



**REPORT OF ANALYSIS**

Printed 02/27/2018

Hydrogeologist  
Palm Beach Solid Waste Authority  
7501 N. Jog Rd.  
West Palm Beach, FL 33412

Pace Project Number: 35370280

Report Period: 2018/Q1

**RECEIVED**

**MAR 15 2018**

Client Project ID: Central County Transfer Statio

**Lab Sample ID**

**Client Sample ID**

35370280001

CTSSE Blank 012518

35370280002

CTSW-1

35370280003

Metals Trip Blank 012518

Sincerely,

A handwritten signature in black ink that reads "Martha Montero".

Martha Montero

**Florida Certifications:**

E83079 - Ormond Beach

E86240 - South Florida

E87627 - Charlotte

**Pace Analytical Services, Inc.**

Project Name : Central County Transfer Statio  
 Diameter (in) :  
 Depth to Water (ft) :  
 Total Depth (ft) :  
 Top of Casing (ft) :

Order # : 35370280001  
 Sheen : No sheen  
 Color : Clear  
 Odor : No odor  
 Matrix : DI Water

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility WACS ID : PBCC01  
 Test Site ID # : NA  
 Well Name : CTSSE Blank 012518  
 Classification of Ground Water : Equipment Blank  
 Groundwater Elevation (NGVD) : \_\_\_\_\_

Sampling Date/Time : 01/25/2018 12:40  
 Report Period : 2018/Q1  
 Well Purge (Y/N) : N  
 Well Type : ( ) Background ( ) Compliance  
 ( ) Intermediat ( X ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filter	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units		Dilution Factor
							MDL	PQL	

**FIELD PARAMETERS**

000537	Field Specific Conductance	Grab	N		01/25/2018 12:40	3.9 umhos/cm			umhos/cm	1
000010	Field Temperature	Grab	N		01/25/2018 12:40	23.2 deg C			deg C	1
000664	Field pH	Grab	N		01/25/2018 12:40	6.01 Std. Units			Std. Units	1
082078	Turbidity	Grab	N		01/25/2018 12:40	0.31 NTU			NTU	1

**OTHER**

000593	Chloride	Grab	N	EPA 300.0	01/26/2018 18:48	<2.5 mg/L	2.5	5.0	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	01/26/2018 18:48	<2.5 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	02/01/2018 12:24	<0.035 mg/L	0.035	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	02/06/2018 14:02	<0.086 mg/L	0.086	0.50	mg/L	1
000620	Nitrogen, Nitrate	Grab	N	EPA 353.2	01/26/2018 11:09	<0.025 mg/L	0.025	0.050	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	01/31/2018 15:16	<12.5 mg/L	12.5	20.0	mg/L	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	02/06/2018 17:20	<5.0 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	02/01/2018 18:59	<5.0 mg/L	5.0	5.0	mg/L	1
038260	MBAS, Calculated as LAS	Grab	N	SM 5540C	01/26/2018 13:23	<0.099 mg/L	0.099	0.20	mg/L	1

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	02/05/2018 09:46	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	02/05/2018 09:46	<5.0 ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	02/05/2018 09:46	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	02/05/2018 09:46	<20.0 ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	02/05/2018 09:46	<0.50 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	01/31/2018 05:19	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	01/31/2018 05:19	1.2 ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	01/31/2018 05:19	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	01/31/2018 05:19	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	02/05/2018 11:23	<0.10 ug/L	0.10	0.20	ug/L	1

**ORGANICS**

	Oil and Grease	Grab	N	EPA 1664B	02/01/2018 05:00	<1.1 mg/L	1.1	5.0	mg/L	1
	Petroleum Range Organics	Grab	N	FL-PRO	01/29/2018 18:22	<0.78 mg/L	0.78	0.97	mg/L	1

**Pace Analytical Services, Inc.**

Project Name : Central County Transfer Statio  
 Diameter (in) :  
 Depth to Water (ft) :  
 Total Depth (ft) :  
 Top of Casing (ft) :

Order # : 35370280002  
 Sheen : No sheen  
 Color : Light yellow  
 Odor : None  
 Matrix : Surface Water

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility WACS ID : PBCC01  
 Test Site ID # : PBCC09  
 Well Name : CTSW-1  
 Classification of Ground Water : SW-IIIF  
 Groundwater Elevation (NGVD) : \_\_\_\_\_

Sampling Date/Time : 01/25/2018 12:50  
 Report Period : 2018/Q1  
 Well Purge (Y/N) : N  
 Well Type : ( ) Background ( ) Compliance  
 ( ) Intermediat ( X ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filter	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units		Dilution Factor
							MDL	PQL	

**FIELD PARAMETERS**

000537	Field Specific Conductance	Grab	N		01/25/2018 12:50	266 umhos/cm			umhos/cm	1
000010	Field Temperature	Grab	N		01/25/2018 12:50	24.1 deg C			deg C	1
000664	Field pH	Grab	N		01/25/2018 12:50	8.33 Std. Units			Std. Units	1
082078	Turbidity	Grab	N		01/25/2018 12:50	1.64 NTU			NTU	1

**OTHER**

000593	Chloride	Grab	N	EPA 300.0	01/26/2018 19:10	20.1 mg/L	2.5	5.0	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	01/26/2018 19:10	15.6 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	02/01/2018 12:26	<0.035 mg/L	0.035	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	02/06/2018 14:03	0.70 mg/L	0.086	0.50	mg/L	1
000620	Nitrogen, Nitrate	Grab	N	EPA 353.2	01/26/2018 11:11	<0.025 mg/L	0.025	0.050	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	01/31/2018 15:16	35.4 mg/L	12.5	20.0	mg/L	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	02/06/2018 17:26	86.3 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	02/01/2018 18:59	156 mg/L	5.0	5.0	mg/L	1
038260	MBAS, Calculated as LAS	Grab	N	SM 5540C	01/26/2018 13:23	0.10 mg/L	0.099	0.20	mg/L	1

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	02/05/2018 09:52	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	02/05/2018 09:52	7.7 ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	02/05/2018 09:52	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	02/05/2018 09:52	34.5 ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	02/05/2018 09:52	14.6 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	01/31/2018 05:22	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	01/31/2018 05:22	<0.93 ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	01/31/2018 05:22	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	01/31/2018 05:22	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	02/05/2018 11:25	<0.10 ug/L	0.10	0.20	ug/L	1

**ORGANICS**

	Oil and Grease	Grab	N	EPA 1664B	02/01/2018 05:00	<1.1 mg/L	1.1	5.0	mg/L	1
	Petroleum Range Organics	Grab	N	FL-PRO	01/29/2018 18:22	<0.76 mg/L	0.76	0.95	mg/L	1

**Pace Analytical Services, Inc.**

Project Name : Central County Transfer Statio  
 Diameter (in) :  
 Depth to Water (ft) :  
 Total Depth (ft) :  
 Top of Casing (ft) :

Order # : 35370280003  
 Sheen : No Sheen  
 Color : Clear  
 Odor : No Odor  
 Matrix : DI Water

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility WACS ID : PBCC01  
 Test Site ID # : CTSSEB-  
 Well Name : Metals Trip Blank 012518  
 Classification of Ground Water : Equipment Blank  
 Groundwater Elevation (NGVD) : \_\_\_\_\_

Sampling Date/Time : 01/25/2018 00:01  
 Report Period : 2018/Q1  
 Well Purge (Y/N) : N  
 Well Type : ( ) Background ( ) Compliance  
 ( ) Intermediat ( X ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filter	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units		Dilution Factor
							MDL	PQL	

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	02/05/2018 09:57	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	02/05/2018 09:57	<5.0 ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	02/05/2018 09:57	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	02/05/2018 09:57	<20.0 ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	02/05/2018 09:57	<0.50 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	01/31/2018 05:24	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	01/31/2018 05:24	<0.93 ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	01/31/2018 05:24	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	01/31/2018 05:24	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	02/05/2018 11:27	<0.10 ug/L	0.10	0.20	ug/L	1

WO# : 35370280

Face Analytic  
www.faceanalytic.com



PR SWA  
Company Name:  
7501 N. Jog Road, WPB, FL 33412

Contact: Thomas Sirna  
Phone: 561 640-4000  
Fax: 561 640-3400

Project: Citrus County Transfer Station  
Address: Andrew White Prol #

City: State: Zip: Fax#

Phone: email:

Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

Signature: [Signature]

OF CUSTODY RECORD

Quote: \_\_\_\_\_ Page 12 of \_\_\_\_\_

LAB ANALYSIS

Sample #	Sample	TRC	pH	Pres Codes	Parameters	Letter of: 1-2-18	See page 2	# of Containers Size/Type				COC Condition	Required State Certification	
								1	16ozP	1	16ozP			
1	STSE Blank - 12518													
2	CTSW-1 12511													
3														
4	Metal Trip Island - 012518													
5														
6														
7														
8														
9														
10														

Item	Relinquished by	Date	Affiliation	Received by	EDD (Fees May Apply)	COC Condition	Required State Certification	Coolers #'s - Temp °C						
								FL	GA	SC	NC	NJ	1	2
1	Branch [Signature]	12518 14:25	Face	[Signature]	ADAPT SEDD ERPIMS TSV	OK	FL GA SC NC NJ PA LA TX IL	1	2	3	4	5		
2	Branch [Signature]	12518 17:45	Face	[Signature]	ADAPT SEDD ERPIMS TSV	OK	FL GA SC NC NJ PA LA TX IL	1	2	3	4	5		
3														
4														

Remarks: Profile 3193  
SEE FIELD SHEETS FOR FIELD PARAMETERS

C.O.C. Serial # 121732

Revision: F-ALL-C-007 - Rev. 00

Pompano Lab 954-582-4300

**CENTRAL COUNTY TRANSFER STATION      SURFACE WATER**

**SWA PERMIT # C.O.A.F.5.E I & II**

- 1 Surface Water: CTSW-1
- 1 Equipment Blank CTSSE Blank-

**Parameters (Matrix: Surface Water)**

**A. Metals**

Arsenic	Chromium	Lead	Sodium
Barium	Copper	Mercury	Selenium
Cadmium	Iron		

**B. Indicator Parameters**

- ✓Ammonia Nitrogen      ✓Nitrate N      ✓Oil & Grease
- ✓Total Alkalinity      ✓TKN (Total Kjehdahl Nitrogen)      ✓Sulfate
- ✓C.O.D.      ✓TDS (Total Dissolved Solids)      ✓Chloride
- ✓TRPH (Total Recoverable Petroleum Hydrocarbons)
- ✓Foaming Agents (MBAS)

**C. Field Parameters**

- Conductivity (field)
- pH (field)
- Temperature (field)
- Turbidity (field)

**READ STAFF GUAGE**

**READ METER AT MASTER PUMP STATION**

2 of 2 COC 121732

# SOLID WASTE AUTHORITY

## DIVISION OF ENVIRONMENTAL PROGRAMS

### EQUIPMENT BLANK DATA SHEET

Facility Identification: Central County Transfer Station Facility GMS#

Sample Type: Grab

Sample Name: CTSSEBLANK-02518 Date: 1-25-18

Time: 12:40

Equipment blanks are collected before sampling .  
 DI water supplied  
 by the Laboratory is poured into the precleaned equipment.  
 and then poured into the sample bottles.  
 This process is repeated until all sampling bottles are filled.

Notes and Comments  
 Weather: Ptly sunny  
 cool windy  
 Conductivity on scale X 05  
 PH < 2.0 in preservative

Field Parameters	Units	Standard Appearance
Temperature:	23.2 C	Color: clear  no odor no sheen
Specific Cond:	3.9 uMHOS/cm	
Redox Potential		
PH:	6.01 Std. Units	
Turb:	0.31 NTU	
D.O.	Mg/L	

Pure DI  
 Water 1206174L4  
 011618  
 4L-3  
 Bucket# H  
 Beaker# 7

Sample Container Inventory

Quantity	Size	Type	Preservation	Analysis

Sampled By: Cynthia Denny  
Malden

Method of Shipment Pure

# SOLID WASTE AUTHORITY

## DIVISION OF ENVIRONMENTAL PROGRAMS

### SURFACE SITE DATA SHEET

Facility Identification: Central County Transfer Station

Sample Type: Grab

Sample Name: **CTSW-1**

WACS Facility ID: **PBCC01**

WACS Test Site ID: **PBCC09**

Date: 1-25-18

Time: 12:50

Depth of Sample: ≈ 2-4"

Description: Adjacent to Storm water structure in pond

Staff gauge north: \_\_\_\_\_

Staff gauge south: 10.06

Master Pump station Meter: 395061

Notes and Comments

Weather: Partly sunny  
windy, cool

Conductivity on scale X us

PH < 2.0 in preservative

Field Parameters	Units	Standard Appearance
Temperature:	<u>24.1</u> C	Color: <u>light yellow/cw</u>
Specific Cond:	uMHOS/cm	
Specific Cond: ATC	<u>266</u> uMHOS/cm	Odor: <u>none</u>  <u>no sheen</u>
PH:	<u>8.33</u> Std. Units	
Turb:	<u>1.64</u> NTU	Bucket# <u>14</u>  Beaker# <u>Ⓟ</u>
D.O.	Mg/L	

#### Sample Container Inventory

Quantity	Size	Type	Preservation	Analysis

Sampled By: Brian DeCary

[Signature]

Method of Shipment \_\_\_\_\_





Document Name:  
Sample Condition Upon Receipt Form  
Document No.:  
F-FL-C-007 rev. 12

Document Revised:  
August 2, 2017  
Issuing Authority:  
Pace Florida Quality Office

**WO# : 35370280** (SCUR)

**Project #** PM: MIM **Due Date:** 02/05/18  
**Project Manager** CLIENT: 36-PBCSWA  
**Client:**

**Date and Initials of person:**  
Examining contents: \_\_\_\_\_  
Label: \_\_\_\_\_  
Deliver: JS  
pH: \_\_\_\_\_

Thermometer Used: T-301 Date: 2/26/18 Time: 0205 Initials: JS

State of Origin: \_\_\_\_\_  
Cooler #1 Temp. °C 3.9 (Visual) to 0 (Correction Factor) 3.9 (Actual)  
Cooler #2 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)  
Cooler #3 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)  
Cooler #4 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)  
Cooler #5 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)  
Cooler #6 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other \_\_\_\_\_  
Shipping Method:  First Overnight  Priority Overnight  Standard Overnight  Ground  International Priority  
 Other \_\_\_\_\_

Billing:  Recipient  Sender  Third Party  Credit Card  Unknown

Tracking # \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No Seals Intact:  Yes  No Ice: Wet Blue Dry None  
Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_  
Samples shorted to lab (If Yes, complete) Shorted Date: \_\_\_\_\_ Shorted Time: \_\_\_\_\_ Qty: \_\_\_\_\_

		Comments:
Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sufficient Volume	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution:  
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution (use back for additional comments):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_