

C-11-IV.0 QUALITY ASSURANCE/QUALITY CONTROL

Analyses from the Quality Assurance/Quality Control program results indicate that:

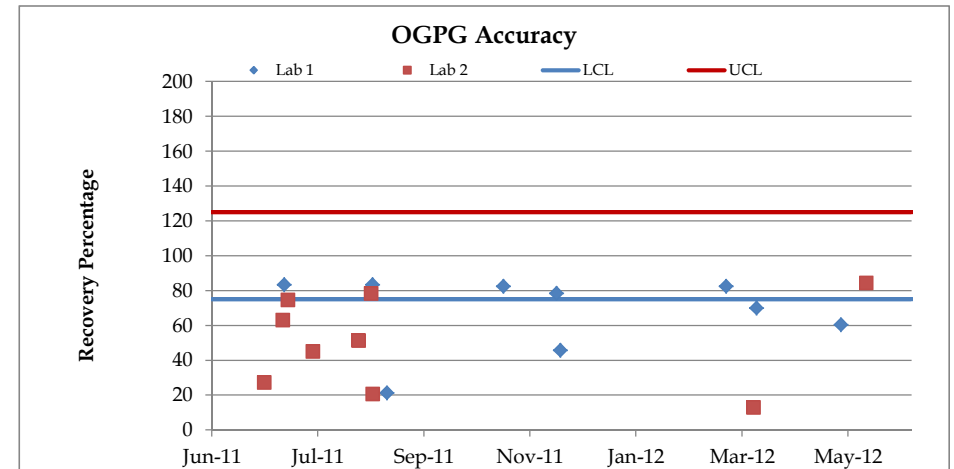
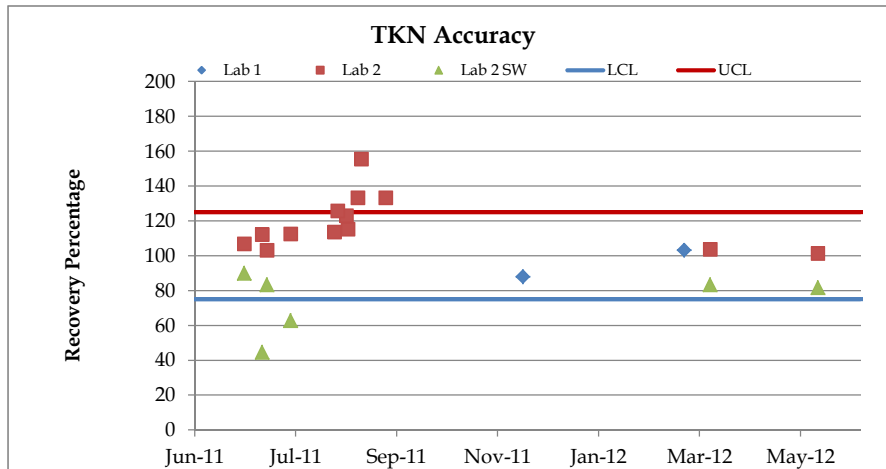
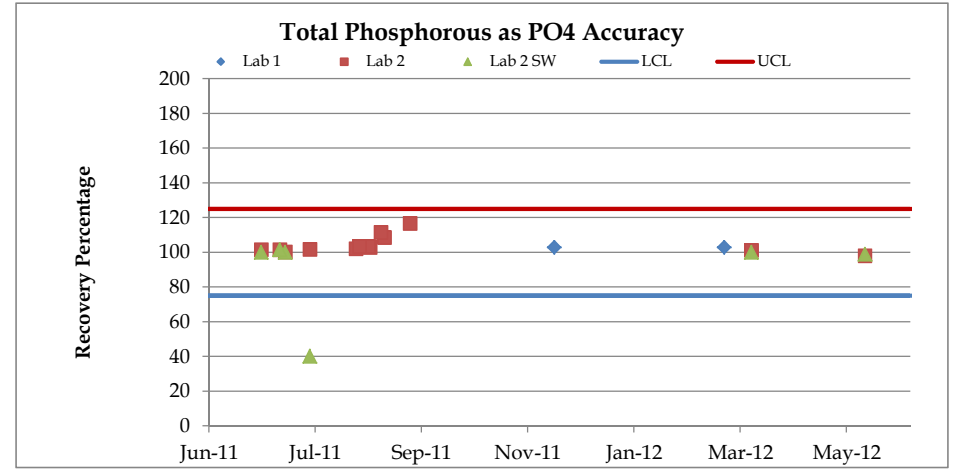
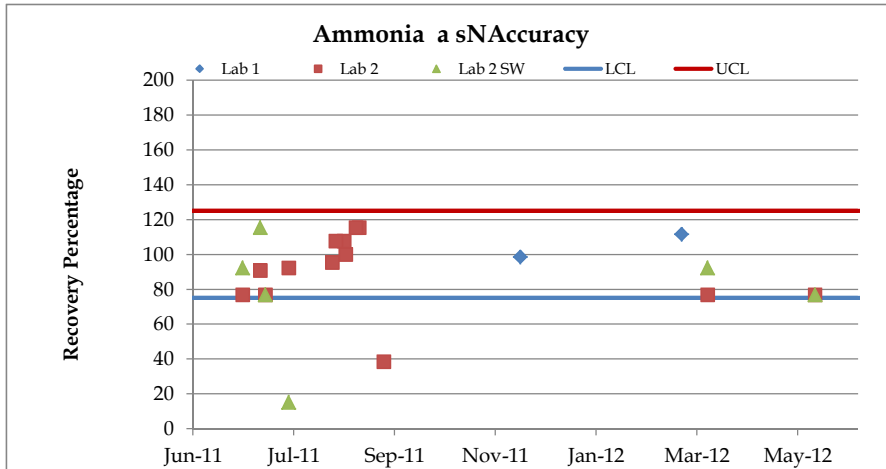
- The majority of pathogen indicator bacteria accuracies were within bounds of the control limits with total coliform accuracies having less scatter than fecal coliform bacteria. Pathogen indicator bacteria precisions were generally within bounds of the control limits with the highest range of scatter occurring for *Enterococcus*.
- The recoveries for duplicate analyses for nutrients were generally acceptable with most of the results remaining within control bounds. The majority of out of bounds results occurred for total suspended solids (TSS) and turbidity. Total kjeldahl nitrogen (TKN) precision recoveries had a few outliers for saltwater matrices.
- Accuracy results for oil and grease analyses trended low throughout the year. Recoveries from two contract labs returned similar results prompting an ongoing investigatory QA/QC study.
- Trace metal precision and accuracy results were generally within bounds with the majority of outliers occurring for antimony, beryllium and thallium in a saltwater matrix. Trace metals tended to have the best overall performance in terms of having the least amount and range of scatter associated with the analytical results.
- Organophosphorous Pesticides (OPP) returned accuracies which tended to have large and varied scatter. An investigation was established in order to determine the cause of the scatter. Findings showed the standard had expired in October 2011. Although the expired standard can account for the results after October the investigation did not yield any findings into the results prior to the expiration date.
- Trip blanks as well as equipment blanks for nutrients and trace metals were generally within bounds of the non-detect limit. The majority of outliers for trace metals occurred for saltwater matrices using a Suprapur and Nanopure synthetic solution. The majority of these detects were for zinc, iron, copper and lead. The majority of detects for nutrients occurred for total organic carbon (TOC). The contract lab tasked with the TOC analyses was switched mid-year and produced better results.

Quality Assurance/Quality Control Annual QA/QC Summary Sheet

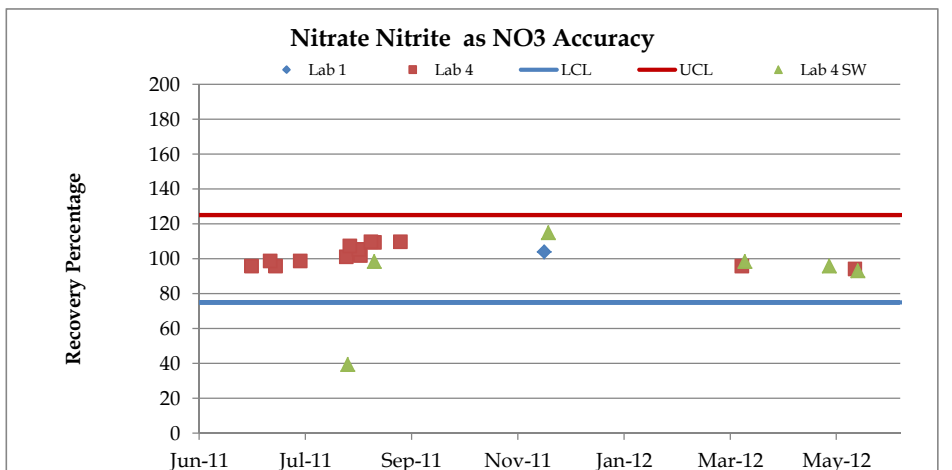
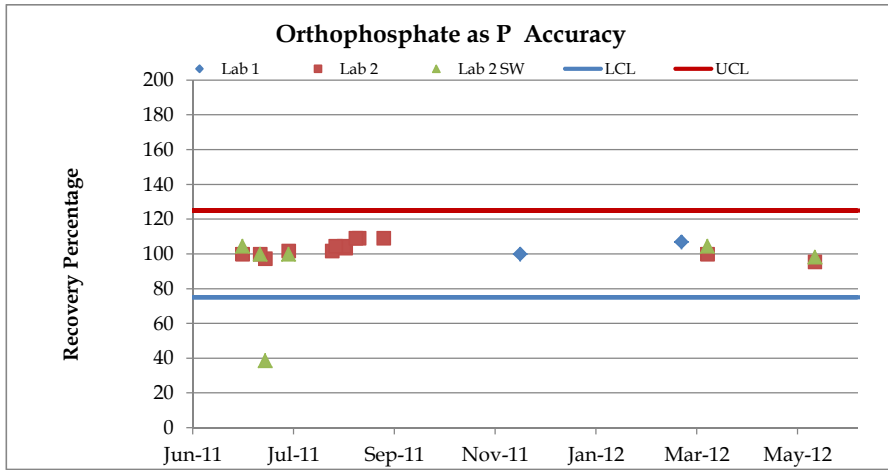
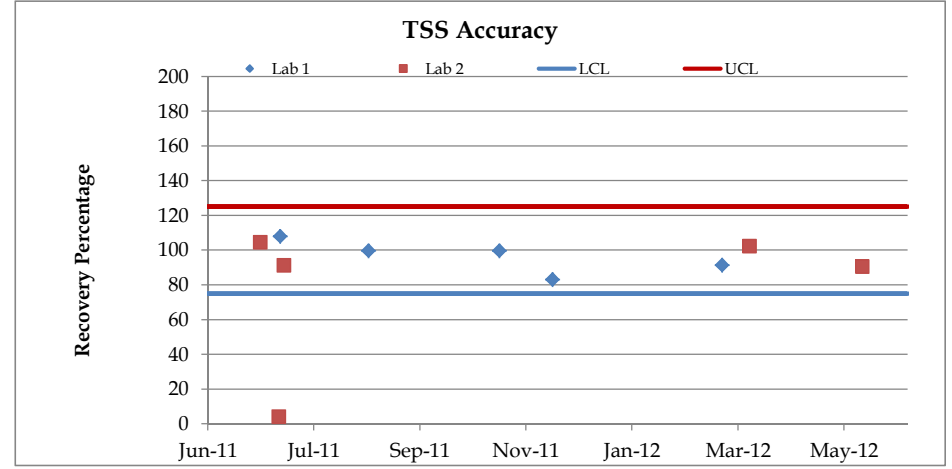
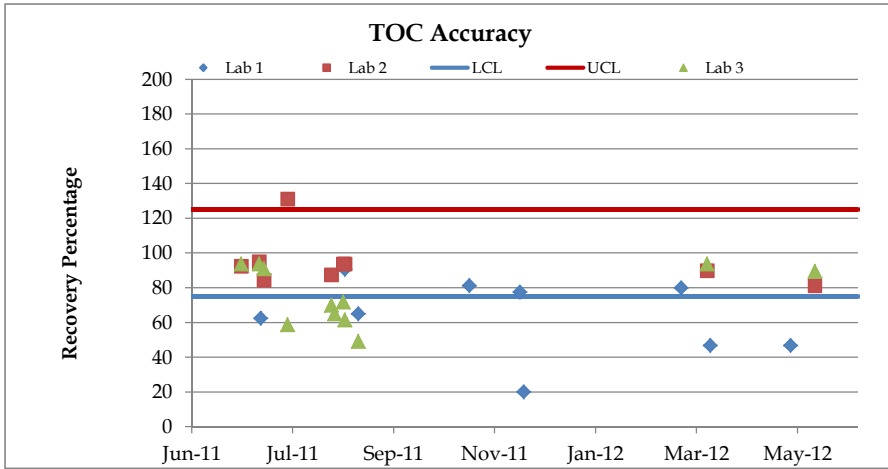
	Total	Bacteria Indicators c (TC, FC, ENT, Bacteriodes, FCO)		Biological Oxygen Demand (BOD)		Chemical Oxygen Demand (COD)		Dissolved Organic Carbon (DOC)		Glyphosate		Chloride & Sulfate	General Minerals	Methylene-Blue Surfactants		Nitrite as N	Nutrients		Oil and Grease		Organophosphate Pesticides		Pesticides (OrganoChlorides, FW)
		FW	SW	FW	SW	FW	SW	FW	SW	FW	SW	FW	FW	FW	SW	FW	FW	SW	FW	SW	FW	SW	FW
Total Number of Samples	6441	1848	1794	89	16	89	16	128	53	103	71	398	21	60	18	20	445	138	422	30	560	94	28
Duplicates	238	104	6	2	2	2	2	6	5	5	5	140	2	1	2	2	21	7	14	3	26	7	0
Synthetics	83	15	5										1	1	1		14	6	15		21	4	0
Equipment Blanks	88	14		1		1				6	1	10	1	1		1	14	1	13		23	1	0
Trip Blanks	396	205	6	7		7				11	5	34	3	7		2	34	7	24	1	35	5	3
Percent QA Samples	12.5	18.3	0.9	11.2	12.5	11.2	12.5	4.7	9.4	21.4	15.5	46.2	33.3	16.7	16.7	25.0	18.7	15.2	15.6	13.3	18.8	18.1	10.7
Duplicates	3.7	5.6	0.3	2.2	12.5	2.2	12.5	4.7	9.4	4.9	7.0	35.2	9.5	1.7	11.1	10.0	4.7	5.1	3.3	10.0	4.6	7.4	0.0
Synthetics	1.3	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.7	5.6	0.0	3.1	4.3	3.6	0.0	3.8	4.3	0.0
Equipment Blanks	1.4	0.8	0.0	1.1	0.0	1.1	0.0	0.0	0.0	5.8	1.4	2.5	4.8	1.7	0.0	5.0	3.1	0.7	3.1	0.0	4.1	1.1	0.0
Trip Blanks	6.1	11.1	0.3	7.9	0.0	7.9	0.0	0.0	0.0	10.7	7.0	8.5	14.3	11.7	0.0	10.0	7.6	5.1	5.7	3.3	6.3	5.3	10.7

	Pyrethroid Pesticides		Semi Volatile Organic	Total Dissolved Solids		Total Organic Carbon		Trace Metals & Rare Earth Metals		Total Suspended Solids	
	FW	SW	FW	FW	SW	FW	SW	FW	SW	FW	SW
Total Number of Samples	96	27	8	108	9	566	118	267	174	281	31
Duplicates	2	3		3	1	20	9	10	14	12	2
Synthetics				3		21	6		5	7	1
Equipment Blanks	3	1		1		18		4	1	11	1
Trip Blanks	9	1	1	8		35	6	13	5	10	2
Percent QA Samples	14.6	18.5	12.5	13.9	11.1	16.6	17.8	10.1	14.4	14.2	19.4
Duplicates	2.1	11.1	0.0	2.8	11.1	3.5	7.6	3.7	8.0	4.3	6.5
Synthetics	0.0	0.0	0.0	2.8	0.0	3.7	5.1	0.0	2.9	2.5	3.2
Equipment Blanks	3.1	3.7	0.0	0.9	0.0	3.2	0.0	1.5	0.6	3.9	3.2
Trip Blanks	9.4	3.7	12.5	7.4	0.0	6.2	5.1	4.9	2.9	3.6	6.5

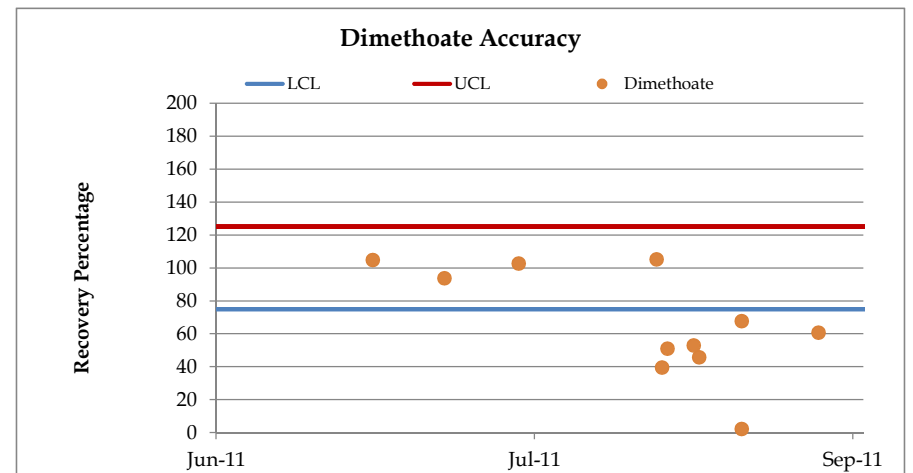
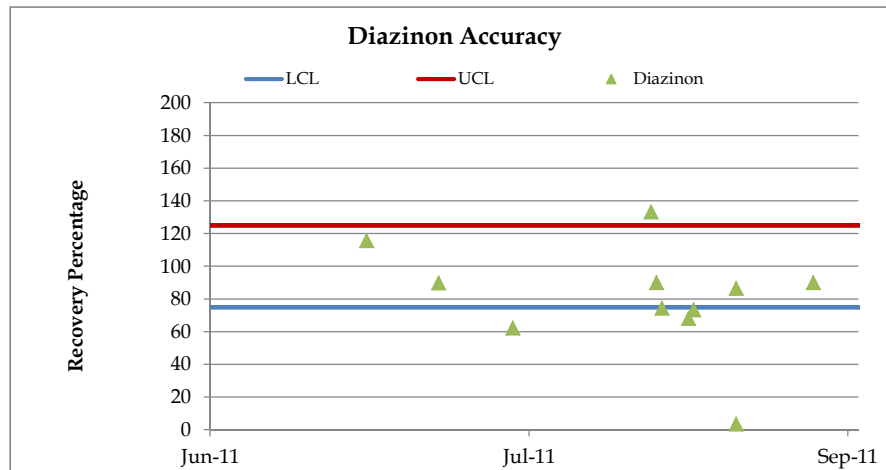
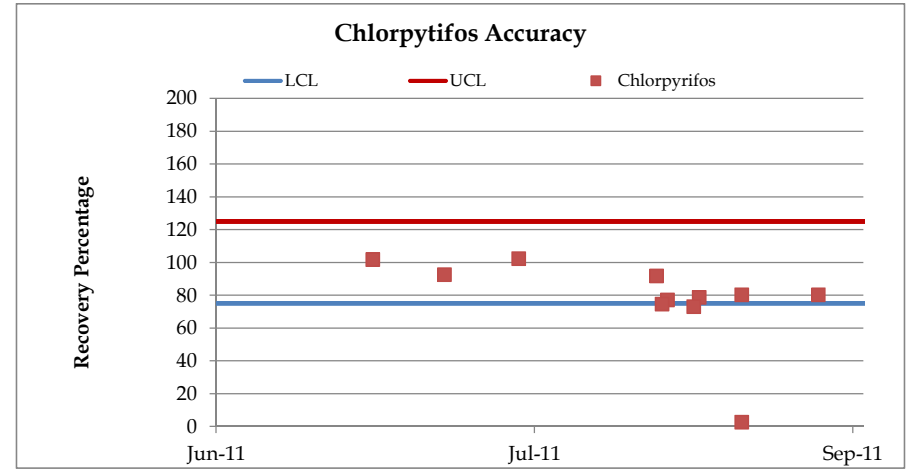
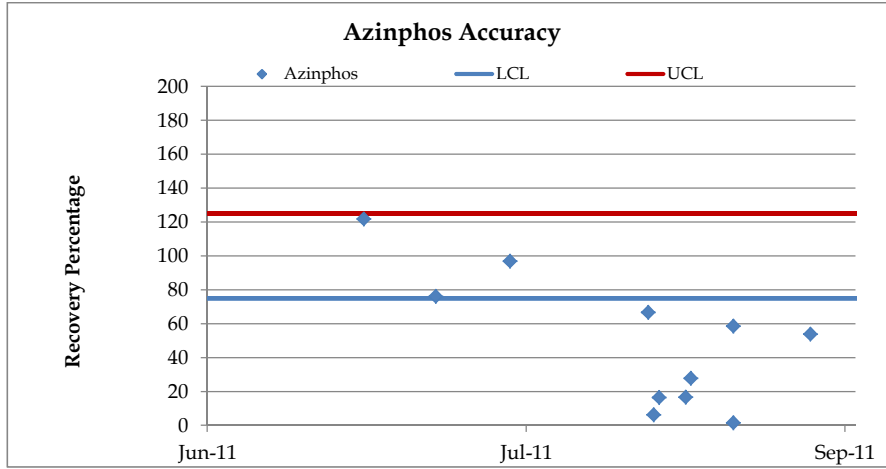
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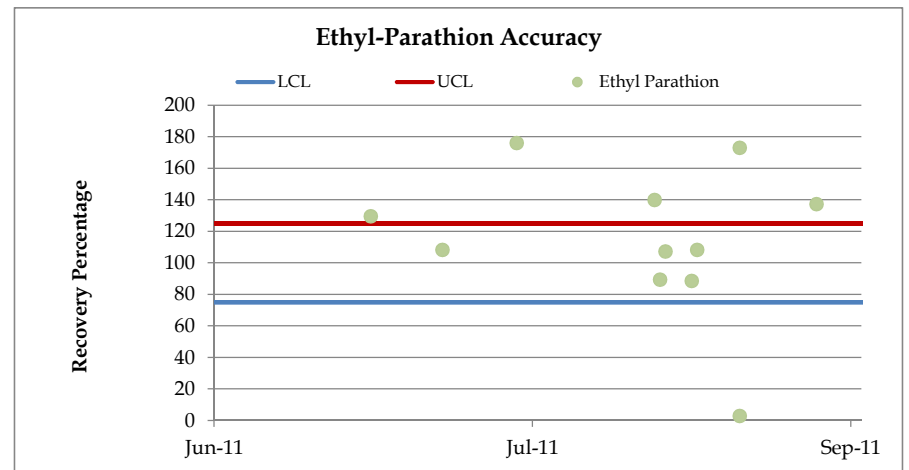
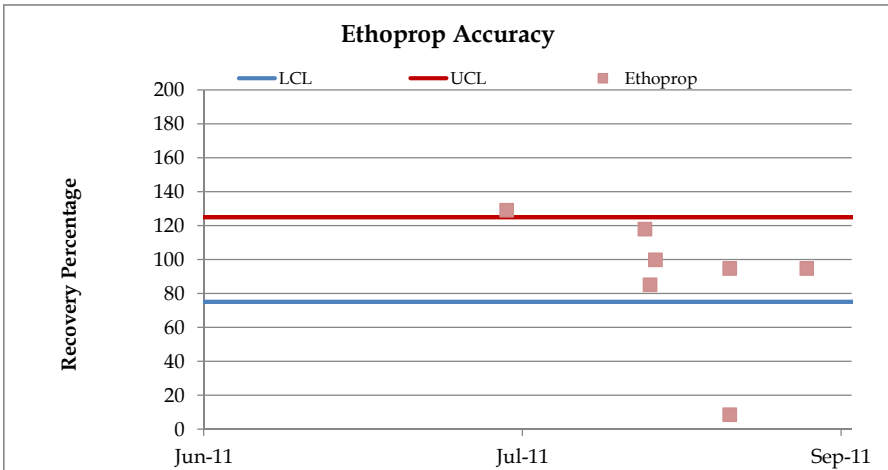
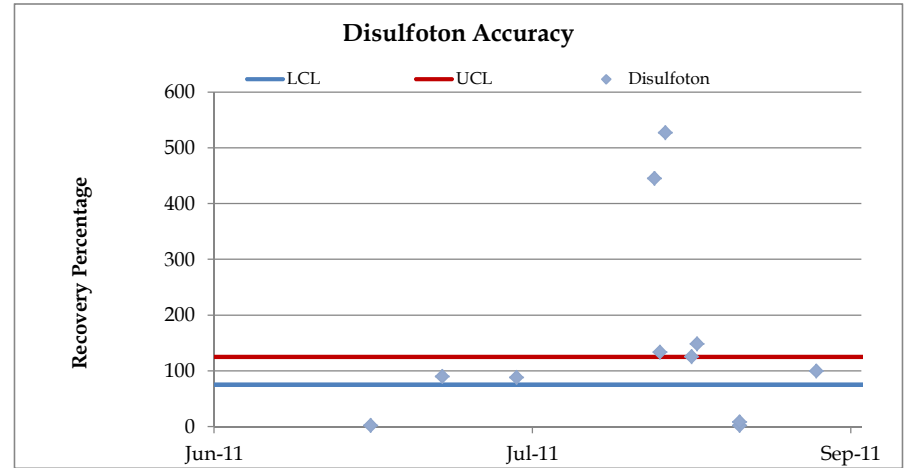
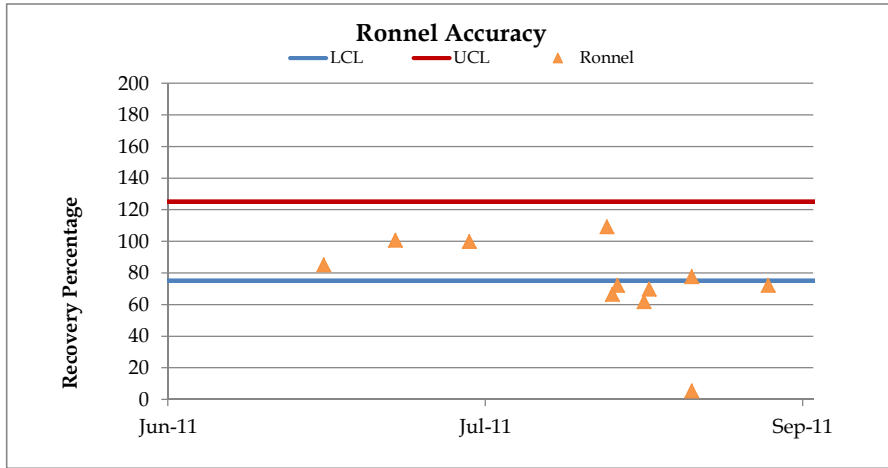
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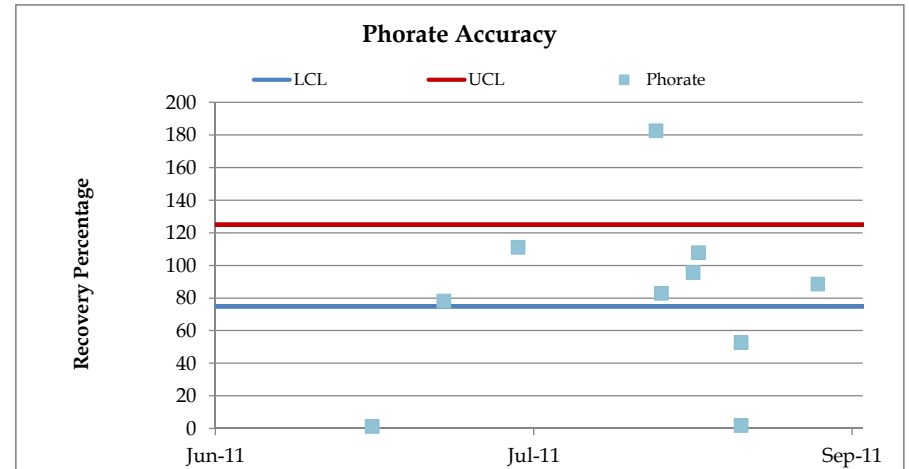
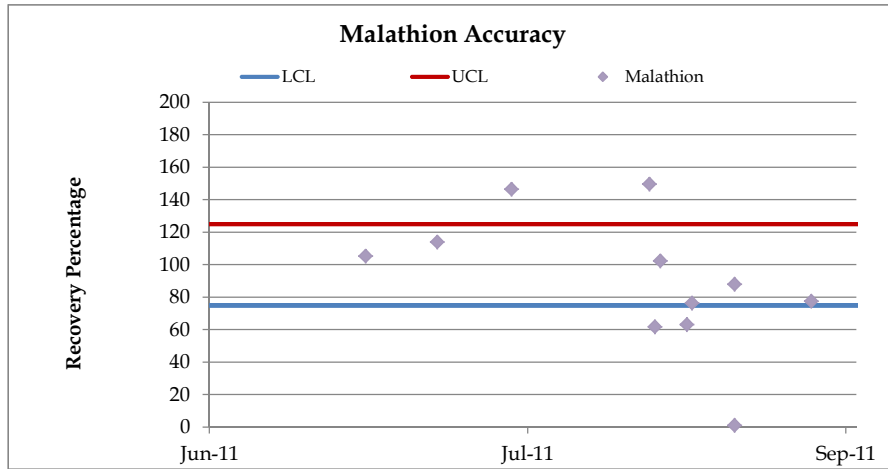
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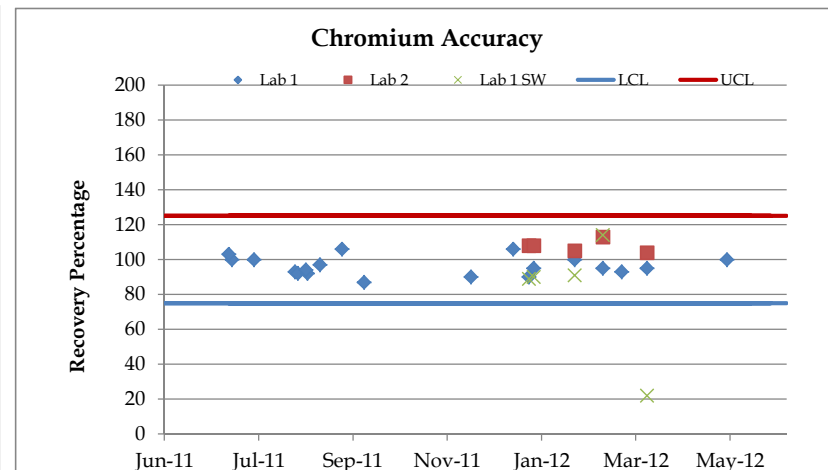
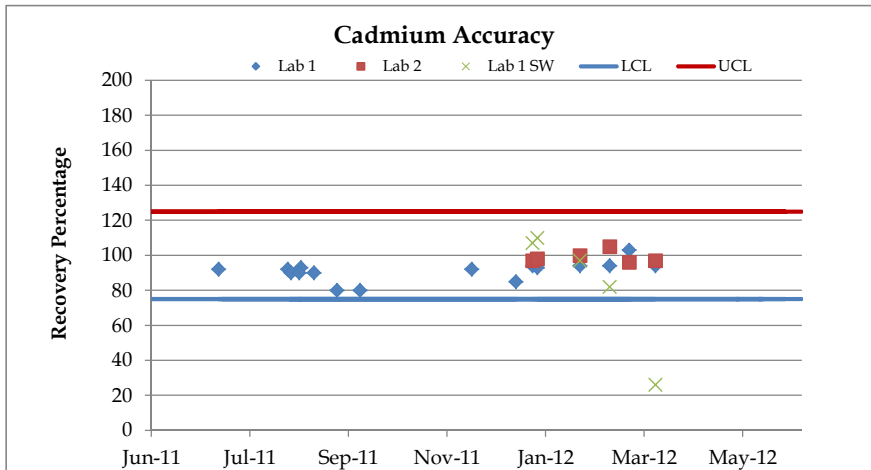
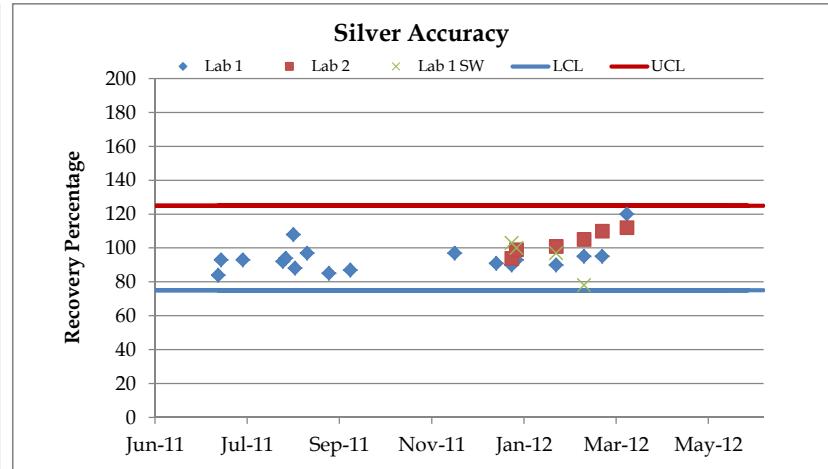
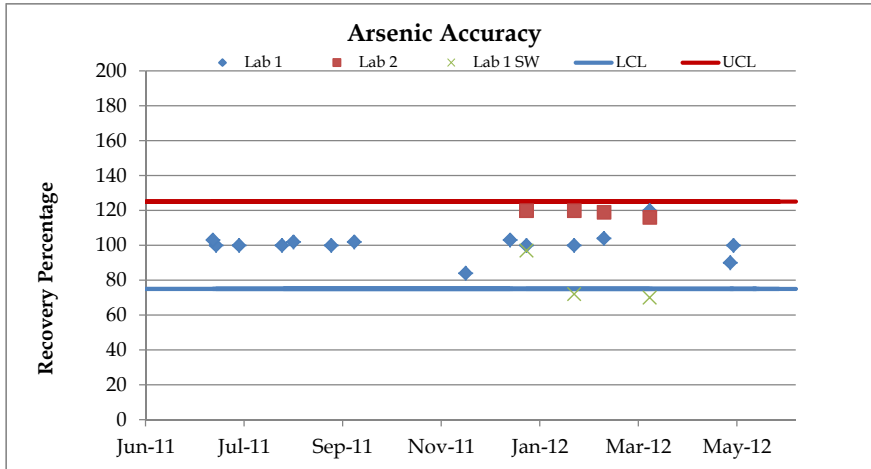
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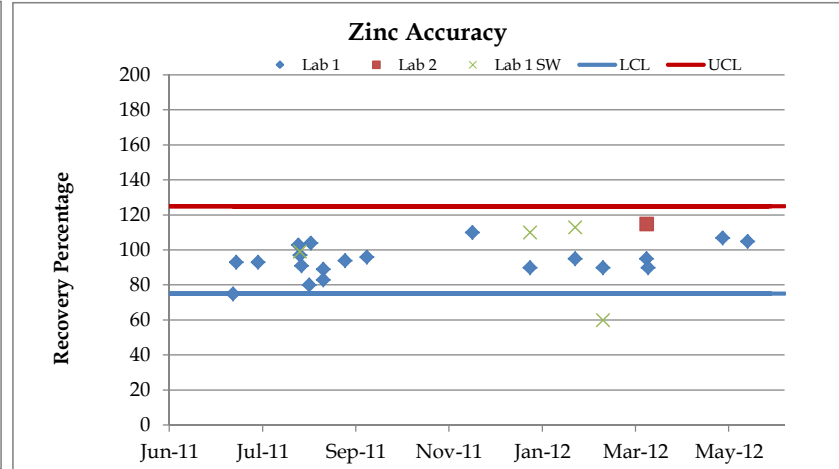
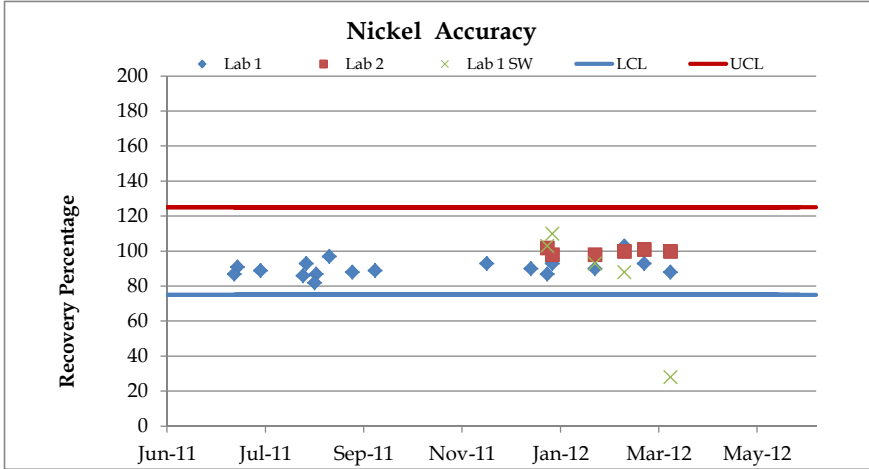
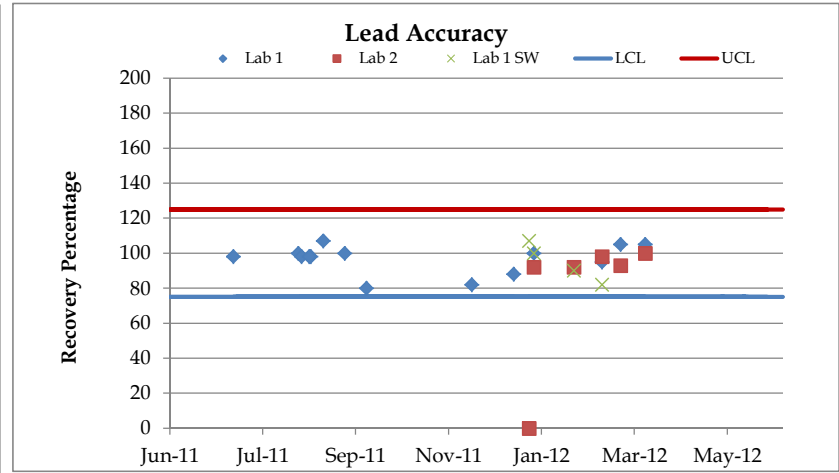
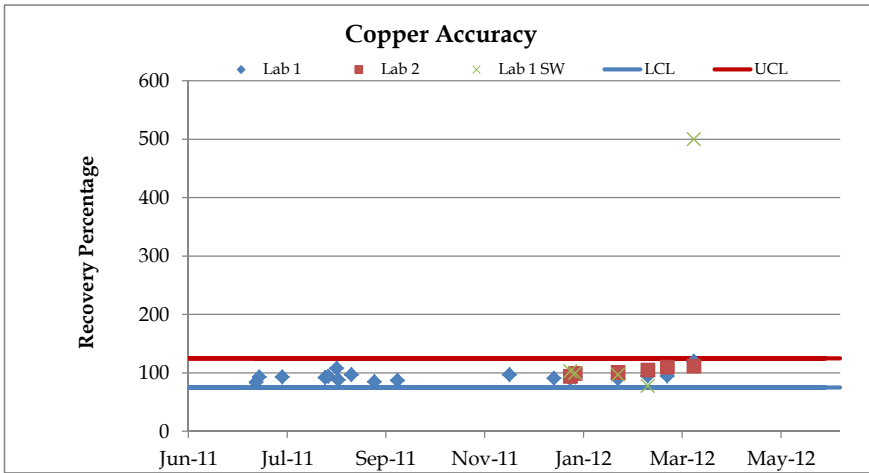
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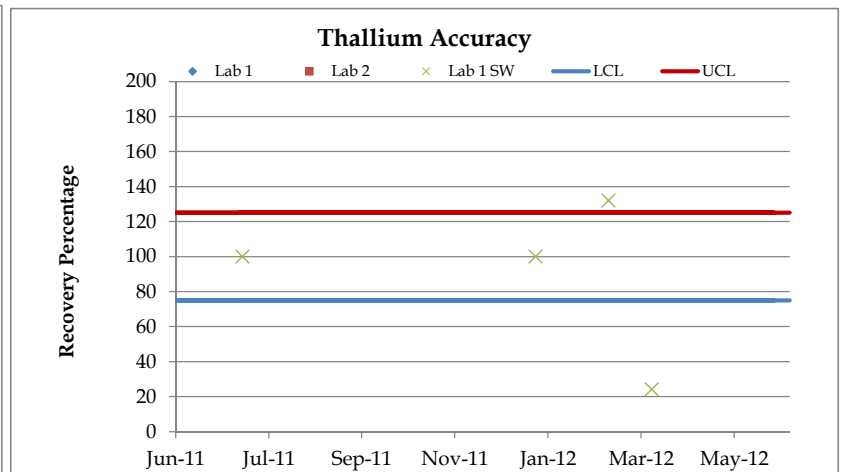
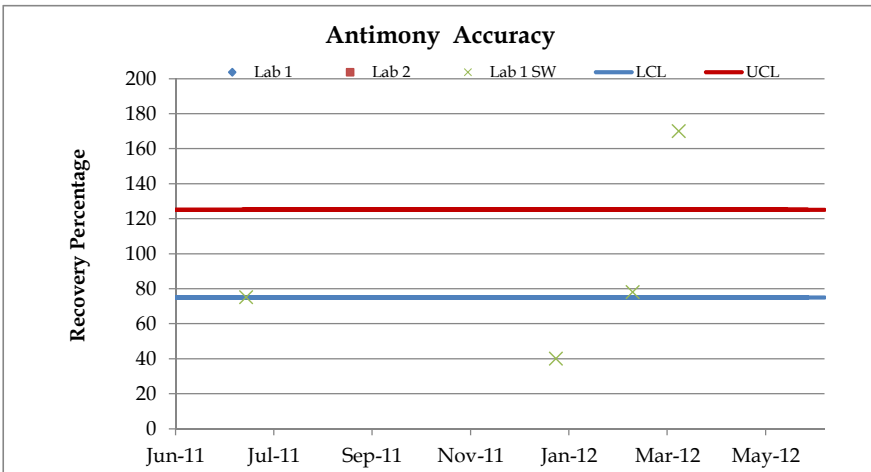
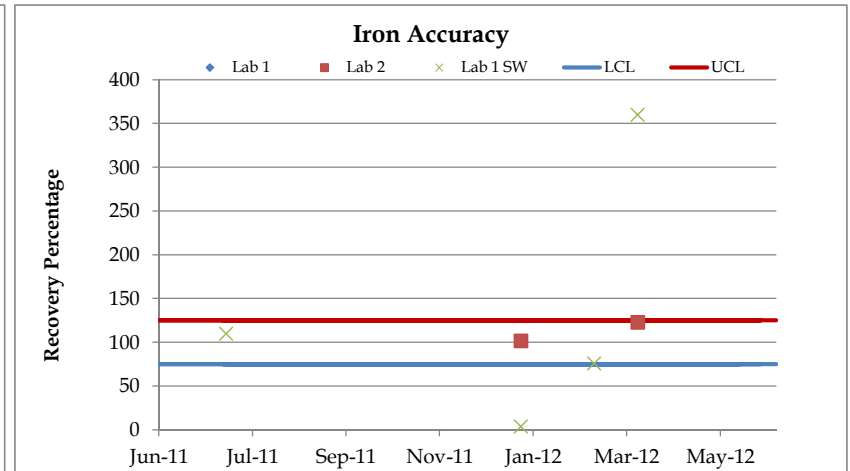
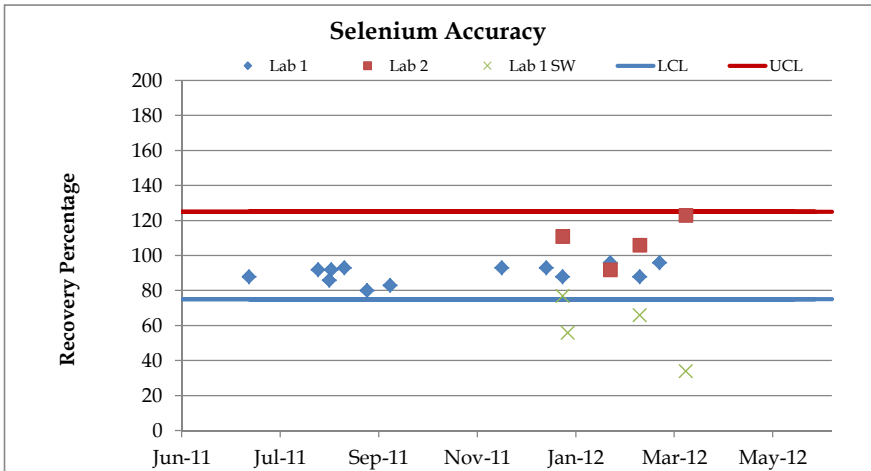
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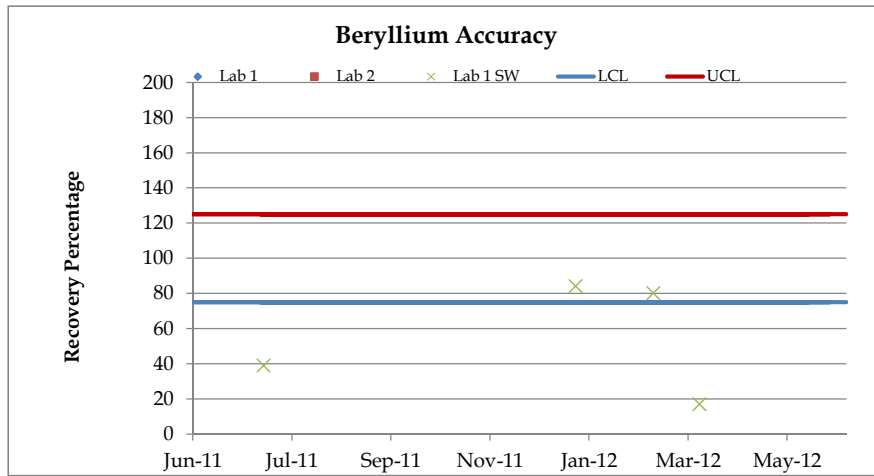
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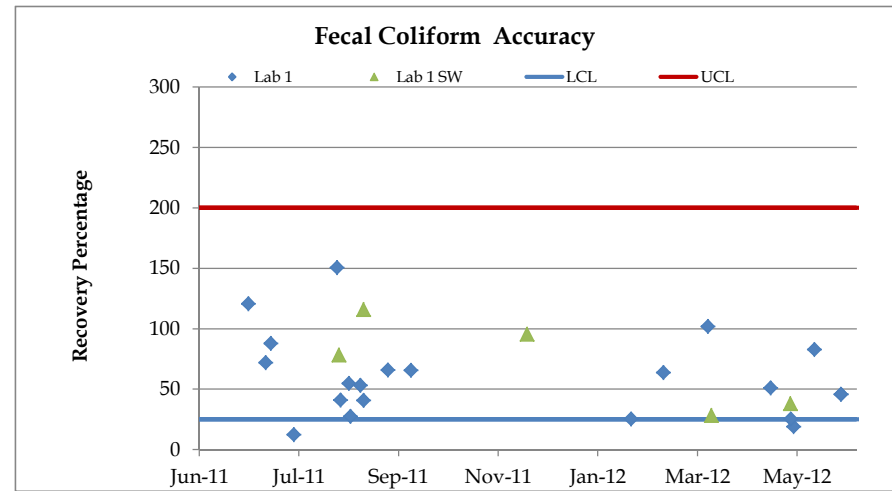
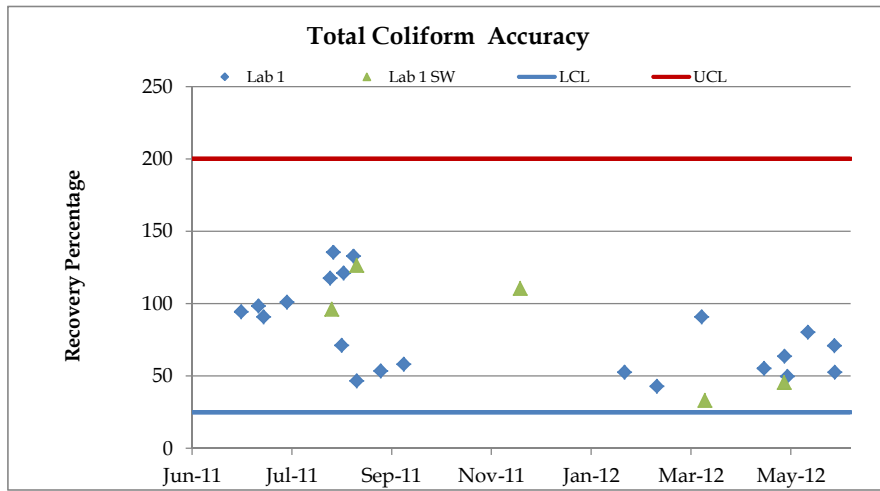
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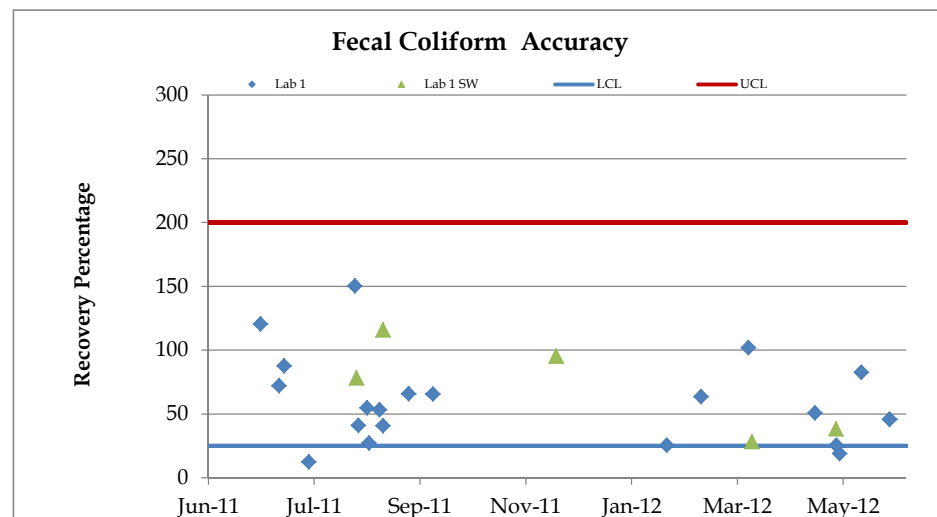
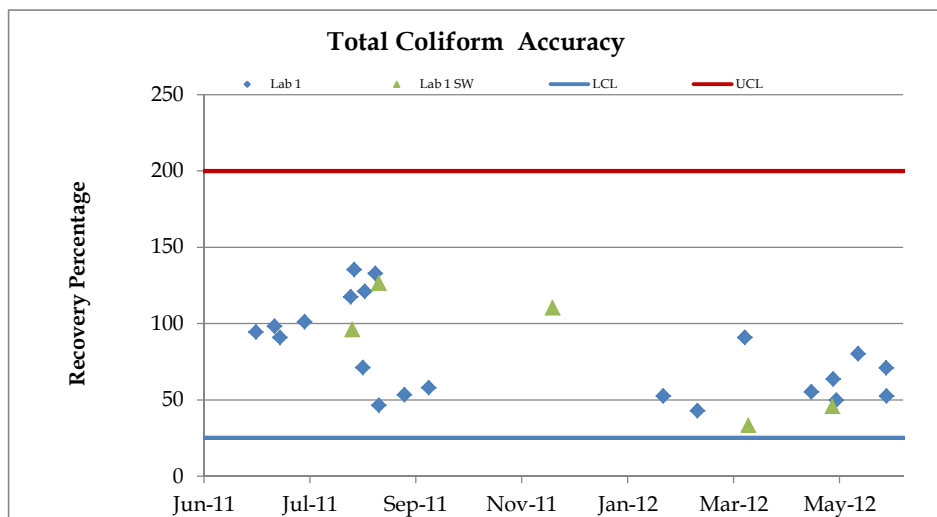
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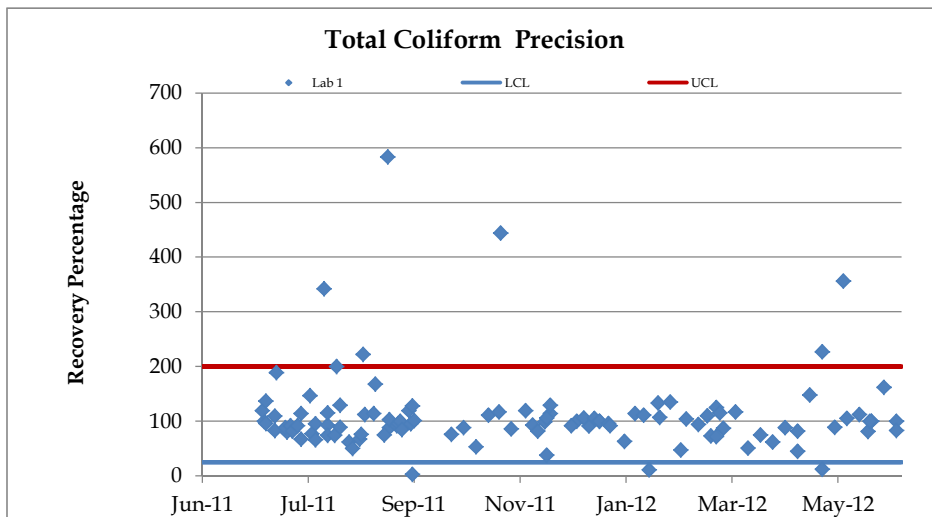
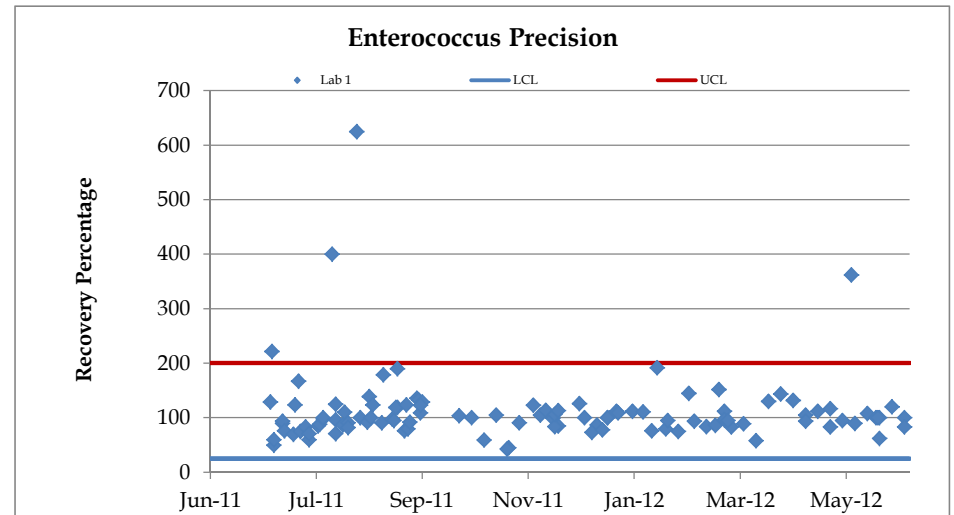
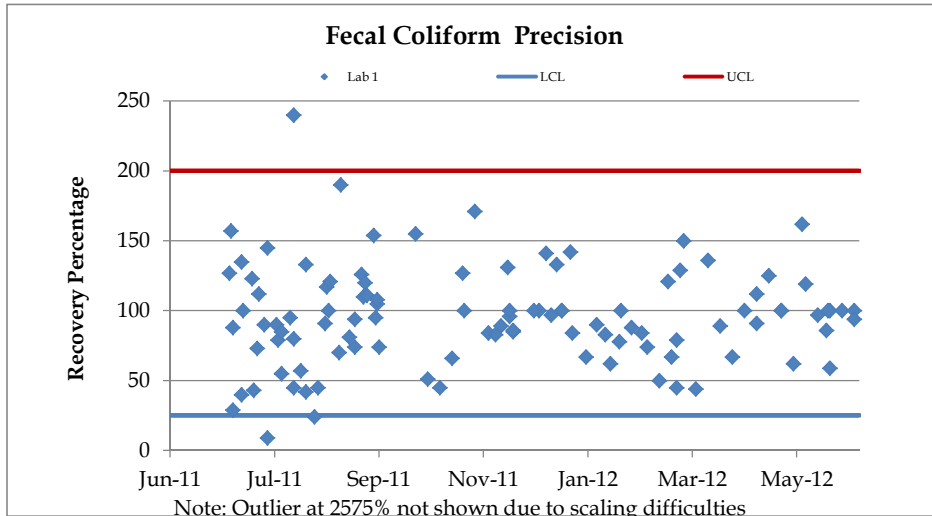
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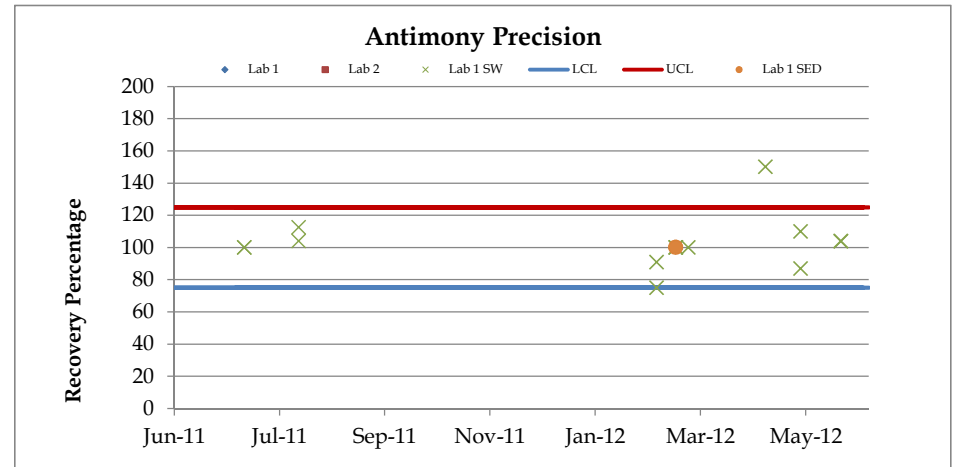
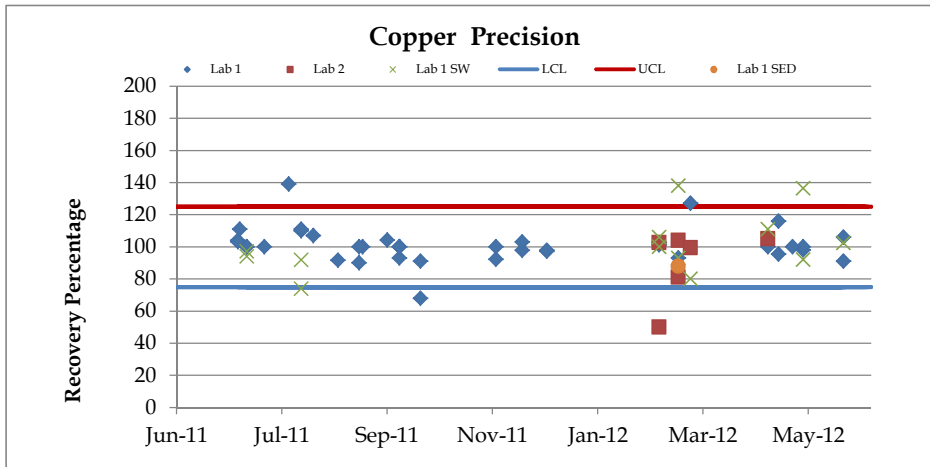
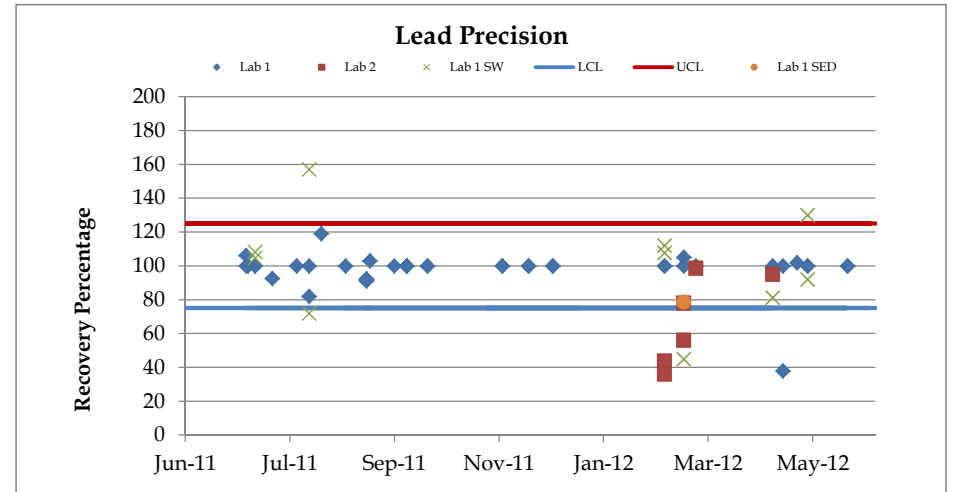
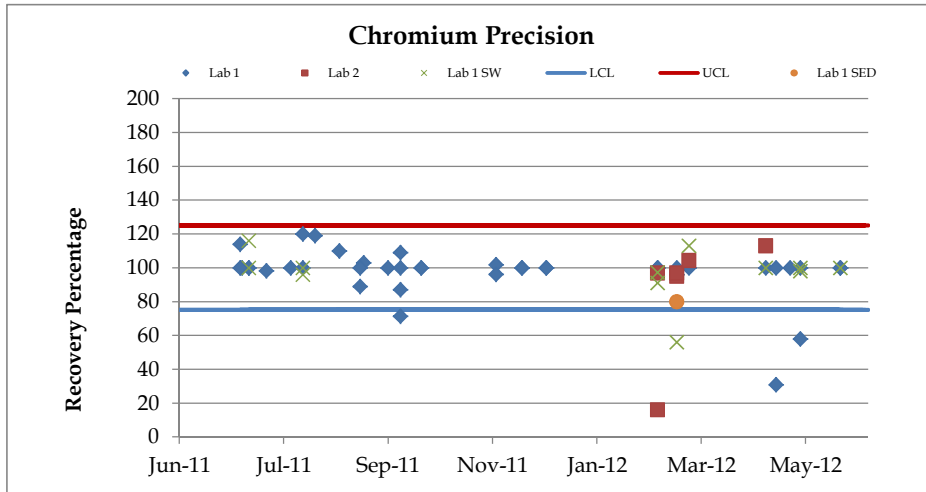
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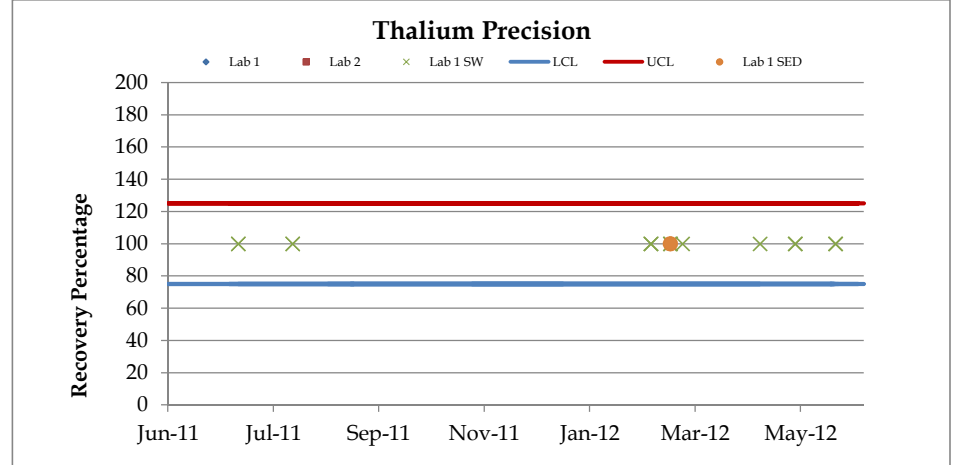
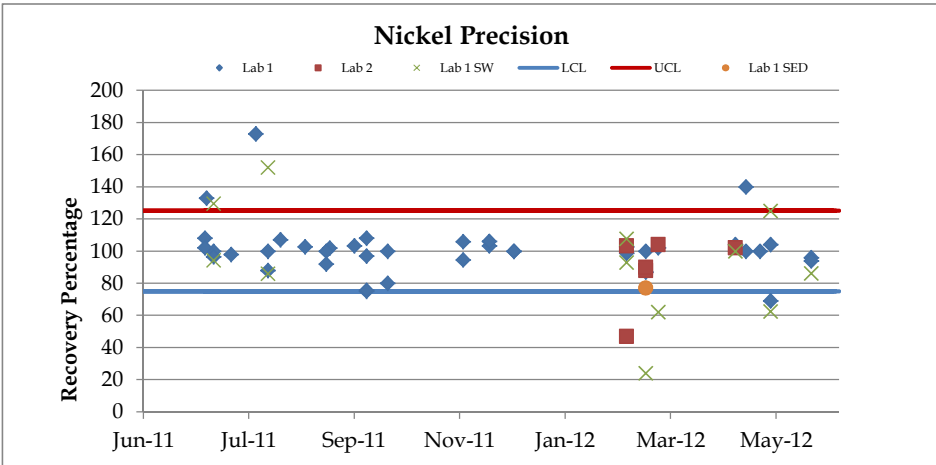
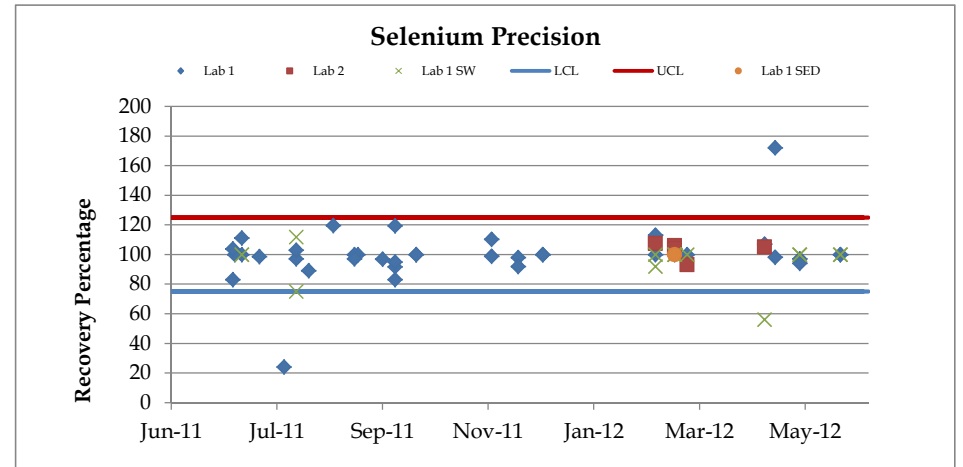
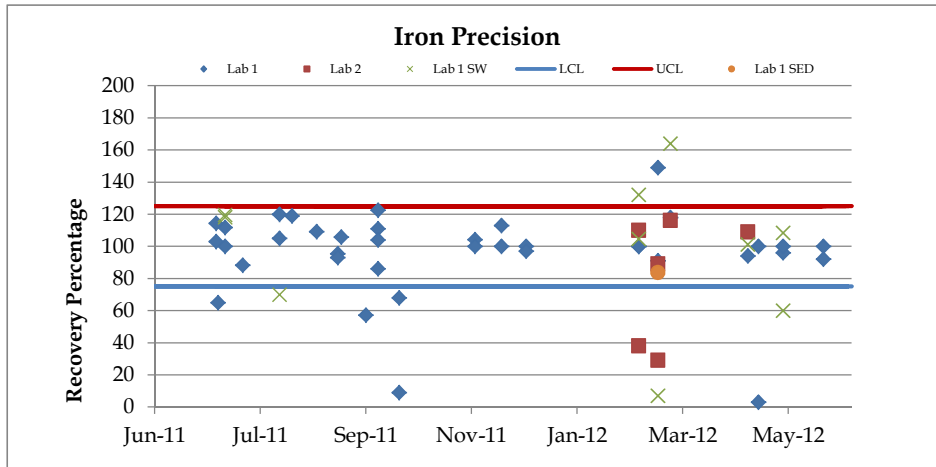
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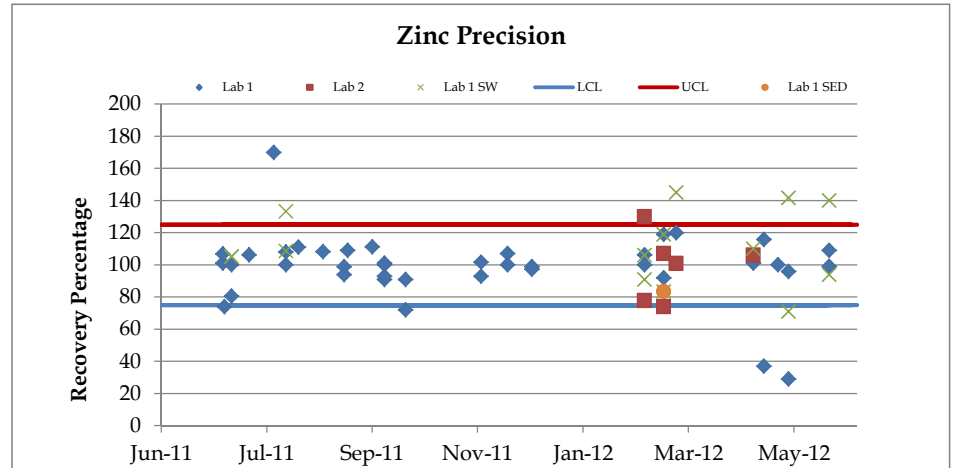
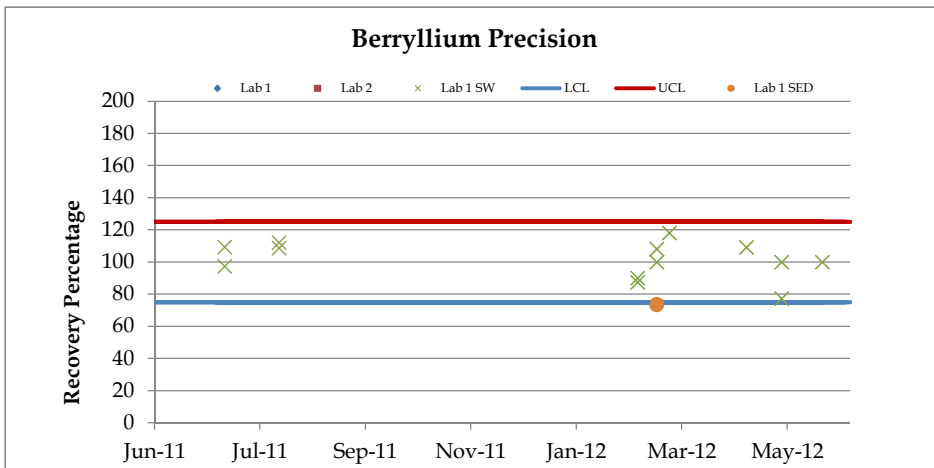
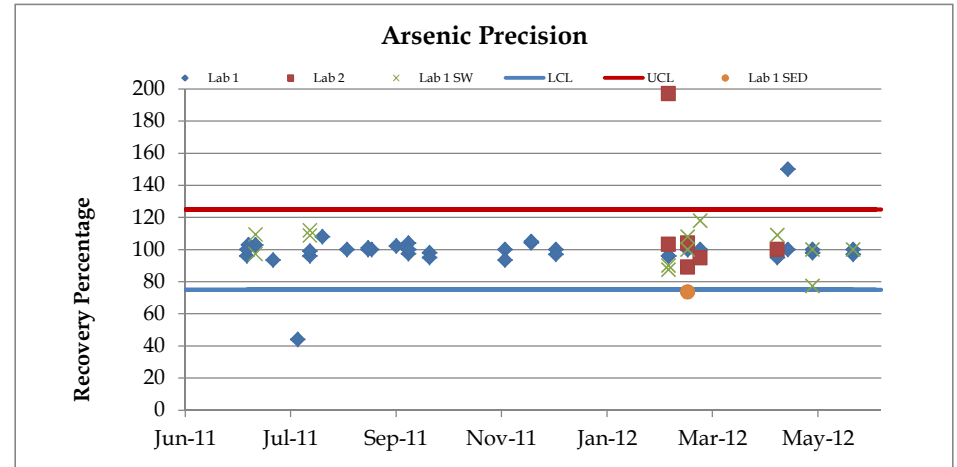
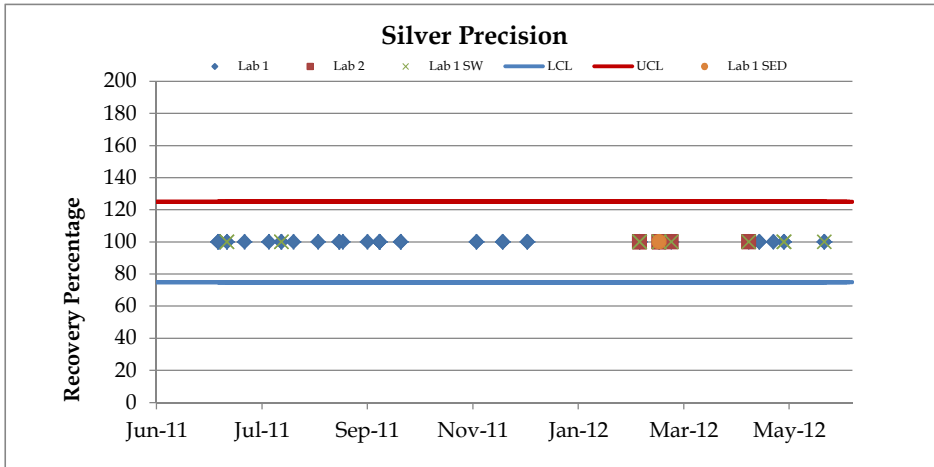
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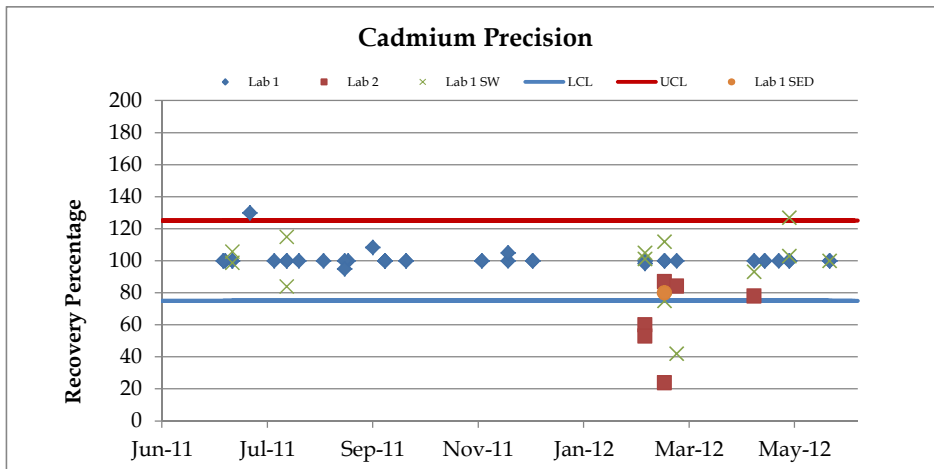
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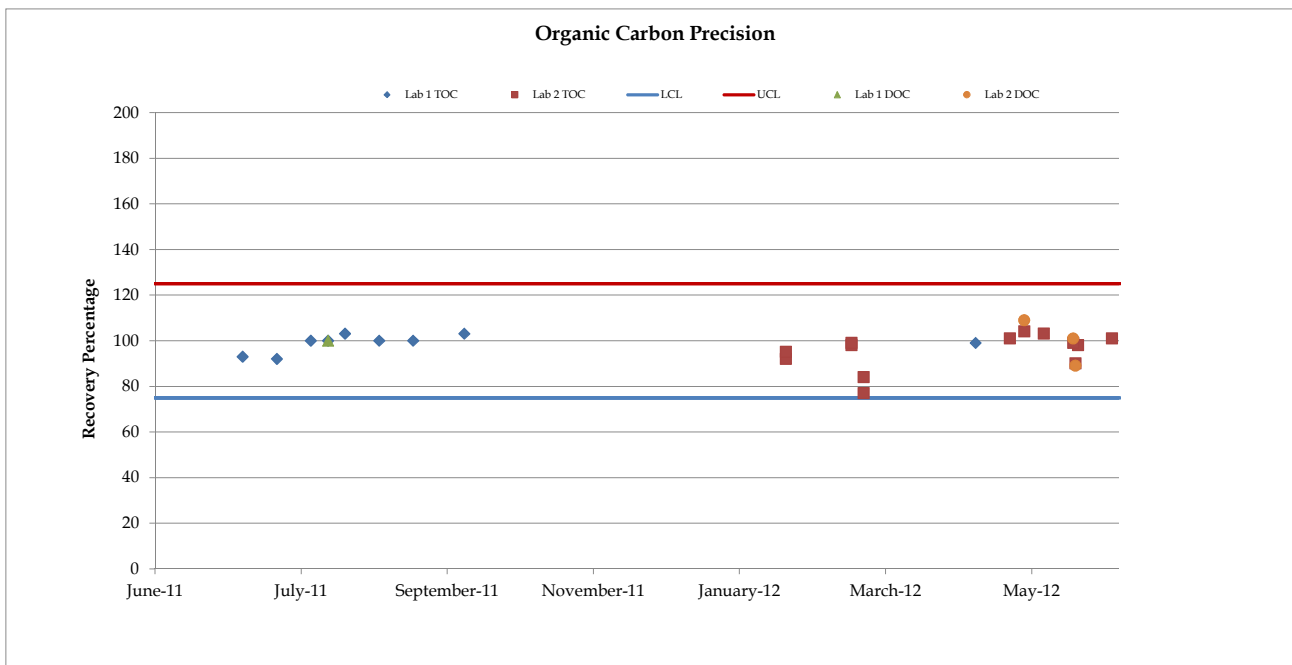
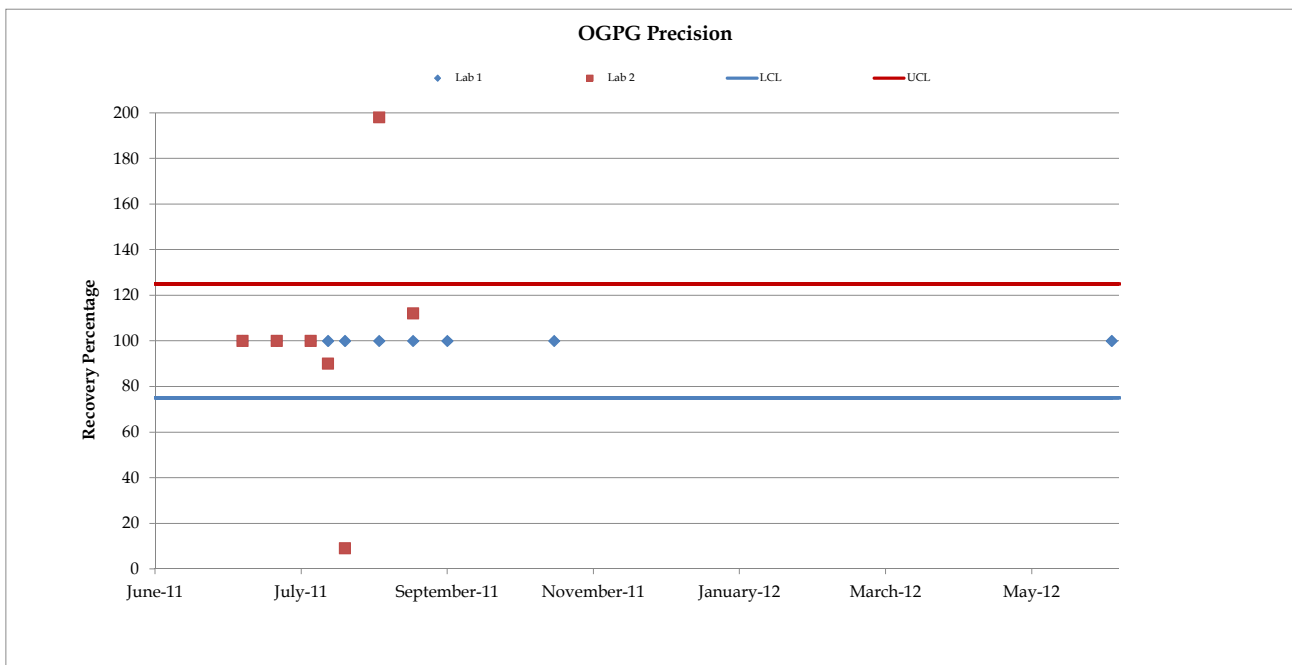
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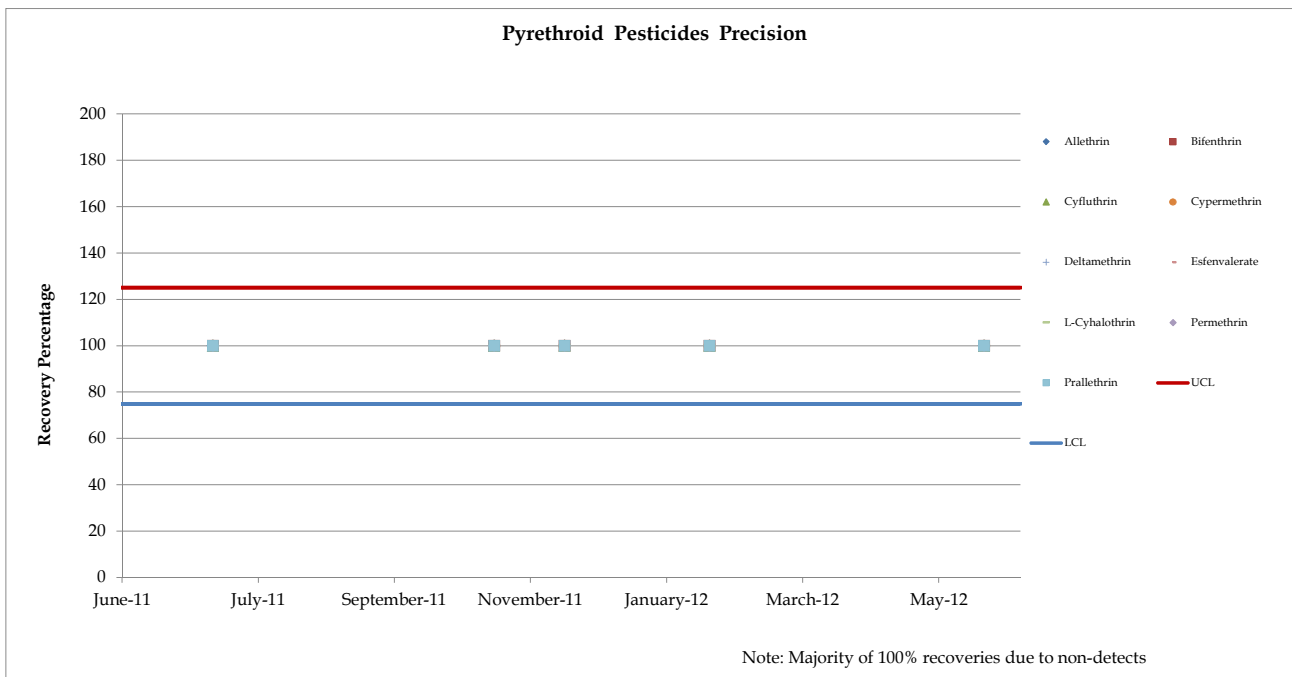
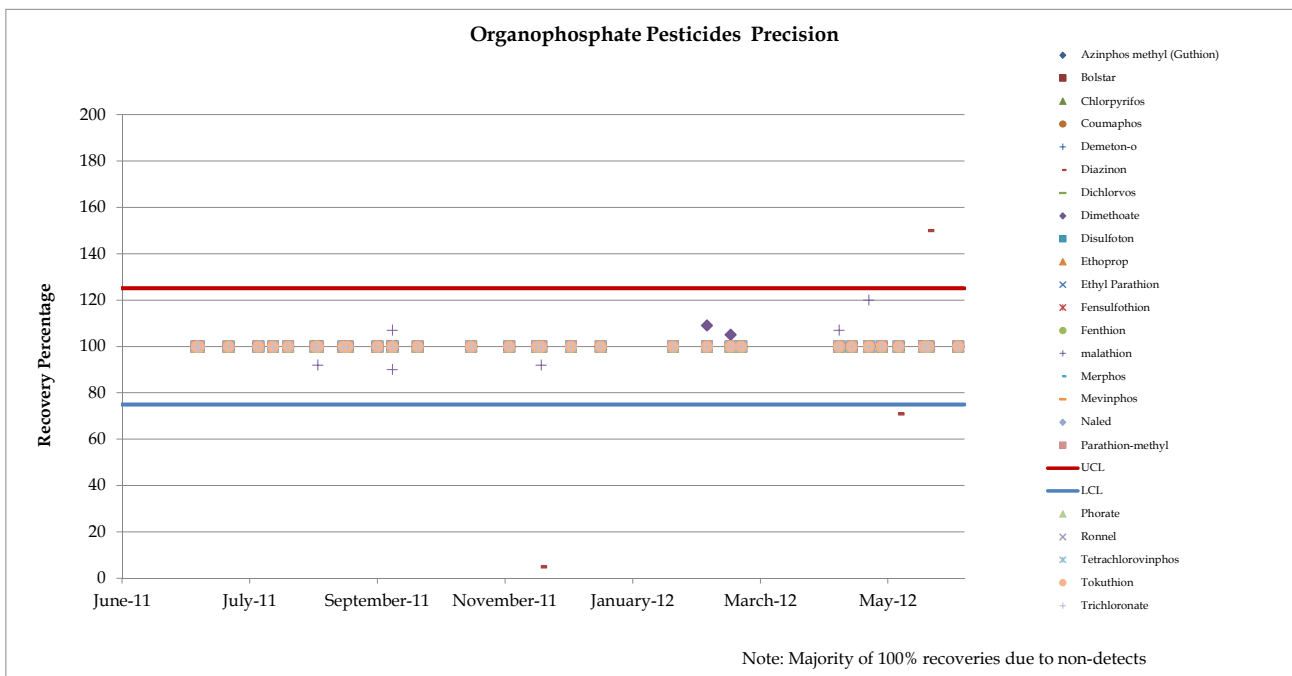
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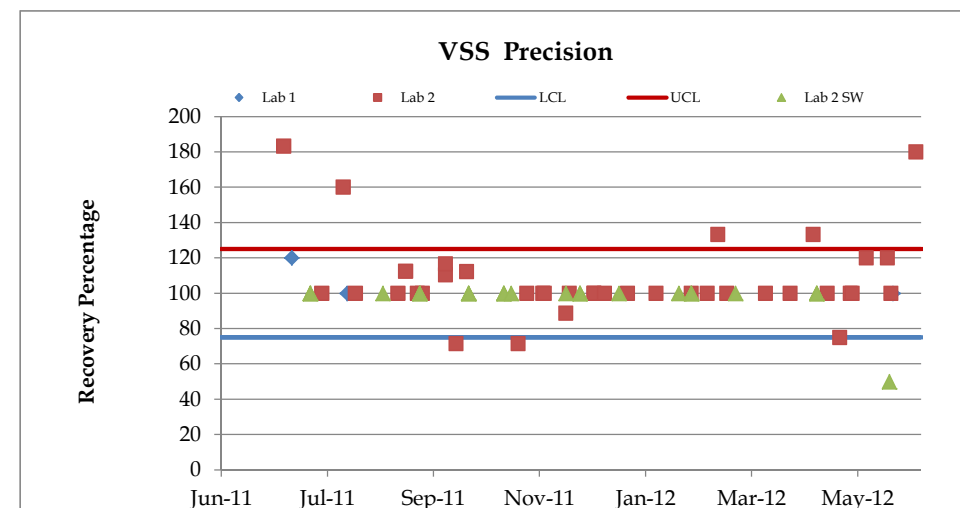
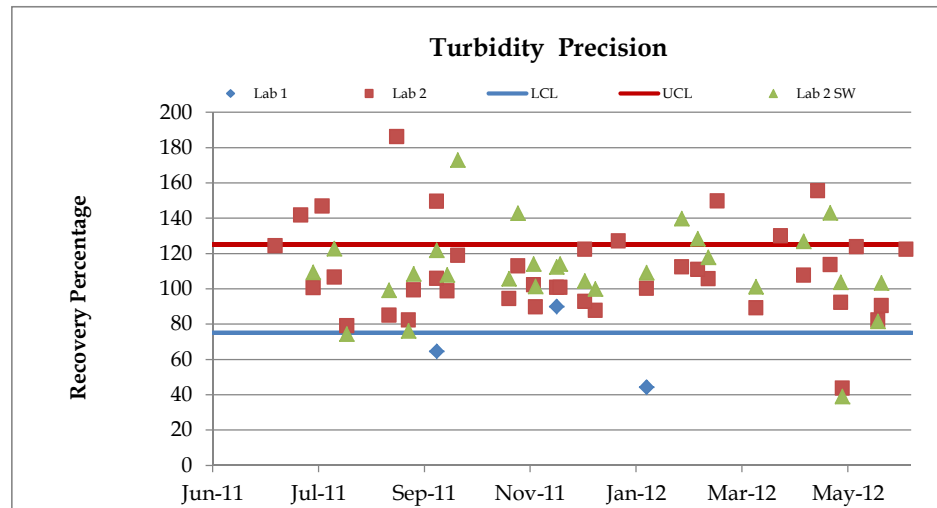
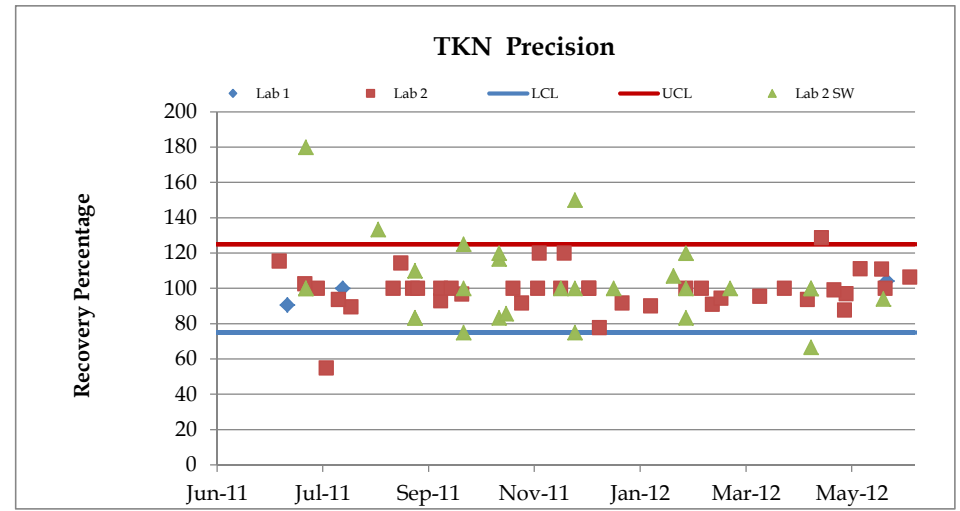
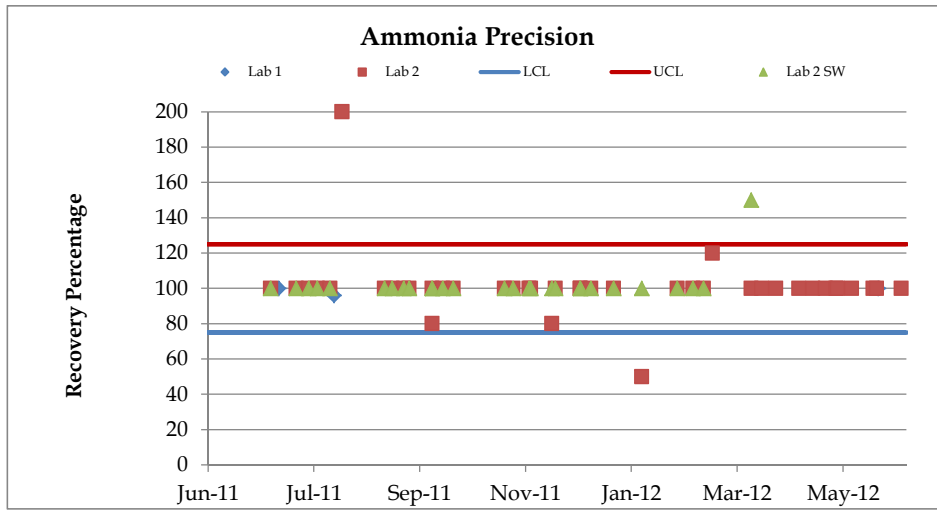
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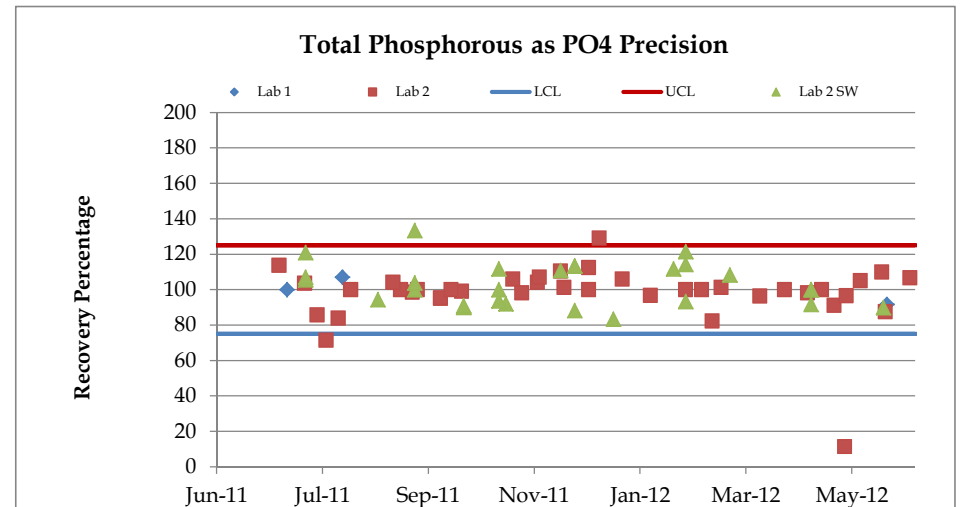
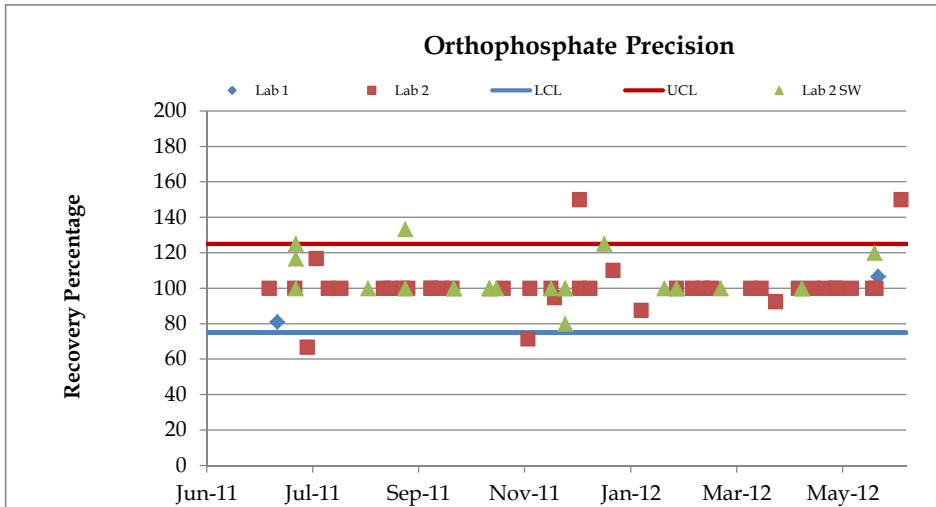
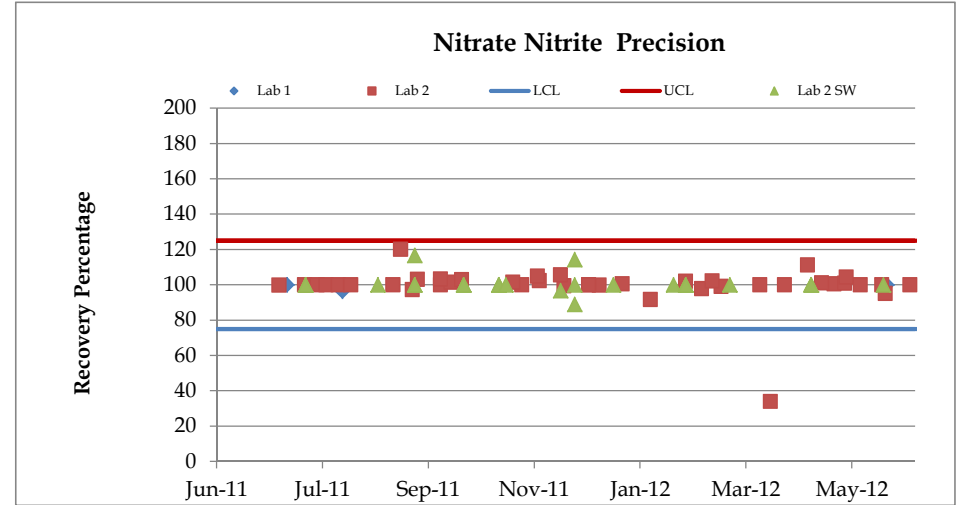
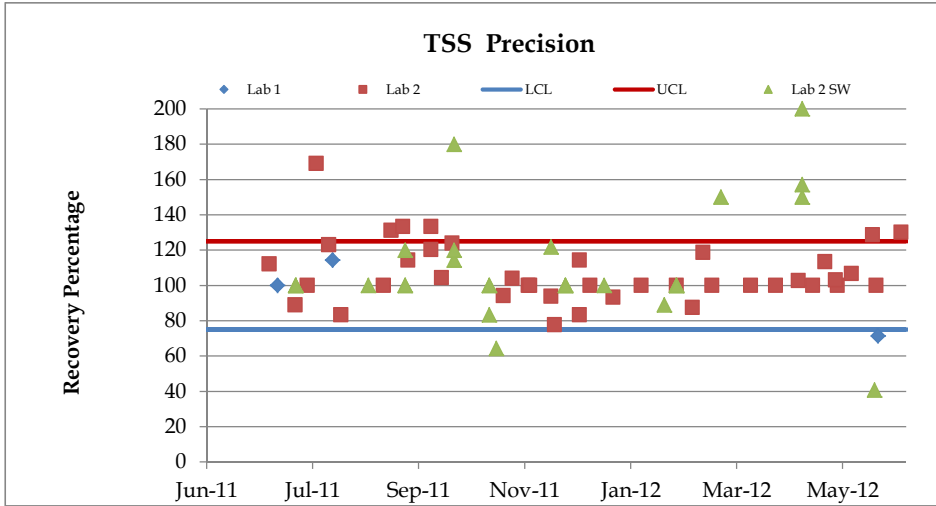
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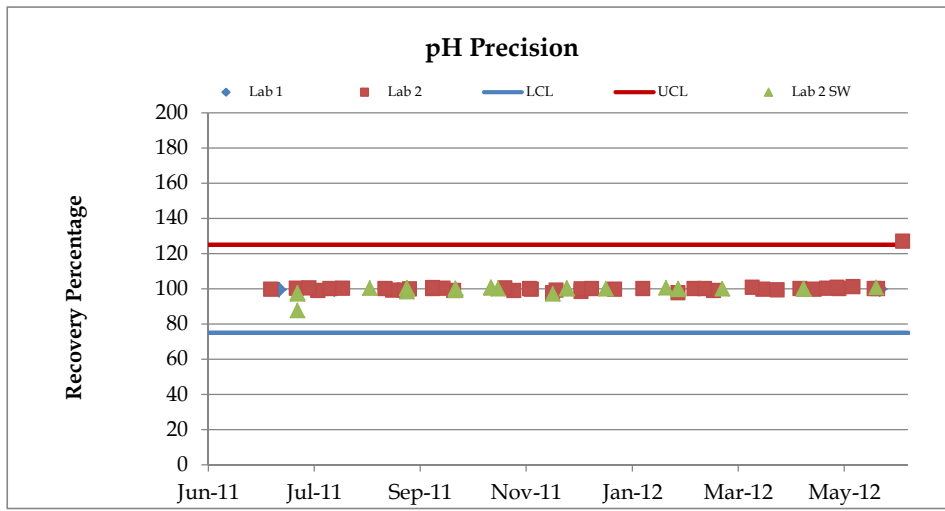
Quality Assurance/ Quality Control Precision Charts



Quality Assurance/ Quality Control Precision Charts



Quality Assurance/ Quality Control
Precision Charts



**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Total Dissolved Solids

				TDS
Sample	Matrix	Sample Type	Lab	mg/L
11/12/11	FW	EquipBlank	ASSOC	<10
3/14/12	FW	EquipBlank	ASSOC	<10
7/11/11	FW	EquipBlank	WECK	<10
3/13/12	FW	EquipBlank	WECK	<10
7/12/11	FW	TripBlank	WECK	<10
8/11/11	FW	TripBlank	WECK	<10
8/31/11	FW	TripBlank	WECK	<10
1/19/12	FW	TripBlank	ASSOC	<10
9/7/11	FW	TripBlank	ASSOC	<10
5/22/12	FW	TripBlank	ASSOC	<10
6/15/12	FW	TripBlank	WECK	<10
3/6/12	FW	TripBlank	ASSOC	<10
9/8/11	SW	TripBlank	ASSOC	<10
2/8/12	FW	TripBlank	WECK	<10
5/23/12	FW	TripBlank	ASSOC	<10

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Total Organic Carbon

				TOC
Date	Matrix	Sample Type	Lab	mg/L
08/23/11	FW	TripBlank	ASSOC	<0.5
10/05/11	FW	TripBlank	ASSOC	<0.5
01/09/12	FW	TripBlank	ASSOC	<0.5
08/30/11	FW	TripBlank	ASSOC	<0.5
01/10/12	FW	TripBlank	ASSOC	<0.5
12/13/11	FW	TripBlank	ASSOC	<0.5
09/07/11	FW	TripBlank	ASSOC	<0.5
10/05/11	FW	TripBlank	ASSOC	<0.5
01/10/12	FW	TripBlank	ASSOC	<0.5
01/21/12	FW	TripBlank	ASSOC	<0.5
12/12/11	FW	TripBlank	ASSOC	<0.5
10/06/11	FW	TripBlank	ASSOC	<1
09/19/11	GW	TripBlank	ASSOC	<0.5
12/15/11	SW	TripBlank	ASSOC	<0.5
09/08/11	SW	TripBlank	ASSOC	<0.5
08/24/11	SW	TripBlank	ASSOC	1.5
01/19/12	FW	TripBlank	TRUSDL	<0.3
02/08/12	FW	TripBlank	TRUSDL	<0.3
05/24/12	FW	TripBlank	TRUSDL	<0.3
04/11/12	FW	TripBlank	TRUSDL	<0.3
05/22/12	FW	TripBlank	TRUSDL	<0.3
03/06/12	FW	TripBlank	TRUSDL	<0.3
05/22/12	FW	TripBlank	TRUSDL	<0.3
05/23/12	FW	TripBlank	TRUSDL	<0.3
02/15/12	FW	TripBlank	TRUSDL	<0.3
02/17/12	FW	TripBlank	TRUSDL	<0.3
03/18/12	FW	TripBlank	TRUSDL	<0.3
06/07/12	FW	TripBlank	TRUSDL	<0.3
06/05/12	FW	TripBlank	TRUSDL	<0.3
06/21/12	FW	TripBlank	TRUSDL	<0.3
03/29/12	FW	TripBlank	TRUSDL	0.674
06/07/12	SW	TripBlank	TRUSDL	<0.3
03/17/12	SW	TripBlank	TRUSDL	<0.3
07/14/11	FW	TripBlank	WECK	<0.3
09/22/11	FW	TripBlank	WECK	<0.3
08/25/11	FW	TripBlank	WECK	<0.3
04/11/12	FW	TripBlank	WECK	<0.3
04/03/12	FW	TripBlank	WECK	<0.3
08/11/11	FW	TripBlank	WECK	<0.3
05/10/12	FW	TripBlank	WECK	<0.3
07/28/11	FW	TripBlank	WECK	0.38
09/08/11	FW	TripBlank	WECK	0.45
08/11/11	FW	TripBlank	WECK	0.88
08/31/11	FW	TripBlank	WECK	0.89
04/04/12	SW	TripBlank	WECK	<0.3
08/31/11	FW	EquipBlank	ASSOC	<0.5
10/06/11	FW	EquipBlank	ASSOC	<0.5
10/06/11	FW	EquipBlank	ASSOC	<1
12/15/11	FW	EquipBlank	ASSOC	<0.5
11/12/11	FW	EquipBlank	ASSOC	<0.5
12/13/11	SW	EquipBlank	ASSOC	
03/14/12	FW	EquipBlank	TRUSDL	<0.3

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Total Organic Carbon

				TOC
Date	Matrix	Sample Type	Lab	mg/L
03/29/12	FW	EquipBlank	TRUSDL	1.54
03/20/12	FW	EquipBlank	TRUSDL	<0.3
05/17/12	FW	EquipBlank	TRUSDL	0.316
06/12/12	FW	EquipBlank	TRUSDL	<0.3
06/14/12	FW	EquipBlank	TRUSDL	<0.3
03/29/12	FW	EquipBlank	TRUSDL	0.922
05/31/12	FW	EquipBlank	TRUSDL	<0.3
06/13/12	FW	EquipBlank	TRUSDL	<0.3
06/28/12	FW	EquipBlank	TRUSDL	<0.3
07/07/11	FW	EquipBlank	WECK	<0.3
07/21/11	FW	EquipBlank	WECK	0.68
08/04/11	FW	EquipBlank	WECK	<0.3
08/18/11	FW	EquipBlank	WECK	0.7
09/01/11	FW	EquipBlank	WECK	0.48
05/03/12	FW	EquipBlank	WECK	<0.3
09/15/11	FW	EquipBlank	WECK	<0.3
09/29/11	FW	EquipBlank	WECK	<0.3

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Weck SVOC

Sample Type	Trip Blank
Date	10/5/11
Parameter	ng/L
1,2,4-Trichlorobenzene	<50
1,2-Dichlorobenzene	<50
1,3-Dichlorobenzene	<50
1,4-Dichlorobenzene	<50
1-Methylnaphthalene	<5
2,4- Dichlorophenol	<100
2,4- Dimethylphenol	<200
2,4,6- Trichlorophenol	<100
2,4-Dinitrophenol	<200
2,4-Dinitrotoluene	<100
2,6-Dinitrotoluene	<100
2-Chloronaphthalene	<100
2-chlorophenol	<100
2-Methyl-4,6-dinitrophenol	<200
2-Methylnaphthalene	5.4
2-Nitrophenol	<200
3,3'-dichlorobenzidine	<100
4-Bromophenylphenylether	<100
4-Chloro-3-methylphenol	<200
4-Chlorophenylphenylether	<100
4-Nitrophenol	<200
Acenaphthene	<5
Acenaphthylene	<5
Anthracene	<5
Azobenzene	<100
Benzidine	<100
Benzo[a]anthracene	<5
Benzo[a]pyrene	50
Benzo[b]fluoranthene	<5
Benzo[e]pyrene	
Benzo[g,h,i]perylene	<5
Benzo[k]fluoranthene	<5
bis(2-Chloroethoxy)methane	<100
bis(2-Chloroethyl)ether	<100
bis(2-Chloroisopropyl)ether	<100
bis(2-Ethylhexyl) Phthalate	680
Butylbenzyl Phthalate	300
Chrysene	<5
Dibenz[a,h]anthracene	<5
Diethyl Phthalate	190
Dimethyl Phthalate	42
Di-n-butyl Phthalate	240
Di-n-octyl Phthalate	590
Fluoranthene	<5
Fluorene	<5
Hexachlorobenzene	<5
Hexachlorobutadiene	<100
Hexachlorocyclopentadiene	<100
Hexachloroethane	<100
Indeno[1,2,3-c,d]pyrene	<5
Isophorone	<100

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Weck SVOC

Sample Type	Trip Blank
Date	10/5/11
Parameter	ng/L
Naphthalene	8
Nitrobenzene	<100
N-Nitrodimethylamine	<100
N-Nitrosodi-n-propylamine	<100
N-Nitrosodiphenylamine	<100
Pentachlorophenol	<100
Phenanthrene	<5
Phenol	<200
Pyrene	<5

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

HCA Bacteria

SampleDate	Matrix	Sample Type	TC	FC	ENT
			CFU/100 ml		
7/7/11 0:00	FW	EquipBlank	<9	<9	<9
7/21/11 0:00	FW	EquipBlank	>140	<9	<9
8/4/11 0:00	FW	EquipBlank	<9	<9	<9
8/18/11 0:00	FW	EquipBlank	<9	<9	<9
8/31/11 0:00	FW	EquipBlank	<9	<9	<9
9/1/11 0:00	FW	EquipBlank	<9	<9	<9
9/15/11 8:25	FW	EquipBlank	<9	<9	<9
9/29/11 8:00	FW	EquipBlank	<9	<9	<9
12/13/11 13:25	SW	EquipBlank	<9	<9	<9
3/23/12 9:24	FW	EquipBlank	<9	<9	<9
5/3/12 8:24	FW	EquipBlank	<9	<9	<9
5/17/12 8:12	FW	EquipBlank	<9	<9	<9
5/31/12 0:00	FW	EquipBlank	<9	<9	<9
6/14/12 8:48	FW	EquipBlank	<9	<9	<9
6/12/12 10:40	FW	EquipBlank	<9	<9	<9
6/13/12 11:40	FW	EquipBlank	<9	<9	<9
6/28/12 8:25	FW	EquipBlank	<9	<9	<9
7/7/11 0:00	FW	TripBlank	<9	<9	<9
7/6/11 0:00	FW	TripBlank	<9	<9	<9
7/5/11 0:00	FW	TripBlank	<9	<9	<9
7/6/11 0:00	FW	TripBlank	<9	<9	<9
7/7/11 9:30	FW	TripBlank	<9	<9	<9
7/12/11 0:00	FW	TripBlank	<9	<9	<9
7/13/11 0:00	FW	TripBlank	<9	<9	<9
7/11/11 0:00	FW	TripBlank	<9	<9	<9
7/14/11 0:00	FW	TripBlank	<9	<9	<9
7/12/11 0:00	FW	TripBlank	<9	<9	<9
7/13/11 0:00	FW	TripBlank	<9	<9	<9
7/19/11 0:00	FW	TripBlank	<9	<9	<9
7/20/11 0:00	FW	TripBlank	<9	<9	<9
7/18/11 0:00	FW	TripBlank	<9	<9	<9
7/21/11 9:54	FW	TripBlank	<9	<9	<9
7/21/11 12:45	SW	TripBlank	<9	<9	<9
7/22/11 0:00	FW	TripBlank	<9	<9	<9
7/25/11 0:00	FW	TripBlank	<9	<9	<9
7/27/11 0:00	FW	TripBlank	<9	<9	<9
7/26/11 0:00	FW	TripBlank	<9	<9	<9
7/25/11 0:00	FW	TripBlank	<9	<9	<9
7/26/11 0:00	FW	TripBlank	<9	<9	<9
7/28/11 0:00	FW	TripBlank	<9	<9	<9
7/27/11 0:00	FW	TripBlank	<9	<9	<9
8/1/11 0:00	FW	TripBlank	<9	<9	<9
8/1/11 0:00	FW	TripBlank	<9	<9	<9
8/2/11 0:00	FW	TripBlank	<9	<9	<9
8/3/11 0:00	FW	TripBlank	<9	<9	<9
8/2/11 0:00	FW	TripBlank	<9	<9	<9
8/4/11 9:38	FW	TripBlank	<9	<9	<9
8/4/11 0:00	FW	TripBlank	<9	<9	<9
8/11/11 0:00	FW	TripBlank	<9	<9	<9
8/11/11 0:00	FW	TripBlank	<9	<9	<9
8/9/11 0:00	FW	TripBlank	<9	<9	<9
8/10/11 0:00	FW	TripBlank	<9	<9	<9

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

HCA Bacteria

SampleDate	Matrix	Sample Type	TC	FC	ENT
			CFU/100 ml		
8/9/11 13:45	FW	TripBlank	<9	<9	<9
8/11/11 0:00	FW	TripBlank	<9	<9	<9
8/11/11 0:00	FW	TripBlank	<9	<9	<9
8/15/11 8:00	FW	TripBlank	<9	<9	<9
8/16/11 0:00	FW	TripBlank	<9	<9	<9
8/17/11 0:00	FW	TripBlank	<9	<9	<9
8/17/11 0:00	FW	TripBlank	<9	<9	<9
8/18/11 0:00	FW	TripBlank		<9	
8/18/11 0:00	FW	TripBlank	<9	<9	<9
8/22/11 0:00	FW	TripBlank	<9	<9	<9
8/22/11 0:00	FW	TripBlank	<9	<9	<9
8/23/11 0:00	FW	TripBlank	<9	<9	<9
8/24/11 0:00	SW	TripBlank	<9	<9	<9
8/23/11 0:00	FW	TripBlank	<9	<9	<9
8/24/11 0:00	FW	TripBlank	<9	<9	<9
8/25/11 0:00	FW	TripBlank	<9	<9	<9
8/29/11 0:00	FW	TripBlank	<9	<9	<9
8/30/11 0:00	FW	TripBlank	<9	<9	<9
8/31/11 0:00	FW	TripBlank	<9	<9	<9
8/29/11 0:00	FW	TripBlank	<9	<9	<9
8/31/11 0:00	FW	TripBlank	<9	<9	<9
8/30/11 0:00	FW	TripBlank	<9	<9	<9
8/31/11 0:00	FW	TripBlank	<9	<9	<9
8/31/11 0:00	FW	TripBlank		<9	
8/25/11 0:00	FW	TripBlank	<9	<9	<9
9/1/11 0:00	FW	TripBlank	<9	<9	<9
9/8/11 0:00	FW	TripBlank	<9	<9	<9
9/6/11 0:00	FW	TripBlank	<9	<9	<9
9/7/11 0:00	FW	TripBlank	<9	<9	<9
9/8/11 0:00	FW	TripBlank	<9	<9	<9
9/7/11 0:00	FW	TripBlank	<9	<9	<9
9/7/11 0:00	FW	TripBlank	<9	<9	<9
9/8/11 0:00	SW	TripBlank	<9	<9	<9
9/8/11 0:00	FW	TripBlank	<9	<9	<9
9/12/11 9:50	FW	TripBlank	<9	<9	<9
9/12/11 9:50	FW	TripBlank		<9	
9/13/11 0:00	FW	TripBlank	<9	<9	<9
9/14/11 0:00	FW	TripBlank	<9	<9	<9
9/13/11 0:00	FW	TripBlank	<9	<9	<9
9/15/11 11:00	FW	TripBlank	<9	<9	<9
9/15/11 11:00	FW	TripBlank	<9	<9	<9
9/15/11 10:32	FW	TripBlank	<9	<9	<9
9/19/11 0:00	FW	TripBlank	<9	<9	<9
9/19/11 0:00	FW	TripBlank	<9	<9	<9
9/21/11 0:00	FW	TripBlank	<9	<9	<9
9/20/11 0:00	FW	TripBlank	<9	<9	<9
9/21/11 0:00	FW	TripBlank	<9	<9	<9
9/20/11 0:00	FW	TripBlank	<9	<9	<9
9/22/11 8:28	FW	TripBlank	<9	<9	<9
9/21/11 9:06	FW	TripBlank	<9	<9	<9
9/22/11 11:00	FW	TripBlank	<9	<9	<9
9/22/11 11:00	FW	TripBlank	<9	<9	<9

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

HCA Bacteria

SampleDate	Matrix	Sample Type	TC	FC	ENT
			CFU/100 ml		
9/26/11 9:48	FW	TripBlank	<9	<9	<9
9/26/11 9:58	FW	TripBlank	<9	<9	<9
9/27/11 0:00	FW	TripBlank	<9	<9	<9
9/28/11 10:11	FW	TripBlank	<9	<9	<9
9/28/11 10:11	FW	TripBlank	<9	<9	<9
9/29/11 9:45	FW	TripBlank	<9	<9	<9
10/4/11 10:23	FW	TripBlank	<9	<9	<9
10/3/11 10:40	FW	TripBlank	<9	<9	<9
10/12/11 11:50	FW	TripBlank	<9	<9	<9
10/13/11 12:30	FW	TripBlank	<9	<9	<9
10/6/11 11:35	FW	TripBlank	<9	<9	<9
10/11/11 9:05	FW	TripBlank	<9	<9	<9
10/18/11 11:43	FW	TripBlank	<9	<9	<9
10/19/11 11:51	FW	TripBlank	<9	<9	<9
10/17/11 8:00	FW	TripBlank	<9	<9	<9
10/19/11 11:51	SW	TripBlank	<9	<9	<9
10/20/11 9:31	FW	TripBlank	<9	<9	<9
10/25/11 11:26	FW	TripBlank	<9	<9	<9
10/26/11 11:40	FW	TripBlank	<9	<9	<9
10/24/11 8:00	FW	TripBlank	<9	<9	<9
10/27/11 12:43	FW	TripBlank	<9	<9	<9
11/1/11 11:00	FW	TripBlank	<9	<9	<9
11/2/11 12:37	FW	TripBlank	<9	<9	<9
11/3/11 12:00	FW	TripBlank	<9	<9	<9
11/1/11 11:00	FW	TripBlank	<9	<9	<9
11/2/11 7:30	FW	TripBlank	<9	<9	<9
12/1/11 11:41	FW	TripBlank	<9	<9	<9
11/30/11 12:11	FW	TripBlank	<9	<9	<9
11/8/11 12:19	FW	TripBlank	<9	<9	<9
11/8/11 12:19	SW	TripBlank	<9	<9	<9
11/9/11 6:40	FW	TripBlank	<9	<9	<9
11/13/11 9:22	FW	TripBlank	<9	<9	<9
11/15/11 10:17	FW	TripBlank	<9	<9	<9
11/17/11 12:30	FW	TripBlank	<9	<9	<9
11/16/11 7:15	FW	TripBlank	<9	<9	<9
11/22/11 11:40	FW	TripBlank	<9	<9	<9
11/28/11 7:45	FW	TripBlank	<9	<9	<9
12/1/11 11:41	FW	TripBlank	<9	<9	<9
11/29/11 11:20	FW	TripBlank	<9	<9	<9
12/5/11 8:00	FW	TripBlank	<9	<9	<9
12/6/11 12:04	FW	TripBlank	<9	<9	<9
12/7/11 12:15	FW	TripBlank	<9	<9	<9
12/8/11 12:35	FW	TripBlank	<9	<9	<9
12/20/11 11:50	FW	TripBlank	<9	<9	<9
12/21/11 12:16	FW	TripBlank	<9	<9	<9
12/22/11 10:55	FW	TripBlank	<9	<9	<9
12/12/11 11:00	FW	TripBlank	<9	<9	<9
12/13/11 11:15	FW	TripBlank	<9	<9	<9
12/15/11 7:30	SW	TripBlank	<9	<9	<9
12/15/11 10:00	FW	TripBlank	<9	<9	<9
12/28/11 12:10	FW	TripBlank	<9	<9	<9
12/29/11 10:59	FW	TripBlank	<9	<9	<9

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

HCA Bacteria

SampleDate	Matrix	Sample Type	TC	FC	ENT
			CFU/100 ml		
12/27/11 10:57	FW	TripBlank	<9	<9	<9
1/5/12 1:00	FW	TripBlank	<9	<9	<9
1/4/12 11:20	FW	TripBlank	<9	<9	<9
1/5/12 10:16	FW	TripBlank	10	<9	<9
12/21/11 12:35	SW	TripBlank	<9	<9	<9
12/21/11 12:16	FW	TripBlank	<9	<9	<9
12/22/11 10:55	FW	TripBlank	<9	<9	<9
12/27/11 10:57	FW	TripBlank	<9	<9	<9
1/3/12 10:16	FW	TripBlank	<9	<9	<9
1/9/12 7:45	FW	TripBlank	<9	<9	<9
1/10/12 10:54	FW	TripBlank	<9	<9	<9
1/11/12 11:24	FW	TripBlank	<9	<9	<9
1/12/12 11:35	FW	TripBlank	<9	<9	<9
1/10/12 10:50	FW	TripBlank	<9	<9	<9
1/10/12 10:50	FW	TripBlank	<9	<9	<9
1/10/12 10:50	FW	TripBlank	<9	<9	<9
1/26/12 12:05	FW	TripBlank	<9	<9	<9
1/31/12 11:30	FW	TripBlank	<9	<9	<9
2/1/12 11:52	FW	TripBlank	<9	<9	<9
2/9/12 12:13	FW	TripBlank	<9	<9	<9
2/6/12 11:59	FW	TripBlank	<9	<9	<9
2/2/12 12:00	FW	TripBlank	<9	<9	<9
1/18/12 6:45	FW	TripBlank	<9	<9	<9
1/22/12 9:30	FW	TripBlank	<9	<9	<9
1/23/12 11:53	FW	TripBlank	<9	<9	<9
1/24/12 10:20	FW	TripBlank	<9	<9	<9
1/31/12 10:27	FW	TripBlank	<9	<9	<9
2/1/12 8:00	FW	TripBlank	<9	<9	<9
2/7/12 10:25	FW	TripBlank	<9	<9	<9
2/6/12 11:59	FW	TripBlank	<9	<9	<9
2/14/12 11:08	FW	TripBlank	<9	<9	<9
2/21/12 12:03	FW	TripBlank	<9	<9	<9
2/15/12 12:39	FW	TripBlank	<9	<9	<9
2/21/12 14:03	FW	TripBlank	<9	<9	<9
2/15/12 12:39	FW	TripBlank	<9	<9	<9
2/16/12 0:00	FW	TripBlank	<9	<9	<9
2/22/12 12:20	FW	TripBlank	<9	<9	<9
2/22/12 8:05	FW	TripBlank	<9	<9	<9
2/22/12 12:52	SW	TripBlank	<9	<9	<9
2/27/12 7:40	FW	TripBlank	<9	<9	<9
3/6/12 11:21	FW	TripBlank	<9	<9	<9
3/5/12 12:01	FW	TripBlank	<9	<9	<9
2/27/12 11:15	FW	TripBlank	<9	<9	<9
3/8/12 12:20	FW	TripBlank	<9	<9	<9
3/5/12 12:01	FW	TripBlank	<9	<9	<9
3/6/12 11:21	FW	TripBlank	<9	<9	<9
3/13/12 11:57	FW	TripBlank	<9	<9	<9
3/14/12 11:51	FW	TripBlank	<9	<9	<9
3/12/12 11:30	FW	TripBlank	<9	<9	<9
3/15/12 11:29	FW	TripBlank	<9	<9	<9
3/15/12 9:00	FW	TripBlank	<9	<9	<9
3/18/12 9:20	FW	TripBlank	<9	<9	<9

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

HCA Bacteria

SampleDate	Matrix	Sample Type	TC	FC	ENT
			CFU/100 ml		
4/3/12 12:08	FW	TripBlank	<9	<9	<9
3/22/12 12:13	FW	TripBlank	<9	<9	<9
3/21/12 11:21	FW	TripBlank	<9	<9	<9
3/20/12 10:30	FW	TripBlank	<9	<9	<9
3/22/12 7:40	FW	TripBlank	<9	<9	<9
3/29/12 11:38	FW	TripBlank	<9	<9	<9
3/28/12 11:25	FW	TripBlank	<9	<9	<9
3/29/12 7:00	FW	TripBlank	<9	<9	<9
4/4/12 11:28	FW	TripBlank	<9	<9	<9
4/4/12 7:30	SW	TripBlank	<9	<9	<9
4/2/12 8:30	FW	TripBlank	<9	<9	<9
4/5/12 9:32	FW	TripBlank	<9	<9	<9
4/4/12 7:20	FW	TripBlank	<9	<9	<9
4/9/12 10:36	FW	TripBlank	<9	<9	<9
4/10/12 9:20	FW	TripBlank	<9	<9	<9
4/12/12 12:05	FW	TripBlank	<9	<9	<9
4/9/12 10:36	FW	TripBlank	<9	<9	<9
4/10/12 9:20	FW	TripBlank	<9	<9	<9
4/17/12 11:35	FW	TripBlank	<9	<9	<9
4/18/12 11:01	FW	TripBlank	<9	<9	<9
4/19/12 12:25	FW	TripBlank	<9	<9	<9
4/16/12 7:30	FW	TripBlank	<9	<9	<9
5/10/12 8:15	FW	TripBlank	<9	<9	<9
4/24/12 11:46	FW	TripBlank	<9	<9	<9
4/23/12 12:20	FW	TripBlank	<9	<9	<9
4/24/12 12:00	FW	TripBlank	<9	<9	<9
4/24/12 7:40	FW	TripBlank	<9	<9	<9
4/30/12 7:15	FW	TripBlank	<9	<9	<9
5/1/12 11:50	FW	TripBlank	<9	<9	<9
5/2/12 12:38	FW	TripBlank	<9	<9	<9
5/3/12 0:00	FW	TripBlank	<9	<9	<9
5/2/12 12:38	FW	TripBlank	<9	<9	<9
5/3/12 12:00	SW	TripBlank	<9	<9	<9
5/7/12 6:20	FW	TripBlank	<9	<9	<9
5/9/12 11:53	FW	TripBlank	<9	<9	<9
5/8/12 7:05	FW	TripBlank	<9	<9	<9
5/10/12 13:10	FW	TripBlank	<9	<9	<9
5/9/12 7:05	FW	TripBlank	<9	<9	<9
5/9/12 7:05	FW	TripBlank	<9	<9	<9
5/14/12 7:15	FW	TripBlank	<9	<9	<9
5/14/12 13:56	FW	TripBlank	<9	<9	<9
5/15/12 11:57	FW	TripBlank	<9	<9	<9
5/16/12 11:46	FW	TripBlank	<9	<9	<9
5/17/12 13:20	FW	TripBlank	<9	<9	<9
5/24/12 7:30	FW	TripBlank	<9	<9	<9
5/22/12 7:00	FW	TripBlank	<9	<9	<9
5/23/12 10:51	FW	TripBlank	<9	<9	<9
5/21/12 8:13	FW	TripBlank	<9	<9	<9
5/22/12 11:44	FW	TripBlank	<9	<9	<9
5/23/12 10:51	FW	TripBlank	<9	<9	<9
5/23/12 10:00	FW	TripBlank	<9	<9	<9
5/21/12 8:13	FW	TripBlank	<9	<9	<9

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

HCA Bacteria

SampleDate	Matrix	Sample Type	TC	FC	ENT
			CFU/100 ml		
5/22/12 9:10	FW	TripBlank	<9	<9	<9
5/30/12 10:42	FW	TripBlank	<9	<9	<9
5/29/12 11:10	FW	TripBlank	<9	<9	<9
5/31/12 11:21	FW	TripBlank	<9	<9	<9
5/24/12 12:48	FW	TripBlank	<9	<9	<9
5/29/12 7:05	FW	TripBlank	<9	<9	<9
6/4/12 8:28	FW	TripBlank	<9	<9	<9
6/4/12 7:15	FW	TripBlank	<9	<9	<9
6/5/12 9:00	FW	TripBlank	<9	<9	<9
6/6/12 10:54	FW	TripBlank	<9	<9	<9
6/7/12 8:05	FW	TripBlank	<9	<9	<9
6/7/12 0:00	FW	TripBlank	<9	<9	<9
6/5/12 9:00	FW	TripBlank	<9	<9	<9
6/11/12 7:10	FW	TripBlank	<9	<9	<9
6/12/12 11:34	FW	TripBlank	<9	<9	<9
6/13/12 11:29	FW	TripBlank	<9	<9	<9
6/14/12 10:29	FW	TripBlank	<9	<9	<9
6/13/12 11:29	FW	TripBlank	<9	<9	<9
6/14/12 8:35	FW	TripBlank	<9	<9	<9
6/18/12 7:15	FW	TripBlank	<9	<9	<9
6/20/12 12:02	FW	TripBlank	<9	<9	<9
6/19/12 11:14	FW	TripBlank	<9	<9	<9
6/21/12 13:00	FW	TripBlank	<9	<9	<9
6/21/12 8:10	FW	TripBlank	<9	<9	<9
6/20/12 7:45	FW	TripBlank	<90	<9	<9
6/21/12 10:55	FW	TripBlank	<9	<9	<9
6/21/12 10:55	FW	TripBlank	<9	<9	<9
6/25/12 7:10	FW	TripBlank	<9	<9	<9
6/26/12 11:31	FW	TripBlank	<9	<9	<9
6/27/12 10:53	FW	TripBlank	<9	<9	<9
6/29/12 13:00	FW	TripBlank	<9	<9	<9
6/27/12 7:35	FW	TripBlank	<9	<9	<9
6/29/12 10:30	FW	TripBlank	<90	<9	<9

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Glyphosate

				GLYP
Lab	QASampleType	Date	Matrix	mg/L
WECK	Equipment Blank	10/6/11 15:00	FW	<5
WECK	Equipment Blank	6/12/12 10:40	FW	<5
WECK	Equipment Blank	12/15/11 0:00	FW	<5
WECK	Equipment Blank	3/20/12 0:00	FW	<5
WECK	Equipment Blank	10/6/11 0:00	FW	<5
WECK	Equipment Blank	8/31/11 0:00	FW	<25
WECK	Equipment Blank	12/13/11 13:25	SW	<25
WECK	Equipment Blank	6/13/12 11:40	FW	<25

Oil & Grease

				OGPG
Lab	QASampleType	Date	Matrix	mg/L
TRUSDL	Equipment Blank	5/3/12 8:24	FW	<5
TRUSDL	Equipment Blank	6/14/12 8:48	FW	<5
TRUSDL	Equipment Blank	5/17/12 8:12	FW	<5
TRUSDL	Equipment Blank	6/12/12 10:40	FW	<5
TRUSDL	Equipment Blank	3/14/12 0:00	FW	<5
TRUSDL	Equipment Blank	6/13/12 11:40	FW	<5
WECK	Equipment Blank	7/7/11 0:00	FW	<5
WECK	Equipment Blank	7/21/11 0:00	FW	<5
WECK	Equipment Blank	8/4/11 0:00	FW	<5
WECK	Equipment Blank	8/18/11 0:00	FW	<5
WECK	Equipment Blank	9/1/11 0:00	FW	<5
WECK	Equipment Blank	9/15/11 8:25	FW	<5
WECK	Equipment Blank	9/29/11 8:00	FW	<5
WECK	Equipment Blank	11/12/11 13:30	FW	<5
WECK	Equipment Blank	6/28/12 8:25	FW	<5
TRUSDL	Equipment Blank	5/31/12 0:00	FW	9.85

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Associated Nutrients

		Turbidity	AmmoniaN	NitrateNitrite	OrthoPhosphate	TKN	TotalPhosphorus	VSS
Date	Sample Type	NTU	mg/L					
8/9/11 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.4	<0.06	<5
8/31/11 0:00	EquipBlank	0.6	<0.1	<0.4	<0.02	<0.4	<0.06	<5
9/13/11 13:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
9/20/11 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
10/6/11 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
10/6/11 15:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
10/18/11 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
11/12/11 13:30	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
11/21/11 0:00	EquipBlank	<0.1	<0.1	<0.4		<0.2	<0.06	<5
12/13/11 13:25	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
12/15/11 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
12/29/11 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
3/2/12 14:30	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
3/8/12 0:00	EquipBlank	<0.1	<0.1	<0.2	<0.02	<0.2	<0.06	<5
3/14/12 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
3/19/12 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
3/17/12 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
3/20/12 0:00	EquipBlank	<0.4	<0.1	<0.4	<0.02	<0.2	<0.06	<5
4/18/12 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
5/1/12 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
5/9/12 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
5/31/12 0:00	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.4	<0.06	<5
6/12/12 10:40	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
6/13/12 11:40	EquipBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
7/5/11 0:00	TripBlank	<0.2	<0.1	<0.4	<0.02	<0.4	<0.06	<5
7/6/11 0:00	TripBlank	1.97	<0.1	<0.4	<0.02	<0.4	<0.06	<5
7/18/11 8:00	TripBlank	<0.1	<0.1	<0.05	<0.02	<0.4	<0.06	<5
7/21/11 12:45	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.4	<0.06	<5
7/28/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
8/2/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.4	<0.06	<5
8/23/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.4	<0.06	<5
8/24/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.4	<0.06	<5
8/29/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
8/30/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
9/7/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
9/8/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.4	<0.06	<5
9/21/11 0:00	TripBlank	<0.2	<0.1	<0.4	<0.02	<0.4	<0.06	<5
9/19/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
10/5/11 15:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
10/5/11 15:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
10/6/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
10/12/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
10/19/11 11:51	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
11/5/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
11/8/11 12:19	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
11/13/11 9:22	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5

Quality Assurance/ Quality Control Laboratory Blanks Results

Associated Nutrients

		Turbidity	AmmoniaN	NitrateNitrite	OrthoPhosphate	TKN	TotalPhosphorus	VSS
Date	Sample Type	NTU	mg/L					
11/16/11 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
11/30/11 0:00	TripBlank	0.3	<0.1	<0.4	<0.02	<0.2	<0.06	<5
12/12/11 11:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
12/13/11 11:15	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
12/14/11 0:00	TripBlank	<0.1	<0.1		<0.02	<0.2	<0.06	<5
12/15/11 7:30	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
12/21/11 12:35	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
1/4/12 11:20	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
1/9/12 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
1/10/12 10:50	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
1/10/12 10:50	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
1/19/12 0:00	TripBlank		<0.1	<0.4		<0.2	<0.06	
2/2/12 12:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
2/15/12 12:39	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
2/15/12 12:39	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
2/17/12 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
2/22/12 12:52	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
3/6/12 11:21	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
3/17/12 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
3/18/12 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
3/28/12 11:25	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
4/4/12 7:30	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.4	<0.06	<5
4/3/12 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
4/10/12 9:20	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
5/3/12 12:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
5/22/12 7:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
5/22/12 9:10	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
5/22/12 9:10	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
5/23/12 10:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
6/5/12 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
6/7/12 0:00	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5
6/14/12 8:35	TripBlank	<0.1	<0.1	<0.4	<0.02	<0.2	<0.06	<5

Quality Assurance/ Quality Control Laboratory Blanks Results

TSS

		TSS
Date	Sample Type	mg/L
8/9/11 0:00	EquipBlank	<5
8/31/11 0:00	EquipBlank	<5
9/13/11 13:00	EquipBlank	<5
10/6/11 0:00	EquipBlank	<5
10/6/11 15:00	EquipBlank	<5
11/12/11 13:30	EquipBlank	<5
11/21/11 0:00	EquipBlank	<5
12/29/11 0:00	EquipBlank	<5
3/14/12 0:00	EquipBlank	<5
3/2/12 14:30	EquipBlank	<5
3/8/12 0:00	EquipBlank	<5
5/1/12 0:00	EquipBlank	<5
4/18/12 0:00	EquipBlank	<5
5/9/12 0:00	EquipBlank	<5
6/12/12 10:40	EquipBlank	<5
6/13/12 11:40	EquipBlank	<5
10/18/11 0:00	EquipBlank	<5
3/19/12 0:00	EquipBlank	<5
3/17/12 0:00	EquipBlank	<5
3/20/12 0:00	EquipBlank	<5
9/20/11 0:00	EquipBlank	<5
12/13/11 13:25	EquipBlank	<5
12/15/11 0:00	EquipBlank	<5
5/31/12 0:00	EquipBlank	<5
5/3/12 8:24	EquipBlank	<5
5/31/12 0:00	EquipBlank	<5
6/14/12 8:48	EquipBlank	<5
6/28/12 8:25	EquipBlank	<5
12/13/11 13:25	EquipBlank	<5
5/17/12 8:12	EquipBlank	<5
7/11/11 0:00	EquipBlank	<5
7/21/11 0:00	EquipBlank	<5
7/7/11 0:00	EquipBlank	<5
8/4/11 0:00	EquipBlank	<5
8/18/11 0:00	EquipBlank	<5
9/1/11 0:00	EquipBlank	<5
9/15/11 8:25	EquipBlank	<5
9/29/11 8:00	EquipBlank	<5
7/6/11 0:00	TripBlank	<5
7/5/11 0:00	TripBlank	<5
7/28/11 0:00	TripBlank	<5
7/18/11 8:00	TripBlank	<5
7/21/11 12:45	TripBlank	<5
8/23/11 0:00	TripBlank	<5
8/24/11 0:00	TripBlank	<5
8/29/11 0:00	TripBlank	<5
9/21/11 0:00	TripBlank	<5
9/19/11 0:00	TripBlank	<5
11/8/11 12:19	TripBlank	<5

ASSOCIATED LABS**TDS**

		TDS
Date	Sample Type	mg/L
11/12/11 13:30	EquipBlank	<10
3/14/12 0:00	EquipBlank	<10
1/19/12 0:00	TripBlank	<10
9/7/11 0:00	TripBlank	<10
5/22/12 7:00	TripBlank	<10
3/6/12 11:21	TripBlank	<10
9/8/11 0:00	TripBlank	<10
5/23/12 10:00	TripBlank	<10

SO4

		SO4
Date	Sample Type	mg/L
8/30/11 0:00	TripBlank	<1
12/12/11 11:00	TripBlank	1.31
1/9/12 0:00	TripBlank	<1
2/17/12 0:00	TripBlank	<1
10/5/11 15:00	TripBlank	<1
3/18/12 0:00	TripBlank	<1
10/6/11 0:00	TripBlank	<1
5/23/12 10:00	TripBlank	<1
12/13/11 11:15	TripBlank	<1
5/22/12 7:00	TripBlank	<1
6/5/12 0:00	TripBlank	<1
8/23/11 0:00	TripBlank	<1
9/7/11 0:00	TripBlank	<1
10/5/11 15:00	TripBlank	<1
3/6/12 11:21	TripBlank	<1
4/3/12 0:00	TripBlank	<1
10/6/11 15:00	EquipBlank	<1
12/15/11 0:00	EquipBlank	<1
3/14/12 0:00	EquipBlank	<1
6/12/12 10:40	EquipBlank	<1
10/6/11 0:00	EquipBlank	<1
3/20/12 0:00	EquipBlank	<1

Quality Assurance/ Quality Control Laboratory Blanks Results

TSS

		TSS
Date	Sample Type	mg/L
10/5/11 15:00	TripBlank	<5
11/13/11 9:22	TripBlank	<5
11/30/11 0:00	TripBlank	<5
10/12/11 0:00	TripBlank	<5
12/21/11 12:35	TripBlank	<5
9/7/11 0:00	TripBlank	<5
1/21/12 0:00	TripBlank	<5
12/14/11 0:00	TripBlank	<5
12/15/11 7:30	TripBlank	<5
1/4/12 11:20	TripBlank	<5
2/15/12 12:39	TripBlank	<5
1/10/12 10:50	TripBlank	<5
1/10/12 10:50	TripBlank	<5
2/17/12 0:00	TripBlank	<5
9/8/11 0:00	TripBlank	<5
3/17/12 0:00	TripBlank	<5
10/5/11 15:00	TripBlank	<5
2/22/12 12:52	TripBlank	<5
4/4/12 7:30	TripBlank	<5
3/17/12 0:00	TripBlank	<5
10/6/11 0:00	TripBlank	<5
10/19/11 11:51	TripBlank	<5
3/28/12 11:25	TripBlank	<5
4/3/12 0:00	TripBlank	<5
11/5/11 0:00	TripBlank	<5
5/23/12 10:00	TripBlank	<5
12/13/11 11:15	TripBlank	<5
6/14/12 8:35	TripBlank	<5
12/15/11 7:30	TripBlank	<5
5/22/12 9:10	TripBlank	<5
6/7/12 0:00	TripBlank	<5
2/2/12 12:00	TripBlank	<5
2/15/12 12:39	TripBlank	<5
6/21/12 8:10	TripBlank	<5
3/6/12 11:21	TripBlank	<5
4/10/12 9:20	TripBlank	<5
5/3/12 12:00	TripBlank	<5
5/24/12 7:30	TripBlank	<5
8/2/11 0:00	TripBlank	<5
5/22/12 9:10	TripBlank	<5
6/7/12 0:00	TripBlank	<5
8/30/11 0:00	TripBlank	<5
11/16/11 0:00	TripBlank	<5
12/12/11 11:00	TripBlank	<5
1/9/12 0:00	TripBlank	<5
3/18/12 0:00	TripBlank	<5
5/10/12 8:15	TripBlank	<5
5/22/12 7:00	TripBlank	<5
6/5/12 0:00	TripBlank	<5

ASSOCIATED LABS**Total Organic Carbon**

		TOC
Date	Sample Type	mg/L
8/31/11 0:00	EquipBlank	<0.5
10/6/11 0:00	EquipBlank	<0.5
12/15/11 0:00	EquipBlank	<0.5
11/12/11 13:30	EquipBlank	<0.5
12/13/11 13:25	EquipBlank	<0.5
10/6/11 15:00	EquipBlank	<1
8/23/11 0:00	TripBlank	<0.5
8/24/11 0:00	TripBlank	1.5
10/5/11 15:00	TripBlank	<0.5
10/6/11 0:00	TripBlank	<1
12/15/11 7:30	TripBlank	<0.5
1/9/12 0:00	TripBlank	<0.5
8/30/11 0:00	TripBlank	<0.5
1/10/12 10:50	TripBlank	<0.5
12/13/11 11:15	TripBlank	<0.5
9/7/11 0:00	TripBlank	<0.5
9/19/11 0:00	TripBlank	<0.5
10/5/11 15:00	TripBlank	<0.5
1/10/12 10:50	TripBlank	<0.5
1/21/12 0:00	TripBlank	<0.5
9/8/11 0:00	TripBlank	<0.5
12/12/11 11:00	TripBlank	<0.5

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Weck Organophosphate Pesticides

Date	Matrix	Sample Type	Azinphos methyl (Guthion)	Bolstar	Chlorpyrifos	Coumaphos	Demeton-o	Demeton-s	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethyl Parathion	Fensulfthion	Fenthion	Malathion	Merphos	Mevinphos	Naled	Parathion-methyl	Phorate	Ronnel	Tetrachlorvinphos	Tokuthion	Trichloronate
			ng/L																							
9/8/11 0:00	SW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
9/22/11 8:28	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
10/5/11 15:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
10/5/11 15:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
10/6/11 0:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
11/30/11 0:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
12/12/11 11:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
12/13/11 11:15	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
12/15/11 7:30	SW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1/9/12 0:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1/10/12 10:50	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1/10/12 10:50	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1/19/12 0:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2/15/12 12:39	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2/17/12 0:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3/6/12 11:21	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3/17/12 0:00	SW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3/18/12 0:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4/4/12 7:30	SW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4/3/12 0:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/10/12 8:15	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/24/12 7:30	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/22/12 7:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/22/12 9:10	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/23/12 10:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
6/7/12 0:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
6/5/12 0:00	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
6/7/12 0:00	SW	TripBlank	<10	<10	56	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
6/21/12 8:10	FW	TripBlank	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Trace Metals

Lab	Sample Type	Date	Matrix	Ag	As	Cd	Cr	Cu	Fe	Ni	Pb	Se	Zn	Be	Sb	Tl	Hg
				ug/L													ng/L
PHYSIS	Equipment Blank	3/2/12 14:30	FW	<0.15	<0.45	<0.1	<0.25	<0.25	<5.65	<0.1	<0.05	<0.25	237.4				<0.02
PHYSIS	Equipment Blank	3/2/12 14:30	FW											<0.05	<0.2	<0.05	
WECK	Equipment Blank	11/21/11 0:00	FW	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5		<2				
WECK	Equipment Blank	7/11/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
PHYSIS	Equipment Blank	3/14/12 0:00	FW	<0.15	<0.45	<0.1	<0.25	<0.25	<5.65	<0.1	<0.05	<0.25	66.49				
PHYSIS	Equipment Blank	3/20/12 0:00	FW	<0.15	<0.45	<0.1	<0.25	0.32	<5.65	<0.1	<0.05	<0.25	<0.65				
PHYSIS	Equipment Blank	5/3/12 8:24	FW	<0.15	<0.45	<0.05	<0.05	0.29	<5.65	1.55	0.034	<0.1	1.33				
WECK	Equipment Blank	7/7/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	7/21/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	0.69	<20	<0.5	<0.5	<0.5	2.6				<0.05
WECK	Equipment Blank	8/4/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	2.2				<0.05
WECK	Equipment Blank	8/18/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	9/1/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	0.85	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	9/15/11 8:25	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	9/13/11 13:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	9/29/11 8:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	10/6/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	10/6/11 15:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	10/18/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	12/15/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	12/29/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	5/9/12 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	5/17/12 8:12	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	5/31/12 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	6/14/12 8:48	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	6/12/12 10:40	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	6/28/12 8:25	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	Equipment Blank	6/27/12 0:00	FW											<0.05	<0.2	<0.05	
WECK	Equipment Blank	8/31/11 0:00	FW	<0.05	<0.05	<0.01	<0.3	0.16	1.3	<0.5	<0.01	<0.1	<0.2				<0.2
WECK	Equipment Blank	11/12/11 13:30	FW	<0.05	<0.05	<0.01	<0.3	0.071	<1	<0.01	<0.01	<0.1	<0.2				<0.2
WECK	Equipment Blank	12/13/11 13:25	SW	<0.05	<0.05	<0.01	<0.3	0.13	<1	0.017	<0.01	<0.1	0.28				<0.2
WECK	Equipment Blank	6/13/12 11:40	FW	<0.05	<0.05	<0.01	<0.3	0.078	<1	<0.5	<0.01	<0.1	<2				<0.2
WECK	Equipment Blank	8/31/11 0:00	FW											<0.05	<0.2	<0.05	
WECK	Equipment Blank	11/12/11 13:30	FW											<0.05	<0.2	<0.05	
WECK	TripBlank	10/5/11 15:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2	<0.2	<0.5	<0.2	<0.05
WECK	TripBlank	11/5/11 0:00	FW	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5		<2				
WECK	TripBlank	11/13/11 9:22	FW	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5		<2				
WECK	TripBlank	1/24/12 10:20	FW	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5		<2				
WECK	TripBlank	7/12/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
WECK	TripBlank	8/11/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
WECK	TripBlank	8/31/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
WECK	TripBlank	8/30/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
WECK	TripBlank	9/7/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
WECK	TripBlank	10/5/11 15:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
WECK	TripBlank	10/6/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
WECK	TripBlank	5/22/12 7:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
WECK	TripBlank	5/23/12 10:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
WECK	TripBlank	6/15/12 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				
WECK	TripBlank	7/6/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	7/7/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	7/14/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	7/28/11 0:00	FW		<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	8/11/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	8/23/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	8/25/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Trace Metals

Lab	Sample Type	Date	Matrix	Ag	As	Cd	Cr	Cu	Fe	Ni	Pb	Se	Zn	Be	Sb	Tl	Hg
				ug/L													ng/L
WECK	TripBlank	9/8/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	2.3				<0.05
WECK	TripBlank	9/22/11 8:28	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	11/30/11 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	12/12/11 11:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	12/13/11 11:15	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	1/9/12 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	2/8/12 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	3/30/12 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	5/24/12 7:30	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	6/7/12 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	6/5/12 0:00	FW	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<2				<0.05
WECK	TripBlank	6/21/12 8:10	FW	<0.5	<0.5	<0.5	<0.5	0.73	<20	<0.5	<0.5	<0.5	3.4				<0.05
WECK	TripBlank	8/24/11 0:00	SW	<0.05	0.3	<0.01	<0.3	0.51	<1	0.012	0.03	<0.1	0.96	<0.05	<0.2	<0.05	0.5
WECK	TripBlank	9/8/11 0:00	SW	<0.05	<0.05	0.017	<0.3	<0.3	2.5	0.032	0.026	<0.1	1	<0.05	<0.2	<0.05	0.81
WECK	TripBlank	12/15/11 7:30	SW	<0.05	<0.05	<0.01	<0.3	<0.01	<1	<0.01	<0.01	<0.1	<0.2	<0.05	<0.2	<0.05	0.74
WECK	TripBlank	1/10/12 10:50	FW	<0.05	<0.05	<0.01	<0.3	0.018	<1	<0.5	<0.01	<0.1	<2	<0.05	<0.4	<0.05	<0.2
WECK	TripBlank	1/10/12 10:50	FW	<0.05	<0.05	<0.01	<0.3	0.012	<1	<0.5	<0.01	<0.1	<2	<0.05	<0.2	<0.05	<0.2
WECK	TripBlank	2/15/12 12:39	FW	<0.05	<0.05	<0.01	<0.3	<0.01	<1	<0.01	<0.01	<0.1	<2	<0.05	<0.2	<0.05	<0.2
WECK	TripBlank	3/17/12 0:00	SW	<0.05	<0.05	<0.01	<0.3	1	3.9	0.041	0.026	<0.1	0.79	<0.05	<0.2	<0.05	0.78
WECK	TripBlank	4/4/12 7:30	SW	0.1	<0.05	<0.01	<0.3	0.22	1.3	0.02	0.051	<0.1	0.49	<0.05	<0.2	<0.05	10
WECK	TripBlank	5/22/12 9:10	FW	<0.05	<0.05	<0.012	<0.3	1.7	1.2	<0.5	<0.5	<0.1	<2	<0.05	<0.2	<0.05	0.54
WECK	TripBlank	6/7/12 0:00	SW	<0.05	<0.05	<0.01	<0.3	0.94	2	0.035	0.039	<0.1	1.8	<0.05	<0.2	<0.05	0.71

Quality Assurance/ Quality Control Laboratory Blanks Results

Weck GM

Date	Matrix	Sample Type	pH	SpecCond	Turbidity	Alkalinity as CaCO3	B	Ca	Chloride	CO2
			SU	umho	NTU		mg/L			
7/11/11 0:00	FW	EquipBlank	6.89	<2	<0.1	<2	<0.01	<0.1	<0.5	<5
7/12/11 0:00	FW	TripBlank	7.14	<2	<0.1	<2	<0.01	<0.1	<0.5	<5
8/23/11 0:00	FW	TripBlank	6.85	0.9	<0.1				<1	
2/8/12 0:00	FW	TripBlank	7.65	<2	<0.1	<2	<0.01	<0.1	<0.5	<5
6/15/12 0:00	FW	TripBlank	7.78	<2	<0.1	<2	<0.01	<0.1	<0.5	<5

Date	Matrix	Sample Type	CO3	Fluoride	Hardness	HCO3	Hydroxide	K	Mg	Na	
			mg/L								
7/11/11 0:00	FW	EquipBlank	<2	<0.1	<0.66	<2	<2	<0.1	<0.1	<0.5	
7/12/11 0:00	FW	TripBlank	<2	<0.1	<0.66	<2	<2	<0.1	<0.1	<0.5	
8/23/11 0:00	FW	TripBlank									
2/8/12 0:00	FW	TripBlank	<2	<0.1	<0.66	<2	<2	<0.1	<0.1	<0.5	
6/15/12 0:00	FW	TripBlank	<2	<0.1	<0.66	<2	<2	<0.1	<0.1	<0.5	

Date	Matrix	Sample Type	NO3	Silica	Sulfate	TDS
			mg/L			
7/11/11 0:00	FW	EquipBlank	<0.5	<0.1	<0.5	<10
7/12/11 0:00	FW	TripBlank	<0.5	<0.1	<0.5	<10
8/23/11 0:00	FW	TripBlank	<0.4		<1	
2/8/12 0:00	FW	TripBlank	<0.5	<0.1	<0.5	<10

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

Weck TOC

							TOC
LogSheet ID	Date	Matrix	Sample Type	Analysis	Lab	mg/L	
6198	7/28/11 0:00	FW	TripBlank	TOC	WECK	<0.38	
6148	7/14/11 0:00	FW	TripBlank	TOC	WECK	<0.3	
6516	9/22/11 8:28	FW	TripBlank	TOC	WECK	<0.3	
6384	8/25/11 0:00	FW	TripBlank	TOC	WECK	<0.3	
6400	9/8/11 0:00	FW	TripBlank	TOC	WECK	0.45	
7143	4/11/12 0:00	FW	TripBlank	TOC	WECK	<0.3	
7114	4/4/12 7:30	SW	TripBlank	TOC	WECK	<0.3	
7115	4/3/12 0:00	FW	TripBlank	TOC	WECK	<0.3	
6228	8/11/11 0:00	FW	TripBlank	TOC	WECK	<0.3	
6233	8/11/11 0:00	FW	TripBlank	TOC	WECK	0.88	
6359	8/31/11 0:00	FW	TripBlank	TOC	WECK	0.89	
7161	5/10/12 8:15	FW	TripBlank	TOC	WECK	<0.3	
6117	00:00.0	FW	EquipBlank	TOC	WECK	<0.3	
6220	00:00.0	FW	EquipBlank	TOC	WECK	<0.3	
7157	24:00.0	FW	EquipBlank	TOC	WECK	<0.3	
6448	25:00.0	FW	EquipBlank	TOC	WECK	<0.3	
6547	00:00.0	FW	EquipBlank	TOC	WECK	<0.3	
6377	00:00.0	FW	EquipBlank	TOC	WECK	0.48	
6171	00:00.0	FW	EquipBlank	TOC	WECK	0.68	
6265	00:00.0	FW	EquipBlank	TOC	WECK	0.7	

Weck TDS

							TDS
LogSheet ID	Date	Matrix	Sample Type	Analysis	Lab	mg/L	
6228	8/11/11 0:00	FW	TripBlank	TDS	WECK	<10	
6359	8/31/11 0:00	FW	TripBlank	TDS	WECK	<10	
7012	00:00.0	FW	EquipBlank	TDS	WECK	<10	

**Quality Assurance/ Quality Control
Laboratory Blanks Results**

WECK Pyrethroid Pesticides

			Allethrin	Bifenthrin	Cyfluthrin	Cypermethrin	Deltamethrin	Esfenvalerate	L-Cyhalothrin	Permethrin	Prallethrin
Date	Matrix	Sample Type	ng/L								
7/5/2011	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
7/11/2011	FW	EquipBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
7/12/2011	FW	TripBlank	<2	5	<2	<2	<2	<2	<2	<5	<2
9/7/2011	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
10/5/2011	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
10/5/2011	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
10/6/2011	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
11/12/2011	FW	EquipBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
12/12/2011	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
12/13/2011	SW	EquipBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
12/13/2011	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
1/21/2012	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
2/15/2012	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
2/17/2012	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
3/17/2012	SW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
3/18/2012	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
3/20/2012	FW	EquipBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2
6/15/2012	FW	TripBlank	<2	<2	<2	<2	<2	<2	<2	<5	<2