Biological Analysis Report

NW-DIST-2014-02-25-02

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Overflow Analyses Performed By:
University of West Florida
11000 University Parkway
Pensacola, FL 32514
DOH Accreditation E71969

Event Description: **Project Greenshores**
Request ID: **RQ-2013-11-25-06**
Customer: **NW-DIST**
Project ID: **DISCRTNARY**

Send Reports to:
FL Dept. of Environmental Protection
160 Government Center
Suite 308
Pensacola, FL 32502-5794
Attn: Cheryl Bunch

For additional information please contact
David D. Whiting - Administrator
Elizabeth Miller - Bench Biology
Cheryl Swanson - Taxonomy (Invertebrate & Algal)
J. Marshall Faircloth - Aquatic Toxicology
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Phone (850) 245-8177

Certified by: Elizabeth Miller, Environmental Manager

Date Certified: 06-MAR-2014 13:42

NON-CONFORMANCE REPORT INCLUDED

Abbreviations and data remark codes

CERT # - NELAP (National Environmental Laboratory Accreditation Program) Certification Number of the laboratory that performed the analysis.
LCS – Laboratory Control Sample; in the QC Failures column, this notation indicates a batch recovery failure.
MS – Matrix Spike; in the QC Failures column, this notation indicates a batch recovery failure.
RPD – Relative Percent Difference; in the QC Failures column, this notation indicates a batch failure for precision.
CCV – Continuing Calibration Verification; in the QC Failures column, this notation indicates a failure of the calibration verification check sample.
SUR – Surrogate; in the QC Failures column, this notation indicates a recovery failure for the associated surrogate.
RSD – Relative Standard Deviation expressed as a percentage.
SMP – Sample.
** - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

A - Value reported is the mean of two or more determinations
B - Results based on colony counts outside the acceptable range.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J - Estimated value
K - Actual value is known to be less than value given
L - Actual value is known to be greater than value given
N - Presumptive evidence of presence of material.
O - Sampled, but analysis lost or not performed.
Q - Sample held beyond normal holding time.
T - Value reported is less than the criterion of detection.
U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
V - Analyte was detected in both sample and method blank.
X - Too few individuals to calculate SCI value.
Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate
Z - Colonies were too numerous to count (TNTC).

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example:
1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Precision is reported as relative percent difference unless otherwise noted.

Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published test performance acceptance criteria.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

All sample collection performed by Bureau of Laboratories staff followed the field Standard Operating Procedures adopted by reference in Rule 62-160 FAC unless otherwise noted.

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Results for NELAP accredited tests contained in this report meet the requirements specified by the National Environmental Laboratory Accreditation Conference (NELAC). All samples received were in acceptable condition and met NELAC requirements unless otherwise noted. Results generated in this report pertain to the samples collected and submitted for analysis.

All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Job: TLH-2014-02-25-31	Group: Chlorophyll/Grain Size/BOD
Job: TLH-2014-02-25-33	Group: Chlorophyll/Grain Size/BOD
Job: TLH-2014-02-25-36	Group: Overflow

Sample Location: Range Marker E. of Texar **Collection Date/Time: 02/24/2014 10:40 AM**

Field ID: 1 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579795	SM 5210 B	Biochemical Oxygen Demand-5 Day	3.2		mg/L	P264352	
1579814	SM 10200 H (mod.)	Chlorophyll-a, Corrected	7.2		ug/L	P264295	
		Phaeophytin-a	0.55	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6			P264295	
		Chlorophyll-a, Uncorrected	7.8		ug/L	P264295	
1579829	EPA 1600 (MF)	Enterococci-Membrane Filter	18	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	26	B	cfu/100 mL		

Sample Location: 1/2 Bridge and Muscogee **Collection Date/Time: 02/24/2014 10:52 AM**

Field ID: 2 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579796	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.9		mg/L	P264352	
1579815	SM 10200 H (mod.)	Chlorophyll-a, Corrected	4.4		ug/L	P264295	
		Phaeophytin-a	0.40	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6			P264295	
		Chlorophyll-a, Uncorrected	4.8		ug/L	P264295	
1579830	EPA 1600 (MF)	Enterococci-Membrane Filter	10	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	11	B	cfu/100 mL		

Sample Location: E. of Primary Stormdrain PGS1 **Collection Date/Time: 02/24/2014 10:58 AM**

Field ID: 3 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579797	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.6		mg/L	P264352	
1579816	SM 10200 H (mod.)	Chlorophyll-a, Corrected	4.3		ug/L	P264295	
		Phaeophytin-a	0.57	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6			P264295	
		Chlorophyll-a, Uncorrected	4.8		ug/L	P264295	
1579831	EPA 1600 (MF)	Enterococci-Membrane Filter	16	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	12	B	cfu/100 mL		

Sample Location: 100ft S. of Stormdrain **Collection Date/Time: 02/24/2014 11:04 AM**

Field ID: 4 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579798	SM 5210 B	Biochemical Oxygen Demand-5 Day	1.8	I	mg/L	P264352	
1579817	SM 10200 H (mod.)	Chlorophyll-a, Corrected	2.5		ug/L	P264295	
		Phaeophytin-a	0.46	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6			P264295	
		Chlorophyll-a, Uncorrected	2.9		ug/L	P264295	
1579832	EPA 1600 (MF)	Enterococci-Membrane Filter	12	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	15	B	cfu/100 mL		

Sample Location: End of Chase St. **Collection Date/Time: 02/24/2014 11:18 AM**

Field ID: 5 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579799	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.4		mg/L	P264352	
1579818	SM 10200 H (mod.)	Chlorophyll-a, Corrected	3.0		ug/L	P264295	
		Phaeophytin-a	0.42	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6			P264295	
		Chlorophyll-a, Uncorrected	3.4		ug/L	P264295	
1579833	EPA 1600 (MF)	Enterococci-Membrane Filter	20	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	22	B	cfu/100 mL		

Sample Location: 1/2 Muscogee and Hawkshaw 400ft. from shore **Collection Date/Time: 02/24/2014 11:25 AM**

Field ID: 6 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579800	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.9		mg/L	P264352	
1579819	SM 10200 H (mod.)	Chlorophyll-a, Corrected	3.6		ug/L	P264295	
		Phaeophytin-a	0.43	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6			P264295	
		Chlorophyll-a, Uncorrected	4.0		ug/L	P264295	
1579834	EPA 1600 (MF)	Enterococci-Membrane Filter	18	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	7	B	cfu/100 mL		

Sample Location: 1/2 Bridge and Port **Collection Date/Time: 02/24/2014 12:17 PM**

Field ID: 7 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579801	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.2		mg/L	P264352	
1579820	SM 10200 H (mod.)	Chlorophyll-a, Corrected	8.6		ug/L	P264295	
		Phaeophytin-a	0.40	U	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.7			P264295	
		Chlorophyll-a, Uncorrected	9.1		ug/L	P264295	
1579835	EPA 1600 (MF)	Enterococci-Membrane Filter	16	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	16	B	cfu/100 mL		

Sample Location: West of Stormdrain - Inside Rocks **Collection Date/Time: 02/24/2014 11:12 AM**

Field ID: 8 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579802	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.0		mg/L	P264352	
1579821	SM 10200 H (mod.)	Chlorophyll-a, Corrected	2.3		ug/L	P264295	
		Phaeophytin-a	0.52	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6			P264295	
		Chlorophyll-a, Uncorrected	2.7		ug/L	P264295	
1579836	EPA 1600 (MF)	Enterococci-Membrane Filter	18	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	15	B	cfu/100 mL		

Sample Location: W. End of Hawkshaw 100ft. S. of Outfall **Collection Date/Time: 02/24/2014 11:51 AM**

Field ID: 9 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579803	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.5		mg/L	P264352	
1579822	SM 10200 H (mod.)	Chlorophyll-a, Corrected	3.2		ug/L	P264295	
		Phaeophytin-a	0.58	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6			P264295	
		Chlorophyll-a, Uncorrected	3.7		ug/L	P264295	
1579837	EPA 1600 (MF)	Enterococci-Membrane Filter	129		cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	62		cfu/100 mL		

Sample Location: Between Marina and Outfall **Collection Date/Time: 02/24/2014 11:58 AM**

Field ID: 10 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579804	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.5	A	mg/L	P264352	
1579823	SM 10200 H (mod.)	Chlorophyll-a, Corrected	4.0		ug/L	P264295	
		Phaeophytin-a	0.52	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6			P264295	
		Chlorophyll-a, Uncorrected	4.5		ug/L	P264295	
1579838	EPA 1600 (MF)	Enterococci-Membrane Filter	84		cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	68		cfu/100 mL		

Sample Location: Entrance of Marina **Collection Date/Time: 02/24/2014 12:04 PM**

Field ID: 11 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579805	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.5		mg/L	P264352	
1579824	SM 10200 H (mod.)	Chlorophyll-a, Corrected	5.4	A	ug/L	P264295	
		Phaeophytin-a	0.55	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6	A		P264295	
		Chlorophyll-a, Uncorrected	6.0	A	ug/L	P264295	
1579839	EPA 1600 (MF)	Enterococci-Membrane Filter	46		cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	42		cfu/100 mL		

Ref. Method and Comment:
SM 10200 H (mod.): Laboratory duplicate result is 0.54 I for Phaeophytin-a. Precision data is unavailable due to the small amount of analyte in the QC sample.

Sample Location: 1/4 Between Bridge and Port 400 feet from shore **Collection Date/Time: 02/24/2014 12:12 PM**

Field ID: 12 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579806	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.7		mg/L	P264352	
1579825	SM 10200 H (mod.)	Chlorophyll-a, Corrected	4.9		ug/L	P264295	
		Phaeophytin-a	0.45	I	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.6			P264295	
		Chlorophyll-a, Uncorrected	5.3		ug/L	P264295	
1579840	EPA 1600 (MF)	Enterococci-Membrane Filter	14	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	7	B	cfu/100 mL		

Sample Location: Inside Hawkshaw Lagoon **Collection Date/Time: 02/24/2014 11:45 AM**

Field ID: 13 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579807	SM 5210 B	Biochemical Oxygen Demand-5 Day	3.7		mg/L	P264352	
1579826	SM 10200 H (mod.)	Chlorophyll-a, Corrected	12		ug/L	P264295	
		Phaeophytin-a	0.40	U	ug/L	P264295	
		Chlorophyll/Phaeophytin Ratio	1.7			P264295	
		Chlorophyll-a, Uncorrected	13		ug/L	P264295	
1579841	EPA 1600 (MF)	Enterococci-Membrane Filter	1280	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	760	B	cfu/100 mL		

Sample Location: E. of Stormdrain Inside Rocks **Collection Date/Time: 02/24/2014 11:33 AM**

Field ID: 14 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1579808	SM 5210 B	Biochemical Oxygen Demand-5 Day	2.2		mg/L	P264352	
1579827	SM 10200 H (mod.)	Chlorophyll-a, Corrected	2.9		ug/L	P264376	
		Phaeophytin-a	0.44	I	ug/L	P264376	
		Chlorophyll/Phaeophytin Ratio	1.6			P264376	
		Chlorophyll-a, Uncorrected	3.3		ug/L	P264376	
1579842	EPA 1600 (MF)	Enterococci-Membrane Filter	42		cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	21	B	cfu/100 mL		

Non-Conformance Report

NCR ID: 4828

Event(s)	Job(s)	Sample(s)	Test(s)
NW-DIST-2014-02-25-02			

NCR Type: SHIPPING/RECEIVING **NCR Category: Preservation Not Intact**

Observation: The following issue concerns RQ-2013-11-25-06.

Preservation was not intact for the plastic 500 mL bottle from site 1 containing the following tests (W-NH3, W-NO2NO3, W-S-A-TP, W-TKN).

Resolution: 1 vial of H2SO4 (Sulfuric Acid) was added to the sample container at 10:07 a.m. EST on 02/25/2014, effectively bringing the pH to < or = to 2.0.

Authorised by/Date: Kathryn Holland 3/3/2014

The Non-Conformance Report details exceptions or problems encountered with the events/jobs/samples/test.
Please address questions to:

Chemistry Tim Fitzpatrick (850) 245-8085
Biology David D. Whiting (850) 245-8177

Quality Assurance Report
Method Blank Results

Reference Method: SM 10200 H (mod.)
Batch ID: P264295

Component	Result	Code	Units
Chlorophyll-a, Corrected	0.55	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: SM 10200 H (mod.)
Batch ID: P264295

Component	Result	Code	Units
Chlorophyll-a, Uncorrected	0.40	U	ug/L
Phaeophytin-a	0.40	U	ug/L

Reference Method: SM 10200 H (mod.)
Batch ID: P264376

Component	Result	Code	Units
Chlorophyll-a, Corrected	0.55	U	ug/L
Chlorophyll-a, Uncorrected	0.40	U	ug/L
Phaeophytin-a	0.40	U	ug/L

Reference Method: SM 5210 B
Batch ID: P264352

Component	Result	Code	Units
Biochemical Oxygen Demand-5 Day	0.20	U	mg/L

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 10200 H (mod.)
Batch ID: P264295

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorophyll-a, Corrected	110		P	85 - 115

Reference Method: SM 10200 H (mod.)
Batch ID: P264376

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorophyll-a, Corrected	112		P	85 - 115

Reference Method: SM 5210 B
Batch ID: P264352

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Biochemical Oxygen Demand-5 Day	93.4		P	84 - 116

Quality Assurance Report
Precision

Reference Method: SM 10200 H (mod.)
Batch ID: P264295

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1579824	Chlorophyll/Phaeophytin Ratio	0.0	Sample	P	0 - 25
1579824	Chlorophyll-a, Corrected	4.17	Sample	P	0 - 25
1579824	Chlorophyll-a, Uncorrected	3.77	Sample	P	0 - 25

Quality Assurance Report
Precision

Reference Method: SM 10200 H (mod.)
Batch ID: P264376

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1580176	Chlorophyll/Phaeophytin Ratio	6.45	Sample	P	0 - 25
1580176	Chlorophyll-a, Corrected	5.86	Sample	P	0 - 25
1580176	Chlorophyll-a, Uncorrected	3.16	Sample	P	0 - 25

Reference Method: SM 5210 B
Batch ID: P264352

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1579804	Biochemical Oxygen Demand-5 Day	16.0	Sample	P	0 - 25

* Sample, spike and/or laboratory control sample precision (LCS) is reported.
Replicate spike precision may be reported when sample results are below quantifiable levels.

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery	Precision		
				LCS	SMP	MS
SM 10200 H (mod.)	Chlorophyll/Phaeophytin Ratio				0.0	
	Chlorophyll/Phaeophytin Ratio				6.45	
	Chlorophyll-a, Corrected	110			4.17	
	Chlorophyll-a, Corrected	112			5.86	
	Chlorophyll-a, Uncorrected				3.77	
	Chlorophyll-a, Uncorrected				3.16	
SM 5210 B	Biochemical Oxygen Demand-5 Day	93.4			16.0	

Reference Method Descriptions

Method / NELAC Cert. #	Description	Associated Samples
EPA 1600 (MF) / E71969	Enterococci by membrane filter method by UWF Overflow Laboratory for NWD	1579829, 1579830, 1579831, 1579832, 1579833, 1579834, 1579835, 1579836, 1579837, 1579838, 1579839, 1579840, 1579841, 1579842
SM 10200 H (mod.) / E31780	Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry	1579814, 1579815, 1579816, 1579817, 1579818, 1579819, 1579820, 1579821, 1579822, 1579823, 1579824, 1579825, 1579826, 1579827
SM 5210 B / E31780	BOD, NOT nitrogen-inhibited	1579795, 1579796, 1579797, 1579798, 1579799, 1579800, 1579801, 1579802, 1579803, 1579804, 1579805, 1579806, 1579807, 1579808
SM 9222 D / E71969	Fecal coliforms by membrane filter method by UWF Overflow Laboratory for NWD	1579829, 1579830, 1579831, 1579832, 1579833, 1579834, 1579835, 1579836, 1579837, 1579838, 1579839, 1579840, 1579841, 1579842

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 1600 (MF)	02/24/2014			02/24/2014 15:14	UWF Lab	1579829
	02/24/2014			02/24/2014 15:17	UWF Lab	1579830
	02/24/2014			02/24/2014 15:20	UWF Lab	1579831
	02/24/2014			02/24/2014 15:26	UWF Lab	1579832
	02/24/2014			02/24/2014 15:29	UWF Lab	1579833
	02/24/2014			02/24/2014 15:32	UWF Lab	1579834
	02/24/2014			02/24/2014 15:35	UWF Lab	1579835
	02/24/2014			02/24/2014 15:40	UWF Lab	1579836
	02/24/2014			02/24/2014 15:43	UWF Lab	1579837
	02/24/2014			02/24/2014 15:46	UWF Lab	1579838
	02/24/2014			02/24/2014 15:49	UWF Lab	1579839
	02/24/2014			02/24/2014 15:55	UWF Lab	1579840
	02/24/2014			02/24/2014 15:58	UWF Lab	1579841
	02/24/2014			02/24/2014 16:01	UWF Lab	1579842
SM 10200 H (mod.)	02/25/2014	02/25/2014 13:45	Jonathan M. Woods	02/27/2014	Kim M. Spencer	1579814, 1579815, 1579816, 1579817, 1579818, 1579819, 1579820, 1579821, 1579822, 1579823, 1579824, 1579825, 1579826
	02/25/2014	02/25/2014 13:45	Jonathan M. Woods	03/03/2014	Kim M. Spencer	1579827
SM 5210 B	02/25/2014			02/26/2014 08:40	Amelia G. Rankin	1579795, 1579796, 1579797, 1579798, 1579799, 1579800, 1579801, 1579802, 1579803, 1579804, 1579805, 1579806, 1579807, 1579808
SM 9222 D	02/24/2014			02/24/2014 14:51	UWF Lab	1579829
	02/24/2014			02/24/2014 14:54	UWF Lab	1579830
	02/24/2014			02/24/2014 14:56	UWF Lab	1579831
	02/24/2014			02/24/2014 15:02	UWF Lab	1579832
	02/24/2014			02/24/2014 15:05	UWF Lab	1579833
	02/24/2014			02/24/2014 15:08	UWF Lab	1579834
	02/24/2014			02/24/2014 15:11	UWF Lab	1579835
	02/24/2014			02/24/2014 15:17	UWF Lab	1579836
	02/24/2014			02/24/2014 15:20	UWF Lab	1579837
	02/24/2014			02/24/2014 15:23	UWF Lab	1579838
	02/24/2014			02/24/2014 15:25	UWF Lab	1579839
	02/24/2014			02/24/2014 15:31	UWF Lab	1579840
	02/24/2014			02/24/2014 15:35	UWF Lab	1579841
	02/24/2014			02/24/2014 15:38	UWF Lab	1579842