

# Appendix A

## Chain of Custody Forms

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>Frederick Mullhogg</i>	Date 9-14-11	Time 11 00
Received by <i>for E</i>	Date 9/14/11	Time 1120
Sample Numbers <span style="float: right;">[All]</span>		

Sample Number	P54126-1	P54126-2	P54126-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	9/13/11 @ 1036 @ 0851		9/13/11 @ 0851
End Date/Time	9/14/11 @ 1214 @ 0916		9/14/11 @ 0916
Time Span	25 3/4		24 1/4
Sample Depth			
PERSONNEL	DR, MP		
SAMP INFO			
SAMP METH	01011, 66032, 90011		01011, 66032, 90011
SAMPLE CODE	FC; 1,000 gal		FC; 300 gal
SAMPLE UNIT	7		14
STORM/NON	N		N
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB

missed 43

43,000 gal  
 captured 7Kgal  
 of it

only 3 of 50  
 collected  
 tossed sample

missed first sample,  
 would have been 15  
 4,500 gal

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date <i>9/15/11</i>	Time <i>1130</i>
Received by <i>[Signature]</i>	Date <i>9-15-11</i>	Time <i>1130</i>
Sample Numbers <i>2, 3</i>		

[All]

Sample Number	P54154-1	P54154-2	P54154-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments	<i>delete</i>		
Start Date/Time		<i>9/14/11 @ 0931</i>	<i>9/14/11 @ 0925</i>
End Date/Time		<i>9/15/11 @ 1001</i>	<i>9/15/11 @ 0505</i>
Time Span		<i>24 1/2</i>	<i>23 19 3/4</i>
Sample Depth			
PERSONNEL		<i>DR, JD, MP</i>	<i>→</i>
SAMP INFO		<i>del</i>	<i>→</i>
SAMP METH		<i>01012, 67032, 90011</i>	<i>01011, 66022, 90011</i>
SAMPLE CODE		<i>TC; 30 min</i>	<i>FC; 100 gal</i>
SAMPLE UNIT		<i>10</i>	<i>50</i>
STORM/NON		<i>N</i>	<i>N</i>
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC <i>3 no more</i> 3 LF TOC <i>40 no 1/2</i> 3 LF TSS <i>7 full</i> <del>6 LF HG-CVAA, DISS-L</del> 6 LF HG-CVAA-L 6 LF NPDES ICPMS <del>6 LF NPDES ICPMS, DISS</del> 6 LF V-ICPMS <del>6 LF V-ICPMS, DISS</del> 7 LF PAH-SIM-LVI-LL <del>10 LF EPA1613BDIOXIN</del> <del>10 LF EPA1668PCB</del>	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB

*not enough liquid**used PI*

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## CHAIN OF CUSTODY

Relinquished by <i>March 1st</i>	Date <i>9/22/11</i>	Time <i>1600</i>
Received by <i>for 9</i>	Date <i>9/22/11</i>	Time <i>1600</i>
Sample Numbers <i>2</i>		

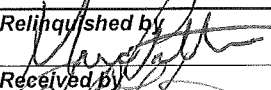
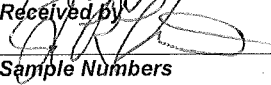
[All]

Sample Number	P54174-1	P54174-2	P54174-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time		<i>9/21/11 @ 1415</i>	
End Date/Time		<i>9/22/11 @ 1352</i>	
Time Span		<i>24 23 3/4</i>	
Sample Depth			
PERSONNEL		<i>MP, DR</i>	
SAMP INFO		<i>del</i>	
SAMP METH		<i>01012, 67032, 90011</i>	
SAMPLE CODE		<i>TC, 20 min</i>	
SAMPLE UNIT		<i>38</i>	
STORM/NON		<i>N</i>	
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB



*used PI*

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by 	Date 9/29/11	Time 1605
Received by 	Date 9-29-11	Time 1605
Sample Numbers		

[All]

Sample Number	P54307-1	P54307-2	P54307-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	9/28/11 @ 1502	9/28/11 @ 1430	9/28/11 @ 1433
End Date/Time	9/29/11 @ 1453	9/29/11 @ 1416	9/29/11 @ 1427
Time Span	23 <sup>3</sup> / <sub>4</sub>	23 <sup>3</sup> / <sub>4</sub>	24
Sample Depth			
PERSONNEL	MP, DR		
SAMP INFO	del		
SAMP METH	01011, 66022, 90011	01012, 67032, 90011	01011, 66022, 90011
SAMPLE CODE	FC; 2,500 gal	TC; 10 min	FC; 100 gal
SAMPLE UNIT	31	48	27
STORM/NON	N		
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB

2039796

1961430

78346

used PI

594335

591542

2793

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## CHAIN OF CUSTODY

Relinquished by <i>M. B. Batten</i>	Date 10/18/11	Time 1230
Received by <i>DR</i>	Date 10-18-11	Time 1230
Sample Numbers		[All]

Sample Number	P54454-1	P54454-2	P54454-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	10/17/11 @ 1105	10/17/11 @ 1045	10/17/11 @ 1047
End Date/Time	10/18/11 @ 1051	10/18/11 @ 1015	10/18/11 @ 1055
Time Span	24 23 <sup>3</sup> / <sub>4</sub>	24 23 <sup>1</sup> / <sub>2</sub>	24 23 <sup>3</sup> / <sub>4</sub>
Sample Depth			
PERSONNEL	MP, DR	→	
SAMP INFO	del	→	
SAMP METH	01011, 66022, 90011	67032 01012, 66022, 90011	01011, 66022, 90011
SAMPLE CODE	FC; 2,500 gal	ETC; 30 min	FC; 100 gal
SAMPLE UNIT	37	47	36
STORM/NON	13	→	
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB <i>1 missed no lig</i>	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB

Tot: 4594986  
 4510837  
 84149

used PI

1281685  
 1278104  
 3581

Login: P54455

LDW Basin Study - Baseflow

Personnel: \_\_\_\_\_

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date 10/19/11	Time 1225
Received by <i>[Signature]</i>	Date 10-19-11	Time 1225
Sample Numbers 2, 3	[All]	

Sample Number	P54455-1	P54455-2	P54455-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time		10/18/11 @ 1035	10/18/11 @ 1047
End Date/Time		10/19/11 @ 1015	10/19/11 @ 0112
Time Span		24 23 3/4	24 1/2
Sample Depth			
PERSONNEL		MP, DR, BB	
SAMP INFO		del	more flow than anticipated
SAMP METH		67032 01012, 660, 90011	01011, 66022, 90011
SAMPLE CODE		TC, 30-in	FC, 100 gal
SAMPLE UNIT		48	48
STORM/NON		N	
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB

used PI

1288340  
1281685  
-----  
6655

Login: P54488

LDW Basin Study - Baseflow

Personnel: \_\_\_\_\_

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date 10/20/11	Time 1234
Received by <i>ku A</i>	Date 10/20/11	Time 1734
Sample Numbers 54488 243 [All]		

Sample Number	P54488-1	P54488-2	P54488-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time		10/19/2011 1043	10/19/2011 1055
End Date/Time		10/20/2011 1015	10/20/2011 0815
Time Span		24 23 1/2	21 1/2
Sample Depth			
PERSONNEL		MI, DR	
SAMP INFO		del	Sampler stopped @ max samples to be taken
SAMP METH		01012, 67032, 90011	01011, 66022, 90011
SAMPLE CODE		TC; 30 min	FC; 125 gal
SAMPLE UNIT		48	50
STORM/NON		N	N
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL

PI

.711

1294705

1288340

16365



Login: P54531

LDW Basin Study

Personnel: \_\_\_\_\_

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date 10/26/11	Time 1310
Received by <i>[Signature]</i>	Date 10-26-11	Time 1310
Sample Numbers <span style="float: right;">[All]</span>		

Sample Number	P54531-1		
QC Link			
Locator	A01007		
Short Loc Desc			
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH		
Site	SURCHARGE		
Comments			
Start Date/Time	10/25/11 @ 1053		
End Date/Time	10/26/11 @ 1053		
Time Span	24		
Sample Depth			
PERSONNEL	MP, DR		
SAMP INFO	del		
SAMP METH	01011, 66022, 90011		
SAMPLE CODE	FC, 2500 gal - 62,500 gal		
SAMPLE UNIT	25		
STORM/NON	N		
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB		

5422089

5421750

339

can't be right

ultrasonic head not connected for level sensing

Login: P54532

LDW Basin Study

Personnel: \_\_\_\_\_

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date 10/27/11	Time 1300
Received by <i>[Signature]</i>	Date 10-27-11	Time 1300
Sample Numbers		

[All]

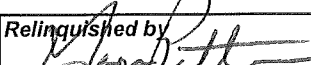
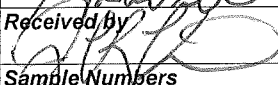
Sample Number	P54532-1		
QC Link			
Locator	A01007		
Short Loc Desc			
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH		
Site	SURCHARGE		
Comments			
Start Date/Time	10/26/11 @ 1110		
End Date/Time	10/27/11 @ 1117		
Time Span	24		
Sample Depth			
PERSONNEL	MP, DR		
SAMP INFO	del		
SAMP METH	01611, 66022, 90011		
SAMPLE CODE	FC; 1,500 gal > 52,500		
SAMPLE UNIT	35		
STORM/NON	N		
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL		

5451923  
 5422089  
 545  
 29,834  
 54585

ultrasonic head may be off

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## CHAIN OF CUSTODY

Relinquished by 	Date 11/2/11	Time 1145
Received by 	Date 11-2-11	Time 1145
Sample Numbers		

[All]

Sample Number	P54591-1		
QC Link			
Locator	A01007		
Short Loc Desc			
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH		
Site	SURCHARGE		
Comments	11/1/11 @ 0848		
Start Date/Time	11/2/11 @ 0900		
End Date/Time	24 1/4		
Time Span			
Sample Depth			
PERSONNEL	MP, DR		
SAMP INFO	del		
SAMP METH	01011, 66022, 90011		
SAMPLE CODE	FC; 2,000 gal		
SAMPLE UNIT	27		
STORM/NON	N		
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL		

Totalizer = 6151108  
 6095295  
 55813

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>David Robinson</i>	Date <i>010/26/2012</i>	Time <i>1545</i>
Received by <i>an li</i>	Date <i>1/26/2012</i>	Time <i>1548</i>
Sample Numbers <i>54687 1-3</i>		

[All]

Sample Number	P54687-1	P54687-2	P54687-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>1/25/2012 1508, 1415</i>	<i>1415, 1445</i>	<i>1445, 1508</i>
End Date/Time	<i>1/25/2012 2317, 2306</i>	<i>2317, 2257</i>	<i>2257, 2312</i>
Time Span	<i>9 8</i>	<i>8 9</i>	<i>8</i>
Sample Depth			
PERSONNEL	<i>12/6/1 M Patten, J. Droker</i> →		
SAMP INFO			
SAMP METH	<i>samplers &amp; flowmeters</i>		
SAMPLE CODE	<i>FC; 2,000 gal</i>	<i>FC; 2,500 gal</i>	<i>FC; 1,000 gal</i>
SAMPLE UNIT	<i>50/6050</i>	<i>5150/5060</i>	<i>50/50</i>
STORM/NON	<i>S</i>	→	
Dept, Matrix, Prod	3 LG DOC <i>96,000</i> 3 LG TOC <i>96,000</i> 3 LG TSS <i>meter: 98,600</i> 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 7 LG PCB-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB	<i>meter</i> 3 LG DOC <i>161,000</i> 3 LG TOC <i>161,400</i> 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 7 LG PCB-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 7 LG PCB-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB

DisVol: 100,000 gal

125,000 gal  
~~153,450~~

50,000 gal

9 no lig  
1 no more lig

654,540

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date 2/29/12	Time 1200
Received by <i>[Signature]</i>	Date 2/29/12	Time 1200
Sample Numbers <span style="float: right;">[All]</span>		

Sample Number	P55011-1	P55011-2	P55011-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	02/29/12 / 1030 → / 0950		→ / 1010
End Date/Time	02/29/12 / 1950 → / 2205		→ / 1808
Time Span	9.25 hrs	12.15 hrs	8 hrs
Sample Depth		25	
PERSONNEL	DR, CB	→	→
SAMP INFO	pulse ct: 2000	pulse ct: 3000	pulse ct: 200
SAMP METH	01012	01012	01012
SAMPLE CODE	FC	FC	FC
SAMPLE UNIT	60	60	60
STORM/NON	S	→	→
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG- 6 LG HG-I 6 LG NPD 6 LG NPDI 6 LG V-ICF 6 LG V-ICP 7 LG PAHP 7 LG PCB-S 10 LG EPA1 10 LG EPA1008PCB 120,000 735 1,303 165073	3 LG DOC 3 LG TOC 3 LG TSS CVA, DISS-L CVA-L ES ICPMS ES ICPMS, DISS MS MS, DISS HTH-SIM-LVI-LL IM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB 120,000 meter = 141,000 140,520	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVA, DISS-L 6 LG HG-CVA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPH-SIM-LVI-LL 7 LG PCB-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB 12,000 meter = 15,010

START Totalizer: 13471750 gal

END Totalizer: 13790244

\* Changed next sample  
 pulse ct: 4000 318,494

(1/1)

meter = 93,000  
 92,790

last pulse  
 C 3000  
 for next  
 sample.

93,000

2772 (x1000) GAL

2912 (x1000) GAL

140,000

changed pulse ct  
 to 400 for  
 next sample

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>Marc Pette</i>	Date <i>2/16/12</i>	Time <i>1435</i>
Received by <i>YRL</i>	Date <i>2/16/12</i>	Time <i>1435</i>
Sample Numbers <i>1, 3</i> [All]		

Sample Number	P55012-1	P55012-2	P55012-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>2/15/12 @ 1232</i>	<i>2/15/12 @ 1155</i>	<i>2/15/12 @ 1214</i>
End Date/Time	<i>2/16/12 @ 1225</i>		<i>2/16/12 @ 1017</i>
Time Span	<i>24</i>		<i>22</i>
Sample Depth			
PERSONNEL	<i>MP, DR, CB</i>		<i>MP, DR, CB</i>
SAMP INFO			
SAMP METH	<i>01011, 90011,</i>		<i>07011, 90011</i>
SAMPLE CODE	<i>FC; 2,000 gal</i>		<i>FC; 200 gal</i>
SAMPLE UNIT	<i>49</i>		<i>60</i>
STORM/NON	<i>N (.03")</i>		<i>N</i>
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB

Dis Vol: 100,071

Totalizer = 11361457  
 11261384  
 100,071

(1/1)

Flow meter = 79,460

Dis Vol: 14,840 m<sup>3</sup>

Totalizer: 1773  
 (24 hrs) 1747  
 24 x 1000  
 2,400  
 26,000

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>Margaret</i>	Date <i>3/27/12</i>	Time <i>1205</i>
Received by <i>DR</i>	Date <i>3-27-12</i>	Time <i>1205</i>
Sample Numbers <span style="float: right;">[All]</span>		

Sample Number	P55154-1	P55154-2	P55154-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>3/26/12 @ 1059</i>	<i>3/26/12 @ 1024</i>	<i>3/26/12 @ 1045</i>
End Date/Time	<i>3/27/12 @ 1055</i>	<i>3/26/12 @ 1846</i>	<i>3/27/12 @ 1038</i>
Time Span	<i>24</i>	<i>8.25</i>	<i>24</i>
Sample Depth			
PERSONNEL	<i>MP, DR</i>	→	
SAMP INFO			
SAMP METH	<i>01011, 66022, 90011</i>	→	
SAMPLE CODE	<i>FC; 3,000 gal</i>	<i>FC; <sup>2,000</sup> 3,000 gal</i>	<i>FC; 600 gal</i>
SAMPLE UNIT	<i>27</i>	<i>60</i>	<i>15</i>
STORM/NON	<i>N</i>	→	
Dept, Matrix, Prod	3 LF DOC ✓ 3 LF TOC ✓ 3 LF TSS ✓ 6 LF HG-CVAA, DISS-L ✓ 6 LF HG-CVAA-L ✓ 6 LF NPDES ICPMS ✓ 6 LF NPDES ICPMS, DISS ✓ 6 LF V-ICPMS ✓ 6 LF V-ICPMS, DISS ✓ 7 LF PAHPHTH-SIM-LVI-LL ✓ 7 LF PCB-SIM-LVI-LL ✓ 10 LF EPA1613BDIOXIN ✓ 10 LF EPA1668PCB ✓	3 LF DOC ✓ 3 LF TOC ✓ 3 LF TSS ✓ 6 LF HG-CVAA, DISS-L ✓ 6 LF HG-CVAA-L ✓ 6 LF NPDES ICPMS ✓ 6 LF NPDES ICPMS, DISS ✓ 6 LF V-ICPMS ✓ 6 LF V-ICPMS, DISS ✓ 7 LF PAHPHTH-SIM-LVI-LL ✓ 7 LF PCB-SIM-LVI-LL ✓ 10 LF EPA1613BDIOXIN ✓ 10 LF EPA1668PCB ✓	3 LF DOC ✓ 3 LF TOC ✓ 3 LF TSS ✓ 6 LF HG-CVAA, DISS-L ✓ 6 LF HG-CVAA-L ✓ 6 LF NPDES ICPMS ✓ 6 LF NPDES ICPMS, DISS ✓ 6 LF V-ICPMS ✓ 6 LF V-ICPMS, DISS ✓ 7 LF PAHPHTH-SIM-LVI-LL ✓ 7 LF PCB-SIM-LVI-LL ✓ 10 LF EPA1613BDIOXIN ✓ 10 LF EPA1668PCB ✓

Totalizer: *20933461*  
*20850072*  


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*83389*

*meter = 59,000*

*meter = 123,000*

Totalizer: *6582*  
*6573*  


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*9 (x1000)*

*meter = 10,530*

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>David Bolman</i>	Date <i>4/10/12</i>	Time <i>1107</i>
Received by <i>A</i>	Date <i>4/10/12</i>	Time <i>1107</i>
Sample Numbers <i>55183 (1-3)</i>		[All]

Sample Number	P55183-1	P55183-2	P55183-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>4/9/2012 1101</i>	<i>0938</i>	<i>1031</i>
End Date/Time	<i>4/10/2012 stopped 1000</i>	<i>stopped 930</i>	<i>0922</i>
Time Span	<i>23</i>	<i>24</i>	<i>23</i>
Sample Depth			
PERSONNEL	<i>DR LCB</i>		
SAMP INFO			
SAMP METH	<i>01012 &amp; flow meter</i>		
SAMPLE CODE	<i>FC, 2500 gals</i>	<i>FC, 6500 gals</i>	<i>FC, 2000 gals</i>
SAMPLE UNIT	<i>30</i>	<i>17</i>	<i>60</i>
STORM/NON	<i>N</i>		
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL <del>7 LF PCB-SIM-LVI-LL</del> 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL <del>7 LF PCB-SIM-LVI-LL</del> 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL <del>7 LF PCB-SIM-LVI-LL</del> 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB

meter:

49,510

107,780

12,190



Login: P55184

LDW Basin Study

Personnel: \_\_\_\_\_

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>David B. B...</i>	Date <i>4/11/12</i>	Time <i>11 23</i>
Received by <i>QA</i>	Date <i>4/11/12</i>	Time <i>11 23</i>
Sample Numbers <i>55184 1-3</i>		

[All]

Sample Number	P55184-1	P55184-2	P55184-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>4/10/2012 1004</i>	<i>0940</i>	<i>0953</i>
End Date/Time	<i>4/11/2012 killed @ 1015</i>	<i>killed 0940</i>	<i>0812</i>
Time Span	<i>24.25</i>	<i>24</i>	<i>22.25</i>
Sample Depth			
PERSONNEL	<i>DR/CB</i>		
SAMP INFO			
SAMP METH	<i>1902</i>		
SAMPLE CODE	<i>FC; 1500</i>	<i>FC; 2500</i>	<i>FC; 200</i>
SAMPLE UNIT	<i>9</i>	<i>41</i>	<i>60 SE actually 2160</i>
STORM/NON	<i>N</i>		
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 7 LF PCB-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB

*13,500**meter = 48,470**102,500**107,580**12,000**11,930*

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>David Robinson</i>	Date <i>3/28/12</i>	Time <i>1135</i>
Received by <i>A C</i>	Date <i>3/28/12</i>	Time <i>1135</i>
Sample Numbers <i>55185 - (1-3)</i>		

[All]

Sample Number	P55185-1	P55185-2	P55185-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>3/27/2012</i> <i>1100</i>	<i>1049</i>	<i>1045</i>
End Date/Time	<i>3/27</i> <i>1916</i>	<i>3/28/12</i> <i>0135</i>	<i>3/27</i> <i>1756</i>
Time Span	<i>8 hrs</i>	<i>15 hrs</i>	<i>7 hrs</i>
Sample Depth	<i>25</i>		
PERSONNEL	<i>DR / CB</i>		
SAMP INFO			
SAMP METH	<i>01012 &amp; flows</i>	<i>66022, 90011</i>	
SAMPLE CODE	<i>FC; 22,000 gals</i>	<i>FC; 10,000</i>	<i>FC; 300 gals</i>
SAMPLE UNIT	<i>69</i>	<i>89</i>	<i>58</i>
STORM/NON	<i>S</i>		
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 7 LG PCB-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 7 LG PCB-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 7 LG PCB-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB

meter: 97,860

498,000

18,730

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>David Blumson</i>	Date <i>3/1/2012</i>	Time <i>1005</i>
Received by <i>ARK</i>	Date <i>3-1-12</i>	Time <i>1005</i>
Sample Numbers		

(A11)

Sample Number	P55186-1	P55186-2	P55186-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>2/27/2012 Leap Day @ 1050</i>	<i>1012</i>	<i>1039</i>
End Date/Time	<i>3/1/2012 35/60 at 0840</i>	<i>2/29/2012 1226</i>	<i>1151</i>
Time Span	<i>23 + ...</i>	<i>2:14 25</i>	<i>1:12 25</i>
Sample Depth			
PERSONNEL	<i>ARK / CB</i>		
SAMP INFO	<i>Very difficult to get these dialed in.</i>		
SAMP METH	<i>01012 + Flow</i>		
SAMPLE CODE	<i>FC, 4000 gals</i>	<i>FC, 2,000 gals</i>	<i>FC, 100 gals</i>
SAMPLE UNIT	<i>35</i>	<i>59</i>	<i>58</i>
STORM/NON	<i>S</i>		
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS  <i>134</i> <i>3.305</i> <i>307549</i>	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 7 LG PCB-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 7 LG PCB-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB

Partial  
Sample  
only

55186  
motor = 102,000

Also  
Way  
Too fast  
does not make  
sense

Totalizer  
at check  
= 2965 (x1000) gals  
2.965 mgal

Full Bottle  
Way too  
Fast.

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>David Robinson</i>	Date <i>3/29/12</i>	Time <i>12</i>
Received by <i>dy a</i>	Date <i>3/29/12</i>	Time <i>1200</i>
Sample Numbers <i>55285 2 &amp; 3</i>		

[All]

Sample Number	P55285-1	P55285-2	P55285-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time		<i>3/29/2012 0935</i>	<i>0954</i>
End Date/Time		<i>3/29/2012 0700</i>	<i>0323</i>
Time Span		<i>21:30</i>	<i>17:30</i>
Sample Depth			
PERSONNEL		<i>PR/CBIMP</i>	
SAMP INFO		<i>60/60</i>	<i>60/60</i>
SAMP METH		<i>10002 + Flow</i>	
SAMPLE CODE		<i>FC; 10,000gal</i>	<i>FC; 600</i>
SAMPLE UNIT		<i>60</i>	<i>60</i>
STORM/NON		<i>S</i>	
Dept, Matrix, Prod			
	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL <del>7 LG PCB-SIM-LVI-LL</del> 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL <del>7 LG PCB-SIM-LVI-LL</del> 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL <del>7 LG PCB-SIM-LVI-LL</del> 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB

Totalizer: 21915161  
 21222124  
 693037(x1)

Totalizer: 6944  
 6612  
 332 (x1000)

meter = 578,400

37,680

meter: 578,400

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by	Date 4-12-12	Time 1110
Received by	Date 4/12/12	Time 1100
Sample Numbers		

[All]

Sample Number	P55433-1	P55433-2	P55433-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	04/11/12 / 1024	04/11/12 / 0954	04/11/12 / 1009
End Date/Time	04/11/12 / 1821	04/12/12 / 0500	04/11/12 / 1602
Time Span	8 hrs	19 hrs	6 hrs
Sample Depth			
PERSONNEL	DR/CR	→	→
SAMP INFO		57/60 CR	
SAMP METH	01012, Fluvial	→	→
SAMPLE CODE	FL; 1500 gal	FL; 6500 gal	FL; 300 gal
SAMPLE UNIT	60/60	*57/60	*56/60
STORM/NON	S	S	S
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL 10 LG EPA1613BDIOXIN 10 LG EPA1668PCB

24654320 gal

meter = 68,030

\*no liquid  
detected, but  
finished  
151,340

86536 gal

\*no liquid detected,  
but finished.  
17,880

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>David Robinson</i>	Date <i>4/24/12</i>	Time <i>1042</i>
Received by <i>ML</i>	Date <i>4/24/12</i>	Time <i>1042</i>
Sample Numbers <i>55511 - (1-3)</i>		

[All]

Sample Number	P55511-1	P55511-2	P55511-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>4/23/2012 0925</i>	<i>0852</i>	<i>0911</i>
End Date/Time	<i>4/24/2012 0340</i>	<i>0626</i>	<i>4/23/2012 2202</i>
Time Span	<i>18.5</i>	<i>21.5</i>	<i>13</i>
Sample Depth			
PERSONNEL	<i>DR/ICB</i>		
SAMP INFO	<i>60/60 @ 1,500 gal pulse</i>	<i>60/60 1,500 gal pulse</i>	<i>60/60 @ 1,500 gal</i>
SAMP METH	<i>01012 &amp; flow</i>		
SAMPLE CODE	<i>FC; 1500 gal</i>	<i>FC; 1500</i>	<i>FC; 150 gal</i>
SAMPLE UNIT	<i>60</i>	<i>60</i>	<i>60</i>
STORM/NON	<i>N</i>		
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL

Beginning  
Totalizer = 26299804 gal

= 8604 k gal

End  
Totalizer = 26373614 gal

= 8617 k gal

73,810

13,000

meter = 37,260

91,120

7,320

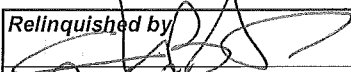

Login: P55512

LDW Basin Study - Storms

Personnel: \_\_\_\_\_

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by 	Date 4.25-12	Time 1051
Received by 	Date 4-25-12	Time 1051
Sample Numbers		

[All]

Sample Number	P55512-1	P55512-2	P55512-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	4.24.12/0930	4.24.12/0902	4/24/12/0916
End Date/Time	4.24.12/2307	4.25.12/0210	4/25/12/0032
Time Span	13 1/2 hrs	17.08 hrs	15 1/4 hrs
Sample Depth			
PERSONNEL	DR/CB	→	→
SAMP INFO			
SAMP METH	FC; 1000	FC; 2500	FC; 275
SAMPLE CODE	01012	01012	01012
SAMPLE UNIT	60	60	60
STORM/NON	S*	S*	S*
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL

Totalizer:

Start: 26373614 gal

END: 26607765 GAL

meter: 37,940

158,800

Start: 8617 (x1000) gal  
 End 8721 (x1000) gal  
 104  
 17,400

\* Marginal storm conditions → 0.17 inch Rain at time of sampling. Samples did not smell like storm water. Ripe as Ripe can be. Baseflow vs. Storm ???

Login: P55572

LDW Basin Study - Wet Baseflow

Personnel: \_\_\_\_\_

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date <i>5/8/12</i>	Time <i>1120</i>
Received by <i>[Signature]</i>	Date <i>5-8-12</i>	Time <i>1120</i>
Sample Numbers <i>1, 3</i>		

[All]

Sample Number	P55572-1	P55572-2	P55572-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			<i>5/7/12 @ 0900</i>
Start Date/Time	<i>5/7/12 @ 0915</i>		<i>5/8/12 @ 0900</i>
End Date/Time	<i>5/7/12 @ 2006</i>		<i>24</i>
Time Span	<i>11</i>		
Sample Depth			
PERSONNEL	<i>DR, CB, MP</i>		<i>DR, CB, MP</i>
SAMP INFO	<i>del</i>		
SAMP METH	<i>01011, 90011</i>		<i>BA 01011, 90011</i>
SAMPLE CODE	<i>FC; 750 gal</i>		<i>FC; 200 gal</i>
SAMPLE UNIT	<i>60</i>		<i>17</i>
STORM/NON	<i>N</i>		<i>N</i>
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL 10 LF EPA1613BDIOXIN 10 LF EPA1668PCB	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL

DisVol: 28,650

6580



Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date 4.26.2012	Time 1115
Received by <i>[Signature]</i>	Date 4.26.12	Time 1115
Sample Numbers <span style="float: right;">(All)</span>		

Sample Number	P55584-1	P55584-2	P55584-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	04/25/12 / 0928	→ / 0859	→ / 0914
End Date/Time	04/25/12 / 2256	04/26/12 / 0000	04/25/12 / 1902
Time Span*	13.5 hrs	15 hrs	10 hrs 9.75
Sample Depth			
PERSONNEL	CB/DR	→	→
SAMP INFO			
SAMP METH	01012, Flow Mt	01012, Flow Mt	01012, Flow Mt.
SAMPLE CODE	FC; 5000	FC; 10,000	FC; 1000
SAMPLE UNIT	60/60	*55/60	60/60
STORM/NON	S	S	S
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL

Totalizer Start: 26607765 gal  
 END: 27163313 gal

\*Power Failure  
 ERRORS @  
 1935. then  
 Program resumed  
 @ 1935.

Start: 8721 (K) gal  
 End: 1902 (K) gal

\* Even though we jacked up the Flow, we still did not get the duration we would have liked. Too much rain? Too much discharging? Anyways we got what we got.

(1/1) motor a 254,520 538,160 59,270 -03

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>David Poline</i>	Date <i>5/22/2012</i>	Time <i>1042</i>
Received by <i>K. Q.</i>	Date <i>5/22/12</i>	Time <i>1042</i>
Sample Numbers <i>55638 1-3</i>		

Sample Number	P55638-1	P55638-2	P55638-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>5/21/2012 0912</i>	<i>5/21 0841</i>	<i>5/22/12 0900</i>
End Date/Time	<i>5/21 1717</i>	<i>5/21 1752</i>	<i>5/22/12 0900</i>
Time Span	<i>8 hrs</i>	<i>9 1/4 hrs</i>	<i>24 hrs</i>
Sample Depth		<i>9 1/4</i>	
PERSONNEL	<i>DR/CB</i>		
SAMP INFO	<i>Pacing 5,000 gal 60/60 collected</i>	<i>Pacing 10,500 gal 60/60</i>	<i>Pacing 750 gal 45/60</i>
SAMP METH	<i>0100A + flow 3</i>		
SAMPLE CODE	<i>FC; 5K pulse</i>	<i>FC; 10.5K pulse</i>	<i>FC; 750 gal pulse</i>
SAMPLE UNIT	<i>60</i>	<i>60</i>	<i>45</i>
STORM/NON	<i>S</i>		
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL

Dis Vol:  
enter in S&T Info  
est: 300,000  
flow meter calc's  
failed  
from 5/16 @ 0725  
to 5/22 @ 0650

642,880

38,980

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date <i>5/9/12</i>	Time <i>1611</i>
Received by <i>[Signature]</i>	Date <i>5/9/12</i>	Time <i>1011</i>
Sample Numbers <i>55686 (1-3)</i>		

Sample Number	P55686-1	P55686-2	P55686-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>5/8/2012 1010</i>	<i>1429</i>	<i>0940</i>
End Date/Time	<i>5/9/2012 0816</i>	<i>1428</i>	<i>0940</i>
Time Span	<i>22</i>	<i>24</i>	<i>24</i>
Sample Depth			
PERSONNEL	<i>MP/CP/OR</i>		
SAMP INFO	<i>60/60</i>	<i>55/60</i>	<i>46/60 150gal pulse</i>
SAMP METH	<i>010.57/ Flow pacing equipment</i>		
SAMPLE CODE	<i>FC; 1200 gals (?)</i>	<i>FC; 1600 gal</i>	<i>FC; 150gal</i>
SAMPLE UNIT	<i>60</i>	<i>55 59</i>	<i>46 49</i>
STORM/NON	<i>N</i>		
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPSMS 6 LF NPDES ICPSMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPSMS 6 LF NPDES ICPSMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPSMS 6 LF NPDES ICPSMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPHTH-SIM-LVI-LL

power lost  
10:11  
power restored  
10:11

missed 4  
no more  
liquid  
Waiting on  
GO

missed 3  
Samples  
Dis Vol: 7520

Dis Vol: 44530

Dis Vol: 94480

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date 6-21-2012	Time 1503
Received by <i>[Signature]</i>	Date 6/21/12	Time 1503
Sample Numbers		

[AII]

Sample Number	P55698-1		
QC Link			
Locator	BRANDREG		
Short Loc Desc	MH063-050		
Locator Desc	ACCESS PORT AT BRANDONG REGULATOR		
Site	FACILITIES		
Comments			
Start Date/Time	6/20/12 1433		
End Date/Time	6/21/12 1411		
Time Span	23.45 hr		
Sample Depth			
PERSONNEL	DR   CB, SH		
SAMP INFO	1 no lig detect		
SAMP METH			
SAMPLE CODE	? FC; 3 kgal		
SAMPLE UNIT	53		
STORM/NON	N		
Dept, Matrix, Prod	3 LF DOC 3 LF TOC 3 LF TSS 6 LF HG-CVAA, DISS-L 6 LF HG-CVAA-L 6 LF NPDES ICPMS 6 LF NPDES ICPMS, DISS 6 LF V-ICPMS 6 LF V-ICPMS, DISS 7 LF PAHPH-SIM-LVI-LL		

collected 56 of 70 samples  
missed one sample due  
to liquid non-detect  
missed 13 by halting.

Dis Vol : 119,780

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>Marc Patti</i>	Date <i>5/23/12</i>	Time <i>1143</i>
Received by <i>BRK</i>	Date <i>5-23-12</i>	Time <i>1143</i>
Sample Numbers		

[All]

Sample Number	P55763-1	P55763-2	P55763-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>5/22/12 @ 0925</i>	<i>5/22/12 @ 0932</i>	<i>5/22/12 @ 0914</i>
End Date/Time	<i>5/23/12 @ 0925</i>	<i>5/23/12 @ 0908</i>	<i>5/22/12 @ 1757</i>
Time Span	<i>24</i>	<i>23 1/2</i>	<i>8 3/4</i>
Sample Depth			
PERSONNEL	<i>DR, CB, MP, BK</i>	<i>—————→</i>	
SAMP INFO	<i>del</i>	<i>—————→</i>	
SAMP METH	<i>01011, 66022, 90011</i>	<i>—————→</i>	
SAMPLE CODE	<i>FC; 5,000 gal</i>	<i>FC; 10,500 gal</i>	<i>FC; 750 gal</i>
SAMPLE UNIT	<i>30</i>	<i>19</i>	<i>60</i>
STORM/NON	<i>S</i>	<i>S</i>	<i>S</i>
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL

Dis Vol: *122,030**176,960**30,060*

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>Mark Patten</i>	Date <i>6/5/12</i>	Time <i>1220</i>
Received by <i>DR</i>	Date <i>6-5-12</i>	Time <i>1220</i>
Sample Numbers		

(AII)

Sample Number	P55764-1	P55764-2	P55764-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	<i>6/4/12 @ 0855</i>	<i>6/4/12 @ 0805</i>	<i>6/4/12 @ 0840</i>
End Date/Time	<i>6/5/12 @ 0417</i>	<i>6/5/12 @ 0512</i>	<i>6/5/12 @ 0350</i>
Time Span	<i>19 1/4</i>	<i>21</i>	<i>19</i>
Sample Depth			
PERSONNEL	<i>DR, SH, MP, BK</i>	<i>del this only</i>	
SAMP INFO	<i>del this only</i>		
SAMP METH	<i>01011, 66022, 90011</i>		
SAMPLE CODE	<i>FC; 2,000 gal</i>	<i>FC; 4,500 gal</i>	<i>FC; 350 gal</i>
SAMPLE UNIT	<i>40/70</i>	<i>70/70</i>	<i>68/70</i>
STORM/NON	<i>S</i>		
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC <i>2 no lig</i> 3 LG TOC 3 LG TSS <i>5 no more lig</i> 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL

*30 no lig detected**DisVol: 133,090**336,630**31,900*

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>David R. Jones</i>	Date <i>6/6/12</i>	Time <i>1309</i>
Received by <i>R. R.</i>	Date <i>6/8/12</i>	Time <i>1309</i>
Sample Numbers <i>55859 (2-3)</i>		[All]

Sample Number	P55859-1	P55859-2	P55859-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments		<i>6/5/2012 0905</i> →	<i>0931</i>
Start Date/Time		<i>6/5/2012 1617</i> →	<i>1242</i>
End Date/Time			
Time Span		<i>7 1/4 hrs</i>	<i>3 1/4 hrs</i>
Sample Depth			
PERSONNEL		<i>MP/DR/CB</i> →	
SAMP INFO		<i>del</i> →	
SAMP METH		<i>66022, 90011</i> →	
SAMPLE CODE		<i>0101R &amp; flows</i> →	
SAMPLE UNIT		<i>FC; @4500gals 70/70</i>	<i>FC; 500gals 70/70</i>
STORM/NON		<i>S</i> →	
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL

DisVol: 333,890

36,740

Login: P55875

LDW Basin Study - Storms

Personnel: \_\_\_\_\_

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>[Signature]</i>	Date 6/7/2012	Time 1215
Received by <i>[Signature]</i>	Date 6-7-12	Time 1215
Sample Numbers 55875 283		[All]

Sample Number	P55875-2	P55875-3	
QC Link			
Locator	BRANDREG	BRANDUTAH	
Short Loc Desc	MH063-050	MH063-073	
Locator Desc	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U	
Site	FACILITIES	FACILITIES	
Comments			
Start Date/Time	6/6/2012 → 0934	0953	
End Date/Time	6/7/2012 → 0934	0633	
Time Span	24hrs	2 1/2 hrs	
Sample Depth			
PERSONNEL			
SAMP INFO	58/70 del	30/70 →	
SAMP METH	01012	01012	
SAMPLE CODE	FC; 10kgds	FC; 600gds	
SAMPLE UNIT	58	70	
STORM/NON	S ←	→	
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL	

Dis Vol: 414,420

106,390



Login: P55876

LDW Basin Study - Storms

Personnel: MP, DR

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <u>MP</u>	Date <u>6/8/12</u>	Time <u>1210</u>
Received by <u>DR</u>	Date <u>8/8/12</u>	Time <u>0210</u>
Sample Numbers		

[All]

Sample Number	P55876-1	P55876-2	P55876-3
QC Link			
Locator	A01007	BRANDREG	BRANDUTAH
Short Loc Desc		MH063-050	MH063-073
Locator Desc	LOCATED ON EAST SIDE OF E. MARGINAL WAY NORTH	ACCESS PORT AT BRANDONG REGULATOR	BRANDON ST SOUTH NEAR THE INTERSECTION WITH U
Site	SURCHARGE	FACILITIES	FACILITIES
Comments			
Start Date/Time	6/7/12 @ 1052	6/7/12 @ 1102	6/7/12 @ 1043
End Date/Time	6/8/12 @ 1034	6/8/12 @ 1000	6/7/12 @ 1414
Time Span	23.75	23	3.5
Sample Depth			
PERSONNEL	DR, SO, MP MP, DR	→	
SAMP INFO	23 no lig, late at	marginal volume	5 no lig, 1 no more
SAMP METH	01011, 66022, 90011	→	
SAMPLE CODE	FC; 5,000 gal	FC; 10,000 gal	FC; 600 gal
SAMPLE UNIT	19/70 22/70 H2	29/70	64/70 70
STORM/NON	S	S	S
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L del 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS del 6 LG V-ICPMS 6 LG V-ICPMS, DISS del 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L del 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS del 6 LG V-ICPMS 6 LG V-ICPMS, DISS del 7 LG PAHPHTH-SIM-LVI-LL	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL

Dis Vol: 197,500

341,060

45,360

Project: 423589-320-4

## CHAIN OF CUSTODY

Relinquished by <i>David Bonser</i>	Date <i>6/19/12</i>	Time <i>1047</i>
Received by <i>DKL</i>	Date <i>6-19-12</i>	Time <i>1047</i>
Sample Numbers <i>55936-2</i>		[All]

Sample Number	L55936-2		
QC Link			
Locator	BRANDREG		
Short Loc Desc	MH063-050		
Locator Desc	ACCESS PORT AT BRANDONG REGULATOR		
Site	FACILITIES		
Comments			
Start Date/Time	<i>6/18/2012</i> <i>0823</i>		
End Date/Time	<i>6/18</i> <i>1303</i>		
Time Span	<i>4.5 hrs</i>		
Sample Depth			
PERSONNEL	<i>ORAB</i>		
SAMP INFO	<i>3,000 gal pulse Thought the shower would be less &amp; go to base flow faster.</i>		
SAMP METH	<i>01012 - flow wave</i>		
SAMPLE CODE	<i>FC, 3k/pulse</i>		
SAMPLE UNIT	<i>70/70</i>		
STORM/NON	<i>S</i>		
Dept, Matrix, Prod	3 LG DOC 3 LG TOC 3 LG TSS 6 LG HG-CVAA, DISS-L 6 LG HG-CVAA-L 6 LG NPDES ICPMS 6 LG NPDES ICPMS, DISS 6 LG V-ICPMS 6 LG V-ICPMS, DISS 7 LG PAHPHTH-SIM-LVI-LL		

Dis Vol: 538,160