Temp/pH: 5.12 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Treated Wood

Time gutter removed? 3/20/13 4:15

Date/ Time arrived at panel 3/20/13 9:45

Volume collected 48 cm 44.7 L

Lab Work Order Number 1303047-05

Sample Id* & Time: TWO-03-20-13-01 9:45

Ana ☒ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 7, 40C
4.31 Specific conductivity: 3

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle w/ AR
Time gutter removed? 3/20/13 4:15
Date/ Time arrived at panel 3/20/13 9:55
Volume collected 45 cm 44.7 L

Lab Work Order Number 1303047-06

Sample Id* & Time AAR-03-20-13-01 9:55
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.9°C 5.93 Specific conductivity: 6

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Copper
Time gutter removed? 3/20/13 4:15
Date/Time arrived at panel 3/20/13 10:05
Volume collected 43 cm 42.7 L

Lab Work Order Number 1303047-07

Sample Id* & Time: CPR-03-20-13-01 10:05

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 7.2 5.77 Specific conductivity: 8

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Wood Shingle
Time gutter removed? 3/20/13 4:15
Date/Time arrived at panel 3/20/13 10:10
Volume collected 42 cm 41.7 L

Lab Work Order Number 1303047-08 +20

1303047-08
Sample Id* & Time: WOS-03-20-13-01 10:10

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

1303047-20 10:15
Sample Id* & Time: WOS-03-20-13-02 FD

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

1303047-08 10:20
Sample Id* & Time: WOS-03-20-13-03 MS

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

1303047-08 10:45
Sample Id* & Time: WOS-03-20-13-04 MSD

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 7.00
3.72 Specific conductivity: 76

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Glass Steep Slope
Time gutter removed? 3/20/13 4:15
Date/ Time arrived at panel 3/20/13 10:30
Volume collected 42.5 cm 42.2 L

Lab Work Order Number 1303047-09

Sample Id* & Time: GST-03-20-13-01 10:30

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.4 4.66 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Concrete Tile
Time gutter removed? 3/20/13 4:15
Date/ Time arrived at panel 3/20/13 10:40
Volume collected 43 cm 42.7 L

Lab Work Order Number 1303047-10

Sample Id* & Time: CT1-03-20-13-01 10:40

Ana ☒ Tot Met . ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Ess Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Ess Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.6°C
6.69
7.18 Specific conductivity: 144

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Glass Low Slope
Time gutter removed? 3/20/13 4:15
Date/Time arrived at panel 3/20/13 10:55
Volume collected 48 cm 47.7 L

Lab Work Order Number 1303047-11

Sample Id* & Time: GLO-D3-20-13-01 10:55
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.7 5.03 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

pH check 6.94 on 6.98
@ 11.5

Panel Checklist

Panel Name MBUR w/ APP

Time gutter removed? 3/20/13 4:15

Date/ Time arrived at panel 3/20/13 11:05

Volume collected 42.5 cm 41.7 L

Lab Work Order Number 1303047-12

11:05

Sample Id* & Time: BUA-03-20-13-01

Ana ☒ Tot Met . ☐ Dis Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.30°C
5.37 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name TPO
Time gutter removed? 3/20/13 4:15
Date/Time arrived at panel 3/20/13 11:15
Volume collected 45.5 cm 45.2 L

Lab Work Order Number 1303047-13 10

Sample Id* & Time: TPO-03-20-13-01 11:15

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.9/5.84 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name BUR

Time gutter removed? 3/20/13 4:15

Date/ Time arrived at pel 3/20/13 11:30

Volume collected 40 cm 39.7 L

Lab Work Order Number 1303047-14 721

Sample Id* & Time: BUR-03-20-13-01 11:30

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☐ PBDE

1303047-21
Sample Id* & Time: BUR-03-20-13-02 11:33

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: BUR-03-20-13-03 11:40

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: BUR-03-20-13-04 11:45

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☐ PBDE

8.1°C

Temp/pH: 6.37

Specific conductivity: 21

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name EPDM

Time gutter removed? 3/12/13 4:15

Date/Time arrived at panel 3/12/13 11:45

Volume collected 46 cm 45.7 L

Lab Work Order Number 1303047-15 11:45

Sample Id* & Time: EPD-03-20-13-01

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 74.56
6.6°C Specific conductivity: 4

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MBUR w/ SPS

Time gutter removed? 3/20/13 4:15

Date/ Time arrived at panel 3/20/13 12:00

Volume collected 34 cm 338 L

12:00

Lab Work Order Number 1303047-16

Sample Id* & Time: BUS-03-20-13-01

Ana ☒ Tot Met ☐ Dis Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.5°C 5.7 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name PVC

Time gutter removed? 3/12/13 4:15

Date/ Time arrived at panel 3/12/13 12:04

Volume collected 49 cm 48.7 L

Lab Work Order Number 1303047-17+24

1303047-17
Sample Id* & Time: PVC-03-20-13-01 12:04

Ana ☒ Tot Met ☐ Is Met ☒ PAH + phth ☒ PBDE

1303047-24
Sample Id* & Time: PVC-03-20-13-02 12:07

Ana ☐ Tot Met ☐ Is Met ☐ PAH + phth ☒ PBDE

1303047-17
Sample Id* & Time: PVC-03-20-13-03 12:10

Ana ☐ Tot Met ☐ Is Met ☐ PAH + phth ☒ PBDE

1303047-17
Sample Id* & Time: PVC-03-20-13-04 12:15

Ana ☐ Tot Met ☐ Is Met ☐ PAH + phth ☒ PBDE

Temp/pH: 64.57 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name ZINCALUME

Time gutter removed? 3/12/13 4:15

Date/Time arrived at panel 3/12/13 12:20

Volume collected 49 cm 48.7 L

Lab Work Order Number 1303047-18

Sample Id* & Time: ZIN-03-00-13-01

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.3°C 5.65 Specific conductivity: 2

Unusual observations or procedures at station - especially concerning mixing

Equipment Rinse Storm 7

WO # 1303047-23

ERW-03-20-13-01

Time / Date : 3/19/13 10:36

Pots rinsed:

~~AS1 + AS2~~ BUS, GLO

Tubes rinsed:

AS1 + AS2

Panel Checklist

Panel Name Distilled Water
Time gutter removed? 3/20/13
Date/Time arrived at panel _____
Volume collected _____ cm _____ L

Lab Work Order Number 1303047-22

Sample Id* & Time: DIW-03-20-13-01 10:35
Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

Field Checklist

Date and time collection points placed 3/4/13

Date and time rain initial 4/4/13 12:45

Date and time rain stop 4/5/13 5:45

Calculated rain duration 17 hrs

Rain intensity (in/hr) (downloaded from rain gage):

average 0.044/hr rap: 0.00 - 0.65/15 min

Rain depth (in) (downloaded from the rain gage) 0.74

Names of samplers ☒ Winters & Kyle Graunke Melissa McCall

Weather conditions: _____

Unusual observations at the event:

misting when put out buckets

pH meter calibrated?

Specific conductivity meter calibration:

Pre-read Temp. °C	Pre-read (uS/cm)	Post-read °C	Post-read (uS/cm)	Bat. (%)	☒ CONV	(Beta %)
<u>19.3</u>	<u>1392</u>	<u>19.3</u>	<u>1413</u>	<u>100</u>	<u>0.5</u>	<u>1.9</u>

Time samples moved to courier pick up cooler: 4/5/13 3:30

4/4/13

Equipment Rinse

1303048-22 + 23

Sampled 9:40 4/4/13

Pots: PAZ + BUS

Tubes: PAZ + Bur

1303048-22

ERW 04.05.13.01

Tot Met PAHs PBDEs

1303048-23

ERW 04.05.13.02 FD

Tot Met, PAHs + PBDEs

1303048-22

ERW-04.05.13.03 HS

Tot Met PAHs + PBDEs

1303048-22

MSD

ERW-04.05.13.04

Tot Met PAHs PBDEs

Panel Checklist

Panel Name Distilled Water
Time gutter removed? NA 4/5/13
Date/Time arrived at panel 9:30
Volume collected _____ cm _____ L

Lab Work Order Number 1303048-21

Sample Id* & Time: DIW.04.05.13.01 9:30
Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle 1
Time gutter removed? 4/5/13 5:45
Date/Time arrived at panel 4/5/13 13.25
Volume collected 58 cm 57.6 L

Lab Work Order Number 1303048-01

13:25

Sample Id* & Time: AS1-04-05-13-01

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☒ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.5°/6.76 Specific conductivity: 113
16.7°C/6.84

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name AS2
Time gutter removed? 4/5/13 5:45
Date/Time arrived at panel 4/5/13 13:15
Volume collected 57.5 cm 57.2 L

Lab Work Order Number 1303048-02

Sample Id* & Time: AS2-0410513101
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.8 °C
6.71 Specific conductivity: 4

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle 3
Time gutter removed? 4/5/13 5:45
Date/Time arrived at panel 4/5/13 12:55
Volume collected 58 cm 57.6 L 12:55

Lab Work Order Number 1303048-03 + 19

Sample Id* & Time: AS3-04.05.13.01 12:55

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE
13:00

Sample Id* & Time: AS3-04.05.13.02 FD

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE
13:03

Sample Id* & Time: AS3-04.05.13.03 MS

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE
13:07

Sample Id* & Time: AS3-04.05.13.04 MSD

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE
10.6°C

Temp/pH: 5.87 Specific conductivity: 3

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Painted Galv Metal
Time gutter removed? 4/5/13 5:45
Date/ Time arrived at pal 4/5/13 12:45
Volume collected 57.5 cm 57.1 L

Lab Work Order Number 1303048-04 12:45

Sample Id* & Time: PAZ-04105.13.01
Ana ☒ Tot Met . ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.7°C
5. Specific conductivity: 410
4.77

Unusual observations or procedures at station - especially concerning mixing

Inlet Checklist

Panel Name Treated Wood

Time gutter removed? 4/5/13 5:45

Date/ Time arrived at panel 4/5/13 12:35

Volume collected 58 cm 57.6 L

Lab Work Order Number 1303048-05 12:35

Sample Id* & Time: TWO - 04.05.13.101

Ana ☒ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.6°C
4.47 Specific conductivity: 42

Unusual observations or procedures at station - especially concerning mixing

sw is yellow

Panel Checklist

Panel Name Asphalt Shingle w/AR
Time gutter removed? 4/5/13 5:45
Date/Time arrived at panel 4/5/13 12:25
Volume collected 57 cm 56.6 L

Lab Work Order Number 1303048-06

Sample Id* & Time: AAR-04.05.13.01 12:25
Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.3 °C 6.23 Specific conductivity: 4

Unusual observations or procedures at station - especially concerning mixing

very slight yellow straw tint to SW

Panel Checklist

Panel Name Copper
Time gutter removed? 4/5/13 5:45
Date/Time arrived at panel 4/5/13 12:20
Volume collected 56 cm 55.6 L

Lab Work Order Number 1303047-07

Sample Id* & Time: CPR-0405.13.01 12:20

Ana ☒ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.7°C
4.91 Specific conductivity: 1

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Wood Shingle
Time gutter removed? 4/5/13 5:45
Date/ Time arrived at pad 4/5/13
Volume collected 57 cm 56.6 L

Lab Work Order Number 1303048-08

Sample Id* & Time: WOS.04.05.13.01 12:10
Ana ☒ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.80C
4.04 Specific conductivity: 32

Unusual observations or procedures at station - especially concerning mixing

sw orange + sun disc

Panel Checklist

Panel Name Glass Steep

Time gutter removed? 4/5/13 5:45

Date/ Time arrived at panel 4/5/13 12:00

Volume collected 55 cm 54.6 L

Lab Work Order Number 1303048-09

Sample Id* & Time: GST-04.05.13.01 12:00

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.50C
6.53
5.75 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Concrete Tile

Time gutter removed? 4/5/13 5:45

Date/ Time arrived at panel 4/5/13 11:50

Volume collected 55 cm 54.6 L

Lab Work Order Number 1303048-10

Sample Id* & Time: CT1.04.05.13.01 11:50

Ana ☒ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.9°C
7.19 Specific conductivity: 18

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Glass low Slope
Time gutter removed? X 4/5/13 5:45
Date/Time arrived at panel ~~4/5~~ 4/5/13 11:00
Volume collected 58.5 cm 58.1 L

Lab Work Order Number 1303048-11

Sample Id* & Time: GLD.04.05.13.01 11:00

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.2
4.86 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name BUA

Time gutter removed? 4/5/13 5:45

Date/ Time arrived at panel 4/5/13 10:50

Volume collected 48 cm 47.7 L
low

Lab Work Order Number 1303048-12

Sample Id* & Time: BUA-04-05-13.01 10:50

Ana ☒ Tot Met ☐ Dis Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 9.4°C 5.76 Specific conductivity: 1

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name TPO
Time gutter removed? 4/5/13 5:45
Date/Time arrived at panel 4/5/13
Volume collected 58.5 cm 52.1 L

Lab Work Order Number 1303048-13

Sample Id* & Time: TPO.04.05.13.01 10:40
Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.3
5.78 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Field Checklist

Panel Name BUR

Time gutter removed: 4/5/13 5:45

Date/Time arrived at: 4/5/13 10:30

Volume collected 4.8 cm 47.7 L

low

Lab Work Order Num: 1303048-16

Sample Id* & Time: BUR-04.05.13.01 10:30

Ana ☒ Tot Met ☒ Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time:

Ana ☐ Tot Met ☒ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time:

Ana ☐ Tot Met ☒ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time:

Ana ☐ Tot Met ☒ Met ☐ PAH + phth ☐ PBDE

9.40C

Temp/pH: 5.84 Specific conductivity: 5

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name EPDM
Time gutter removed? 4/5/13 5:45
Date/Time arrived at panel 4/5/13 10:15
Volume collected 58 cm 57.6 L

Lab Work Order Number 1303043-15 10:15

Sample Id* & Time: EPD 104.05.13.01
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.2 4.66 Specific conductivity: 1

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name HBUR WISBS

Time gutter removed? 4/5/13 545

Date/ Time arrived at panel 4/5/13 10:00

Volume collected 44 cm 43.7 L

low

Lab Work Order Number 1303048-14+20

1303048-14

Sample Id* & Time: BUS-04-05.13.01 10:00

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

1303048-20

Sample Id* & Time: BUS-04-05.13.02 10:04

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

1303048-14

Sample Id* & Time: BUS-04-05.13.03 10:06

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

1303048-14

Sample Id* & Time: BUS-04-05.13.04 10:10

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

9.2

Temp/pH: 6.29 Specific conductivity: 5

5.99

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name PVCTime gutter removed? 4/5/13 5:45Date/ Time arrived at panel 4/5/13 9:50Volume collected 59 cm 58.6 LLab Work Order Number 1303048 -17Sample Id* & Time: PVC-04.05.13.01 9:50Ana ☒ Tot Met ☐ Di Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDETemp/pH: 9.5°C
4.78 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

SW in pot oily sheen, slightly
milk, bubbly when stir

Panel Checklist

Panel Name Zincalume

Time gutter removed? 3/5/13 5:45

Date/ Time arrived at panel 9:40

Volume collected 60 cm 59.6 L

Lab Work Order Number 1303048-18

Sample Id* & Time: ZIN-04.05.13.01

9:40

Ana ☒ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: ~~25.0~~ 5.31 Specific conductivity: 0

94°C / 4.79

Unusual observations or procedures at station - especially concerning mixing

Event Checklist

Date and time collection pots placed 4/9/13 4:30

Date and time rain initiated 4/10/13 17:00

Rain started 4/10/13 8:15 until 10:45
Date and time rain stopped 4/10

Calculated rain duration 2.5 hrs

Rain intensity (in/hr) (downloaded from rain gage):

average 0.016 "/hr range: 0.00 - 0.06"/15 min

Rain depth (in) (downloaded from the rain gage) 0.40

Names of samplers N Winters & Kyle Graunke

Weather conditions: Rain stopped & couldn't

Sample til 4/11/13 Covered cans

Unusual observations about the event: w/ soil 4/10/13

Pollen in all buckets 3pm

pH meter very driftty

pH meter calibrated? Yes

Specific conductivity meter calibration:

Pre-read Temp. °C	Pre-read (uS/cm)	Post-read °C	Post-read (uS/cm)	Bat. (%)	✓ CONV	(Beta %) ✓
<u>17.1</u>	<u>121</u>	<u>16.9</u>	<u>1413</u>	<u>91</u> <u>100</u>	<u>0.5</u>	<u>1.9</u>

Time samples moved to courier pick up cooler: 16:30

Equipment Rinse

Sampled 4/9/13 4:30

ERW. 04.10.13.01 1304038-26

Pots: TWO + WAS

Tubes: BUR. TWO

Tot Met PATs + Ph

ERW. 04.10.13.02 1304038-27

Without stirrer

Sent to lab 1 day earlier
ie on 4/10/13

Panel Checklist

Panel Name Asphalt Shingle, 1
Time gutter removed? See event checklist
Date/ Time arrived at panel 4/11/13 10:10
Volume collected 30 cm 29.8 L

Lab Work Order Number 1304038-01

Sample Id* & Time: AS1-04-11-13-01 10:10
Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 8.5°C 4.83 Specific conductivity: 9

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle 2

Time gutter removed? See event⁹ check list

Date/Time arrived at panel 4/11/13 10:20

Volume collected 29.5 cm 29.3 L

Lab Work Order Number 1304038-02 +20

1304038-02

Sample Id* & Time: AS2.04.11.13.01 10:20

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

1304038-20

Sample Id* & Time: AS2.04.11.13.02 10:23 FD

Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

1304038-02

Sample Id* & Time: AS2.04.11.13.03 10:26 MS

Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

1304038-02

Sample Id* & Time: AS2.04.11.13.04 10:29 MSD

Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Temp/pH: 6.6°C 4.82 Specific conductivity: 6

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Asphalt Shingle 3
Time gutter removed? See Event Checklist
Date/Time arrived at panel 4/11/13 10:32
Volume collected 29.5 cm 29.3 L

Lab Work Order Number 1304038-03

Sample Id* & Time: AS3-04.11.13.01 10:32

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 8.6°C
4.74 Specific conductivity: 7

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Painted Metal
Time gutter removed? See Event Checklist
Date/ Time arrived at panel 4/11/13 10:42
Volume collected 30 cm 29.8 L

Lab Work Order Number 1304038.04

Sample Id* & Time PAZ.04.11.13.01 10:42
Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.6°C 4.52 Specific conductivity: 1

Unusual observations or procedures at station - especially concerning mixing

Recalib pH meter due to drift

Panel Checklist

Panel Name Treated Wood

Time gutter removed? see Event Checklist

Date/ Time arrived at pad 4/11/13 10:55

Volume collected 29.5 cm 29.3 L

Lab Work Order Number 1304038-05

Sample Id* & Time: TWO 04 11 13 01

Ana ☒ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 5.9°C
4.63 Specific conductivity: 4

Unusual observations or procedures at station - especially concerning mixing

Requested 1:50 dilution in lab
for Ag + Cu

Panel Checklist

Panel Name Asphalt Shingle w/ AR
Time gutter removed? See Event Checklist
Date/Time arrived at panel 4/11/13 11:05
Volume collected 29 cm 28.8 L

Lab Work Order Number 1304038-06 + 19

1304038-06

Sample Id* & Time: AAR.04.11.13.01 11:05

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE 11:10

1304038-19

Sample Id* & Time: AAR.04.11.13.02 FD

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE 11:15

1304038-06

Sample Id* & Time: AAR.04.11.13.03 MS

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE 11:20

1304038-06

Sample Id* & Time: AAR.04.11.13.04 MSD

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Temp/pH: 5.9°C
8.13 Specific conductivity: 4

Unusual observations or procedures at station - especially concerning mixing

likely pH drift. See ASI-3

Panel Checklist

Panel Name Copper
Time gutter removed? See Event Checklist
Date/ Time arrived at pad 4/11/13 11:20
Volume collected 29 cm 28.8 L

Lab Work Order Number 1304038-07-21
1304038-07 11:20
Sample Id* & Time: CPR.04.11.13.01
Ana ☒ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

1304038-21
Sample Id* & Time: CPR.04.11.13.02 FD
Ana ☒ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

1304038-07
Sample Id* & Time: CPR.04.11.13.03 MS
Ana ☒ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

1304038-07
Sample Id* & Time: CPR.04.11.13.04 MSD
Ana ☒ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

64°C
Temp/pH: 7.05 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Wood Shingle
Time gutter removed? See Event Checklist
Date/Time arrived at panel 4/11/13 11:34
Volume collected 28 cm 27.8 L

Lab Work Order Number 1304038-08

Sample Id* & Time: WDS-04-11-13-01 11:34

Ana ☒ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 7.42
5.42 Specific conductivity: 51

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Glass Steep
Time gutter removed? See Event Checklist
Date/Time arrived at panel 4/11/13 11:40
Volume collected 27.5 cm 27.3 L

Lab Work Order Number 1304038-09

11:40

Sample Id* & Time: GST-04.11.13.01
Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.40C 6.25 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Cement Tile
Time gutter removed? See Event Checklist
Date/Time arrived at panel 4/11/13 11:50
Volume collected 26 cm 27.8 L

Lab Work Order Number 1304038-10

Sample Id* & Time: CT1-04.11.13.01 11:50

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

1304038-22

Sample Id* & Time: FD 11:52

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

11:54

Sample Id* & Time: MS

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

11:56

Sample Id* & Time: MSD

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.6°C 4.25 Specific conductivity: 28

8.55

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Glass Low Slope
Time gutter removed? See Event Checklist
Date/ Time arrived at panel 4/11/13 12:55
Volume collected 28 cm 27.8 L

Lab Work Order Number 1304038-11724

1304038-11
Sample Id* & Time: GLO.04.11.13.01

Ana ☒ Tot Met ☐ Dis Met ☒ PAH + phth ☒ PBDE

1304038-24
Sample Id* & Time: GLO.04.11.13.02 FD

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☒ PBDE

1304038-11
Sample Id* & Time: GLO.04.11.13.03 MS

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☒ PBDE

1304038-11
Sample Id* & Time: GLO.04.11.13.04 MSD

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☒ PBDE

10.5°C
Temp/pH: 6.77 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name MBUR w/ APP

Time gutter removed? See Event Checklist

Date/ Time arrived at panel 4/11/13 13:20

Volume collected 26.5 cm 26.3 L

Lab Work Order Number 1304038-12 +23

1304038-12

13:20

Sample Id* & Time: BUA-04-11-13-01

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

1304038-23

13:25

Sample Id* & Time: BUA-04-11-13-02

FD

Ana ☐ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

1304038-12

13:30

Sample Id* & Time: BUA-04-11-13-03

MS

Ana ☐ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

1304038-12

13:35

Sample Id* & Time: BUA-04-11-13-04

MSD

Ana ☐ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

6.6°C

Temp/pH: 7.07 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name TPO

Time gutter removed? See Event Checklist

Date/Time arrived at panel 4/11/13 13:40

Volume collected 28 cm 27.8 L

Lab Work Order Number 1304038-13

Sample Id* & Time: TPO-04.11.13.01

13:40

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 6.7°C
7.22 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Built-up Roofing

Time gutter removed? See Event Checklist

Date/ Time arrived at panel 4/11/13 13:50

Volume collected 26 cm 25.8 L

Lab Work Order Number 1304038-14

Sample Id* & Time: BUR-04.11.13.01 13:50

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 7.6°C 6.05 Specific conductivity: 3

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name EPDM

Time gutter removed? See Event Checklist

Date/Time arrived at panel 4/11/13 14:00

Volume collected 28 cm 27.8 L

Lab Work Order Number 1304038-15 14:00

Sample Id* & Time: EPD-04.11.13.01

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 8.1°C 4.42 Specific conductivity: 5

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name: MTBUR w/ SBS
Time gutter removed? See Event Checklist
Date/Time arrived at panel 4/11/13 14:15
Volume collected 25.5 cm 25.3 L

Lab Work Order Number 1304038-16 14:15

Sample Id* & Time: BUS-04-11-13-01
Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 8.7°C 5.29 Specific conductivity: 1

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name PVC
Time gutter removed? See Event Checklist
Date/Time arrived at panel 4/11/13 14:25
Volume collected 29 cm 28.8 L

Lab Work Order Number 1304038-17

Sample Id* & Time: PVC 104 11 13 01 14:25
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 8.8 4.93 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Zincalume

Time gutter removed? See Event Checklist

Date/ Time arrived at panel 4/11/13 14:35

Volume collected 29.5 cm 29.3 L

Lab Work Order Number 1304038-18 14:35

Sample Id* & Time ZIN-04.11.13.01

Ana ☒ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 9.8°C 4.97 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Panel Checklist

Panel Name Distilled Water Blank

Time gutter removed? _____

Date/ Time arrived at pal _____

Volume collected _____ cm _____ L

Lab Work Order Number 1304038-25

9:00

Sample Id* & Time: DIW.04.11.13.01

Ana ☒ Tot Met . ☐ B Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ B Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ B Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ B Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

Did not use 35 pitcher to fill

Event Checklist

Date and time collection pots placed 4/18 15:45

Date and time rain initiated 4/18/13 15:45

Date and time rain stopped 4/19/13 12:30

Calculated rain duration _____

Rain intensity (in/hr) (downloaded from rain gage):
 average _____ range: _____

Rain depth (in) (downloaded from the rain gage) _____

Names of samplers N Winters & Kyle Graunke M. McCall

Weather conditions: _____

Unusual observations about the event:

pH meter calibrated? 6.98, 98.6, 4.10

Specific conductivity meter calibration:

Pre-read Temp. °C	Pre-read (uS/cm)	Post-read °C	Post-read (uS/cm)	Bat. (%)	☒ CONV	(Beta % ☒
<u>15.1</u>	<u>1374</u>	<u>15.1</u>	<u>1413</u>	<u>100</u>	<u>0.5</u>	<u>1.9</u>

91

Ti _____ samples moved to courier pickup as above

Equipment Rinse

1304039-25

9:32

ERW -04-18-13 -01

Pot3 AS3 +CPR

Tubes Z/N +GST

Distilled Water from Clean^{Room}

1304039-26

ERW -04-19-13 -02 16:30

Panel Checklist

Panel Name Asphalt Shingle
Time gutter removed? 4/19/13 12:30
Date/Time arrived at panel 4/19/13 15:55
Volume collected 23.5 cm 23.3 L

Lab Work Order Number 1304039-01

Sample Id* & Time: AS1-04-19-13-01

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.0°C
6.73 Specific conductivity: 24

Unusual observations or procedures at station - especially
concerning mixing collected water is
slightly cloudy.

Inel Checklist

Panel Name Asphalt Shingle 2
Time gutter removed? 4/19/13 12:30
Date/ Time arrived at panel 4/19/13 16:00
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-02

Sample Id* & Time: AS2-04-19-13 -01
Ana ☒ Tot Met . ☐ Di Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.6°C 6.96 Specific conductivity: 16

Unusual observations or procedures at station - especially concerning mixing collected water is slightly cloudy

Panel Checklist

Panel Name Ashpelt Shingle 3
Time gutter removed? 4/19/13 10:30
Date/Time arrived at panel 4/19/13 16:10
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-03

Sample Id* & Time: AS3-04-19-13-01
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.2 6.98 Specific conductivity: 17

Unusual observations or procedures at station - especially concerning mixing collected water is slightly cloudy

Panel Checklist

Panel Name Painted Galv. Metal
Time gutter removed? 4/19/13 12:30
Date/ Time arrived at pal 4/19/13 15:45
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039.04 2.19

Sample Id* & Time: PAZ-04-19-13 -01
Ana ☒ Tot Met ☐ ~~D~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: PAZ-04-19-13 -02 ^{FD}
Ana ☒ Tot Met ☐ ~~D~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: PAZ-04-19-13 -03 ^{MS}
Ana ☒ Tot Met ☐ ~~D~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: PAZ-04-19-13 04 ^{MSD}
Ana ☒ Tot Met ☐ ~~D~~ Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.2
4.94 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing clear w/ pollen on bottom

Panel Checklist

Panel Name Treated wood
Time gutter removed? 4/19/13 12:30
Date/Time arrived at panel 4/19/13 15:30
Volume collected 22 cm 21.9 L

Lab Work Order Number 1304039-05+20 15:30

Sample Id* & Time: TWO-04-19-13 -01

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE 15:32

Sample Id* & Time: TWO-04-19-13 -02 FD

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE 15:34

Sample Id* & Time: TWO-04-19-13-03 MS

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE 15:37

Sample Id* & Time: TWO-04-19-13 -04 MSD

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE 11.4

Temp/pH: 4.85 Specific conductivity: 14

Unusual observations or procedures at station - especially concerning mixing

Straw yellow + cloudy

Panel Checklist

Panel Name Asphalt Shingle w/ AR
Time gutter removed? 4/19/13 12:30
Date/ Time arrived at pal 4/19/13 15:25
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-06

Sample Id* & Time: AAR-04-19-13 - 01
Ana ☒ Tot Met ☐ ~~Is~~ Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ ~~Is~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ ~~Is~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ ~~Is~~ Met ☐ PAH + phth ☐ PBDE

10.9
Temp/pH: 6.7.01 Specific conductivity: 14

Unusual observations or procedures at station - especially concerning mixing

slightly cloudy

Panel Checklist

Panel Name Copper
Time gutter removed? 4/19/13 12:30
Date/Time arrived at panel 4/19/13 15:17
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-07

Sample Id* & Time: LPR-04-19-13 -01
Ana ☒ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.0°C 5.59 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

clear w/ pollen on bottom

Panel Checklist

Panel Name Wood Shingle

Time gutter removed? 4/19/13 12:20

Date/ Time arrived at panel 4/19/13 15:10

Volume collected 22 cm 21.9 L

Lab Work Order Number 1304039-08

Sample Id* & Time: WOS-04-19-13.01

Ana ☒ Tot Met ☐ ~~Is~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ ~~Is~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ ~~Is~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ ~~Is~~ Met ☐ PAH + phth ☐ PBDE

Temp/pH 74.3 11.5 °C Specific conductivity: 74

Unusual observations or procedures at station - especially concerning mixing

orange / yellow clear

Panel Checklist

Panel Name Glass Steep Slope
Time gutter removed? 4/19/13 12:30
Date/ Time arrived at panel 4/19/13 1305
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-09

Sample Id* & Time: GST 04-19-13 - -01
Ana ☒ Tot Met ☐ Di Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.0 °C
6.00 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

clear

Panel Checklist

Panel Name Concrete Tile
Time gutter removed? 4/19/13
Date/Time arrived at panel 4/19/13 14:55
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-10

Sample Id* & Time: CT1 -01
Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.4°C 6.95 Specific conductivity: 72

Unusual observations or procedures at station - especially concerning mixing

Clear

Panel Checklist

Panel Name Glass Low Slope
Time gutter removed? 4-19-2013 12:30
Date/Time arrived at panel 4-19-2013 14:40
Volume collected 26 cm 25.8 L

Lab Work Order Number 1304039-11

Sample Id* & Time: GLD-04-19-13 -01

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.5C/4.69 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Clear

Panel Checklist

Panel Name MBUR w/ APP

Time gutter removed? 4-19-2013 12:30

Date/ Time arrived at panel 4-19-2013 1425

Volume collected 21 cm 20.9 L

Lab Work Order Number 1304039-12

Sample Id* & Time: BVA-04-19-13 -01

Ana ☒ Tot Met . ☐ Di Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.2°C/5.26 Specific conductivity: 3

Unusual observations or procedures at station - especially concerning mixing

Cloudy

Panel Checklist

Panel Name TPO
Time gutter removed? 4/19/13 12:30
Date/Time arrived at panel 4/19/13 14:10
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-13 + 22

1304039-13
Sample Id* & Time: TPO-04-19-13-01 14:10
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE 14:13

1304039-22
Sample Id* & Time: TPO-04-19-13--02 FD
Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE 14:16

1304039-13
Sample Id* & Time: TPO-04-19-13--03 MS
Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE 14:20

1304039-13
Sample Id* & Time: TPO-04-19-13--04 MSD
Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Temp/pH: 11.2°C
5.76 Specific conductivity: 1

Unusual observations or procedures at station - especially concerning mixing

clear

Panel Checklist

Panel Name Built-up Roof (BUR)
Time gutter removed? 4/19/13 12:30
Date/ Time arrived at panel 4/19/13 13:50
Volume collected 20 cm 19.9 L

Lab Work Order Number 1304039-14 + 21

1304039-14 13:50
Sample Id* & Time: BUR -01

Ana ☒ Tot Met ☐ Dis Met ☒ PAH + phth ☐ PBDE

1304039-21 13:52
Sample Id* & Time: FD -02

Ana ☐ Tot Met ☐ Dis Met ☒ PAH + phth ☐ PBDE

1304039-14 13:54
Sample Id* & Time: MS -03

Ana ☐ Tot Met ☐ Dis Met ☒ PAH + phth ☐ PBDE

1304039-14 13:57
Sample Id* & Time: MSD -04

Ana ☐ Tot Met ☐ Dis Met ☒ PAH + phth ☐ PBDE

10.6 °C
Temp/pH: 6.16 Specific conductivity: 13

Unusual observations or procedures at station - especially concerning mixing

slightly cloudy

Panel Checklist

Panel Name EPDM
Time gutter removed? 4/19/13 12:30
Date/Time arrived at panel 4/19/13 13:40
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-15

Sample Id* & Time: EPD-04-19-13 -01
Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

11, 30C
Temp/pH: 4, 40 Specific conductivity: 14

Unusual observations or procedures at station - especially concerning mixing

Clear

Panel Checklist

Panel Name MBUR w/ SBS

Time gutter removed? 4/19/13 12:30

Date/ Time arrived at panel 4/19/13 13:30

Volume collected 19 cm 18.9 L

Lab Work Order Number 1304039-16 13:30

Sample Id* & Time: BUS -01

Ana ☒ Tot Met ☐ ~~Ds~~ Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ ~~Ds~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ ~~Ds~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ ~~Ds~~ Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.9 °C
6.46 Specific conductivity: 9

Unusual observations or procedures at station - especially concerning mixing

Cloudy

Panel Checklist

Panel Name PVC
Time gutter removed? 4/19/13 12:30
Date/Time arrived at panel 4/19/13 13:05
Volume collected 25 cm 24.8 L

Lab Work Order Number 1304039-17+23
1304039-17 13:05
Sample Id* & Time: PVC-04-19-13 -01

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE
1304039-23 13:10 FD
Sample Id* & Time: PVC-04-19-13 -02

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE
1304039-17 13:15 MS
Sample Id* & Time: PVC-04-19-13 -03

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE
1304039-17 13:20 MSD
Sample Id* & Time: PVC-04-19-13 -04

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE
Temp/pH: 11.7°C 4.98 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Slightly cloudy

Panel Checklist

Panel Name Zincalume
Time gutter removed? 4/19/13 12:10
Date/ Time arrived at panel 4/19/13 12:55
Volume collected 24.5 cm 24.3 L

Lab Work Order Number 1304039-18 12:55

Sample Id* & Time: ZIN-04-19-13 -01

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.9°C
4.13 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Clear

Panel Checklist

Panel Name Distilled Water

Time gutter removed? _____

Date/ Time arrived at panel _____ 15:00

Volume collected _____ cm _____ L

Lab Work Order Number 1304039-24

Sample Id* & Time: DIW -01

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing

Event Checklist

Date and time collection pots placed 4/18 15:45

Date and time rain initiated 4/18/13 15:45

Date and time rain stopped 4/19/13 12:30

Calculated rain duration _____

Rain intensity (in/hr) (downloaded from rain gage):

average _____ range: _____

Rain depth (in) (downloaded from the rain gage) _____

Names of samplers N Winters & Kyle Graunke M. McCall

Weather conditions: _____

Unusual observations about the event:

pH meter calibrated? 6.98, 98.6, 4.10

Specific conductivity meter calibration:

Pre-read Temp.°C	Pre-read (uS/cm)	Post-read °C	Post-read (uS/cm)	Bat. (%)	✓ CONV	(Beta % ✓)
<u>15.1</u>	<u>1374</u>	<u>15.1</u>	<u>1413</u>	<u>100</u>	<u>0.5</u>	<u>1.9</u>

Time samples moved to courier pick up cooler:

Equipment Rinse

1304039-25

9:32

ERW -04-18-13 -01

Pots AS3 + CPR

Tubes Z/N + GST

Distilled Water from Clean^{Room}

1304039-26

ERW -04-19-13 -02 16:30

Panel Checklist

Panel Name Asphalt Shingle
Time gutter removed? 4/19/13 12:30
Date/Time arrived at panel 4/19/13 15:55
Volume collected 23.5 cm 23.3 L

Lab Work Order Number 1304039-01

Sample Id* & Time: AS1-04-19-13-01
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.0°C
6.73 Specific conductivity: 24

Unusual observations or procedures at station - especially concerning mixing collected water is slightly cloudy.

Inel Checklist

Panel Name Asphalt Shingle 2

Time gutter removed? 4/19/13 12:30

Date/ Time arrived at panel 4/19/13 16:00

Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-02

Sample Id* & Time: AS2-04-19-13 -01

Ana ☒ Tot Met ☐ Di Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.6 °C
6.96 Specific conductivity: 16

Unusual observations or procedures at station - especially concerning mixing collected water is slightly cloudy

Panel Checklist

Panel Name Ashpalt Shingle 3
Time gutter removed? 4/19/13 12:30
Date/Time arrived at panel 4/19/13 16:10
Volume collected 23 cm 22.6 L

Lab Work Order Number 1304039-03

Sample Id* & Time: AS3-04-19-13-01

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.2
16.98 Specific conductivity: 17

Unusual observations or procedures at station - especially concerning mixing

collected water is slightly cloudy

Panel Checklist

Panel Name Painted Galv. Metal

Time gutter removed? 4/19/13 12:30

Date/ Time arrived at panel 4/19/13 15:45

Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039.04 : 19

Sample Id* & Time: PAZ-04-19-13 -01

Ana ☒ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: PAZ-04-19-13 -02 ^{FD}

Ana ☒ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: PAZ-04-19-13 -03 ^{MS}

Ana ☒ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: PAZ-04-19-13 04 ^{MSD}

Ana ☒ Tot Met . ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.2
4.94 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing clear w/ pollen on bottom

Panel Checklist

Panel Name Treated Wood

Time gutter removed? 4/19/13 12:30

Date/Time arrived at panel 4/19/13 15:30

Volume collected 22 cm 21.9 L

Lab Work Order Number 1304039-05+20 15:30

Sample Id* & Time: TWO-04-19-13 -01

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE 15:32

Sample Id* & Time: TWO-04-19-13 -02 FD

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE 15:34

Sample Id* & Time: TWO-04-19-13 -03 MS

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE 15:37

Sample Id* & Time: TWO-04-19-13 -04 MSD

Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE 11.4

Temp/pH: 4.85 Specific conductivity: 14

Unusual observations or procedures at station - especially concerning mixing
Straw yellow + cloudy

Panel Checklist

Panel Name Asphalt Shingle w/ AR
Time gutter removed? 4/19/13 12:30
Date/ Time arrived at pal 4/19/13 15:25
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-06

Sample Id* & Time: AAR-04-19-13 - 01
Ana ☒ Tot Met ☐ ~~Is~~ Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ ~~Is~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ ~~Is~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ ~~Is~~ Met ☐ PAH + phth ☐ PBDE

10.9
Temp/pH: 6.701 Specific conductivity: 14

Unusual observations or procedures at station - especially concerning mixing

slightly cloudy

Panel Checklist

Panel Name Copper
Time gutter removed? 4/19/13 10:30
Date/Time arrived at panel 4/19/13 15:17
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-07

Sample Id* & Time: LPR-04-19-13 -01
Ana ☒ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.0°C
5.59 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

clear w/ pollen on bottom

Panel Checklist

Panel Name Wood Shingle

Time gutter removed? 4/19/13 12:30

Date/ Time arrived at panel 4/19/13 15:10

Volume collected 22 cm 21.9 L

Lab Work Order Number 1304039-08

Sample Id* & Time: WOS-04-19-13-01

Ana ☒ Tot Met . ☐ ~~Ds~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ ~~Ds~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ ~~Ds~~ Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ ~~Ds~~ Met ☐ PAH + phth ☐ PBDE

Temp/pH: 74.3 11.5 °C Specific conductivity: 74

Unusual observations or procedures at station - especially concerning mixing

orange / yellow clear

Panel Checklist

Panel Name Glass Steep Slope
Time gutter removed? 4/19/13 12:30
Date/ Time arrived at panel 4/19/13 1305
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-09

Sample Id* & Time: GST 04-19-13 - -01

Ana ☒ Tot Met ☐ Di Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.0 °C
6.00 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

clear

Panel Checklist

Panel Name Concrete Tile
Time gutter removed? 4/19/13
Date/Time arrived at panel 4/19/13 14:55
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-10

Sample Id* & Time: CT1 -01

Ana ☒ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.4°C 6.95 Specific conductivity: 72

Unusual observations or procedures at station - especially concerning mixing

Clear

Panel Checklist

Panel Name Glass Low Slope
Time gutter removed? 4-19-2013 12:30
Date/Time arrived at panel 4-19-2013 14:40
Volume collected 26 cm 25.8 L

Lab Work Order Number 1304039-11

Sample Id* & Time: GLD-04-19-13 -01
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____
Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: 11.5°C/4.69 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

clear

Panel Checklist

Panel Name MBUR w/ APP

Time gutter removed? 4.19.2013 12:30

Date/ Time arrived at panel 4.19.2013 1425

Volume collected 21 cm 20.9 L

Lab Work Order Number 1304039-12

Sample Id* & Time: BVA-04-19-13 -01

Ana ☒ Tot Met ☐ Di Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Di Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.2°C/5.26 Specific conductivity: 3

Unusual observations or procedures at station - especially concerning mixing

Cloudy

Panel Checklist

Panel Name TPO
Time gutter removed? 4/19/13 12:30
Date/Time arrived at panel 4/19/13 14:10
Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-13 + 22

1304039-13
Sample Id* & Time: TPO-04-19-13-01 14:10
Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE 14:13
FD

1304039-22
Sample Id* & Time: TPO-04-19-13--02
Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE 14:16
MS

1304039-13
Sample Id* & Time: TPO-04-19-13--03
Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE 14:20
MSD

1304039-13
Sample Id* & Time: TPO-04-19-13--04
Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

Temp/pH: 11.2°C
5.76 Specific conductivity: 1

Unusual observations or procedures at station - especially concerning mixing

clear

Panel Checklist

Panel Name Built-up Roof (BUR)
Time gutter removed? 4/19/13 12:30
Date/Time arrived at panel 4/19/13 13:50
Volume collected 20 cm 19.9 L

Lab Work Order Number 1304039-14 + 21

1304039-14 13:50
Sample Id* & Time: BUR -01

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

1304039-21 13:52
Sample Id* & Time: FD -02

Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

1304039-14 13:54
Sample Id* & Time: MS -03

Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

1304039-14 13:57
Sample Id* & Time: MSD -04

Ana ☐ Tot Met ☐ Diss Met ☒ PAH + phth ☐ PBDE

10.6 °C
Temp/pH: 6.16 Specific conductivity: 13

Unusual observations or procedures at station - especially concerning mixing

slightly cloudy

Panel Checklist

Panel Name EPDM

Time gutter removed? 4/19/13 12:30

Date/Time arrived at panel 4/19/13 13:40

Volume collected 23 cm 22.8 L

Lab Work Order Number 1304039-15

Sample Id* & Time: EPD-04-19-13 -01

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Diss Met ☐ PAH + phth ☐ PBDE

11, 30C
Temp/pH: 4, 40 Specific conductivity: 14

Unusual observations or procedures at station - especially concerning mixing

Clear

Panel Checklist

Panel Name MBUR w/ SBS
Time gutter removed? 4/19/13 12:30
Date/ Time arrived at panel 4/19/13 13:30
Volume collected 19 cm 18.9 L

Lab Work Order Number 1304039-16 13:30

Sample Id* & Time: BUS -01

Ana ☒ Tot Met ☐ Dis Met ☒ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.9 °C
6.46 Specific conductivity: 9

Unusual observations or procedures at station - especially concerning mixing

Cloudy

Panel Checklist

Panel Name PVC

Time gutter removed? 4/19/13 12:30

Date/Time arrived at panel 4/19/13 13:05

Volume collected 25 cm 24.8 L

Lab Work Order Number 1304039-17+23

1304039-17 13:05
Sample Id* & Time: PVC-04-19-13 -01

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

1304039-23 13:10 FD
Sample Id* & Time: PVC-04-19-13 -02

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

1304039-17 13:15 HS
Sample Id* & Time: PVC-04-19-13 -03

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

1304039-17 13:20 MSD
Sample Id* & Time: PVC-04-19-13 -04

Ana ☒ Tot Met ☐ Diss Met ☒ PAH + phth ☒ PBDE

Temp/pH: 11.7°C 4.98 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

slightly cloudy

Panel Checklist

Panel Name Zincalume
Time gutter removed? 4/19/13 12:30
Date/ Time arrived at panel 4/19/13 12:55
Volume collected 24.5 cm 24.3 L

Lab Work Order Number 1304039-18

Sample Id* & Time: ZIN-04-19-13 -01

Ana ☒ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met ☐ Dis Met ☐ PAH + phth ☐ PBDE

Temp/pH: 10.9°C
4.13 Specific conductivity: 0

Unusual observations or procedures at station - especially concerning mixing

Clear

Panel Checklist

Panel Name Distilled Water

Time gutter removed? _____

Date/ Time arrived at panel _____ 15:00

Volume collected _____ cm _____ L

Lab Work Order Number 1304039-24

Sample Id* & Time: DIW -01

Ana ☒ Tot Met . ☐ Diss Met ☒ PAH + phth ☒ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Sample Id* & Time: _____

Ana ☐ Tot Met . ☐ Diss Met ☐ PAH + phth ☐ PBDE

Temp/pH: _____ Specific conductivity: _____

Unusual observations or procedures at station - especially concerning mixing