



**REPORT OF ANALYSIS**

Printed 08/25/2012

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

Pace Project Number: 3564006  
Report Period: 2012/Q3

Client Project ID: Central Transfer Station Groun

Lab Sample ID	Client Sample ID
3564006001	CTMW-1I
3564006002	CTMW-1S
3564006003	CTSF BLANK -080212
3564006004	Metals Trip Blank -080212

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AUG 25 2012  
**RECEIVED**

Sincerely,

Martha Montero

**Florida Certifications:**  
E83079 - Ormond Beach



## CASE NARRATIVE SUMMARY

**Client Name:** Palm Beach Solid Waste Authority  
**Project Name:** Central Transfer Station Groun

Pace Project Number: 3564006

Date Received: 08/03/2012

Report Date: 08/25/2012

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D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Order # : 3564006001

Pace Analytical Services, Inc.

Client : Palm Beach Solid Waste Authority

Project Name : Central Transfer Station

Diameter (in) : 2

Sheen : None

Depth to Water (ft) : 11.90

Color : Lt. Yellow

Total Depth (ft) : 69.30

Odor : None

Top of Casing (ft) : 22.31

Matrix : Ground Water

Evacuation (gal) : 30

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility GMS # : Permit COAF5E I&II  
 Test Side ID # : PBCC02  
 Well Name : CTMW-1I  
 Classification of Ground Water : G-II  
 Groundwater Elevation (NGVD) : 10.41

Sampling Date/Time : 08/02/2012 11:40  
 Report Period : 2012/Q3  
 Well Purge (Y/N) : Y  
 Well Type : ( ) Background  
 ( ) Intermediate  
 ( X ) Compliance  
 ( ) 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		08/02/2012 11:40	530 umhos/cm	1.0	1.0	umhos/cm	1
000010	Field Temperature	Grab	N		08/02/2012 11:40	25.9 deg C	0.50	0.50	deg C	1
000664	Field pH	Grab	N		08/02/2012 11:40	6.93 Std. Units	0.10	0.10	Std. Units	1
082078	Turbidity	Grab	N		08/02/2012 11:40	0.73 NTU	1.0	1.0	NTU	1

**OTHER**

000593	Chloride	Grab	N	EPA 300.0	08/03/2012 13:54	15.1 mg/L	2.5	5.0	mg/L	1
000620	Nitrate as N	Grab	N	EPA 300.0	08/03/2012 13:54	<0.025 mg/L	0.025	0.050	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	08/03/2012 13:54	34.8 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	08/07/2012 09:05	0.052 mg/L	0.020	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	08/09/2012 10:30	0.41 mg/L	0.086	0.50	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	08/08/2012 09:14	32.7 mg/L	12.5	20.0	mg/L	1
	True Color	Grab	N	SM 2120B	08/03/2012 09:30	35.0 units	5.0	5.0	units	1
	Threshold Odor Number	Grab	N	SM 2150B	08/03/2012 09:34	<1.0 TON	1.0	1.0	TON	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	08/13/2012 12:48	199 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	08/08/2012 14:29	221 mg/L	5.0	5.0	mg/L	1
000745	Sulfide	Grab	N	SM 4500-S2E	08/06/2012 12:00	<1.0 mg/L	1.0	1.0	mg/L	1
	Surfactants	Grab	N	SM 5540C	08/03/2012 13:24	0.10 mg/L	0.059	0.20	mg/L	1

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	08/04/2012 17:26	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	08/04/2012 17:26	16.0 ug/L	5.0	10.0	ug/L	1
001027	Cadmium	Grab	N	EPA 6010	08/04/2012 17:26	<0.50 ug/L	0.50	1.0	ug/L	1
001042	Copper	Grab	N	EPA 6010	08/04/2012 17:26	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	08/04/2012 17:26	845 ug/L	20.0	40.0	ug/L	1
000572	Lead	Grab	N	EPA 6010	08/04/2012 17:26	<5.0 ug/L	5.0	10.0	ug/L	1
001147	Selenium	Grab	N	EPA 6010	08/04/2012 17:26	<7.5 ug/L	7.5	15.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	08/04/2012 17:26	12.9 mg/L	0.50	1.0	mg/L	1
001034	Chromium	Grab	N	EPA 6020	08/07/2012 20:10	0.90 mg/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	08/06/2012 09:20	<0.10 ug/L	0.10	0.20	ug/L	1

**ORGANICS**

	Total Petroleum Hydrocarbons	Grab	N	EPA 1664A	08/06/2012 16:53	<1.5 mg/L	1.5	5.3	mg/L	1
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Order # : 3564006002

Pace Analytical Services, Inc.

Client : Palm Beach Solid Waste Authority

Project Name : Central Transfer Station

Diameter (in) : 2  
 Depth to Water (ft) : 11.84  
 Total Depth (ft) : 36.60  
 Top of Casing (ft) : 22.27  
 Evacuation (gal) : 30

Sheen : None  
 Color : Very Lt. Yellow  
 Odor : None  
 Matrix : Ground Water

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility GMS # : Permit COAF5E I&II  
 Test Side ID # : PBCC01  
 Well Name : CTMW-1S  
 Classification of Ground Water : G-II  
 Groundwater Elevation (NGVD) : 10.43

Sampling Date/Time : 08/02/2012 11:48  
 Report Period : 2012/Q3  
 Well Purge (Y/N) : Y  
 Well Type : ( ) Background  
 ( ) Intermediate  
 ( X ) Compliance  
 ( ) 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		08/02/2012 11:48	295 umhos/cm	1.0	1.0	umhos/cm	1
000010	Field Temperature	Grab	N		08/02/2012 11:48	26.5 deg C	0.50	0.50	deg C	1
000664	Field pH	Grab	N		08/02/2012 11:48	7.05 Std. Units	0.10	0.10	Std. Units	1
082078	Turbidity	Grab	N		08/02/2012 11:48	0.89 NTU	1.0	1.0	NTU	1

**OTHER**

000593	Chloride	Grab	N	EPA 300.0	08/03/2012 23:12	11.2 mg/L	2.5	5.0	mg/L	1
000620	Nitrate as N	Grab	N	EPA 300.0	08/03/2012 23:12	<0.025 mg/L	0.025	0.050	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	08/03/2012 23:12	9.5 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	08/07/2012 09:06	0.080 mg/L	0.020	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	08/09/2012 10:31	0.291 mg/L	0.086	0.50	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	08/08/2012 09:14	19.21 mg/L	12.5	20.0	mg/L	1
	True Color	Grab	N	SM 2120B	08/03/2012 09:30	10.0 units	5.0	5.0	units	1
	Threshold Odor Number	Grab	N	SM 2150B	08/03/2012 09:34	<1.0 TON	1.0	1.0	TON	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	08/13/2012 12:54	115 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	08/08/2012 14:29	210 mg/L	5.0	5.0	mg/L	1
000745	Sulfide	Grab	N	SM 4500-S2E	08/06/2012 12:00	<1.0 mg/L	1.0	1.0	mg/L	1
	Surfactants	Grab	N	SM 5540C	08/03/2012 13:24	0.0901 mg/L	0.059	0.20	mg/L	1

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	08/04/2012 17:38	5.31 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	08/04/2012 17:38	22.7 ug/L	5.0	10.0	ug/L	1
001027	Cadmium	Grab	N	EPA 6010	08/04/2012 17:38	<0.50 ug/L	0.50	1.0	ug/L	1
001042	Copper	Grab	N	EPA 6010	08/04/2012 17:38	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	08/04/2012 17:38	984 ug/L	20.0	40.0	ug/L	1
000572	Lead	Grab	N	EPA 6010	08/04/2012 17:38	<5.0 ug/L	5.0	10.0	ug/L	1
001147	Selenium	Grab	N	EPA 6010	08/04/2012 17:38	<7.5 ug/L	7.5	15.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	08/04/2012 17:38	7.3 mg/L	0.50	1.0	mg/L	1
001034	Chromium	Grab	N	EPA 6020	08/07/2012 20:23	1.0 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	08/06/2012 09:26	<0.10 ug/L	0.10	0.20	ug/L	1

**ORGANICS**

	Total Petroleum Hydrocarbons	Grab	N	EPA 1664A	08/06/2012 16:53	<1.4 mg/L	1.4	5.1	mg/L	1
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Order # : 3564006003

Pace Analytical Services, Inc.

Client : Palm Beach Solid Waste Authority

Project Name : Central Transfer Station

Diameter (in) : 0

Sheen : No sheen

Depth to Water (ft) : 0

Color : Clear

Total Depth (ft) : 0

Odor : No odor

Top of Casing (ft) : 0

Matrix : DI Water

Evacuation (gal) : 0

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility GMS # : Permit COAF5E I&II

Sampling Date/Time : 08/02/2012 11:20

Test Side ID # : NA

Report Period : 2012/Q3

Well Name : CTSF BLANK -080212

Well Purge (Y/N) : N

Classification of Ground Water : Field Blank

Well Type : ( ) Background

Groundwater Elevation (NGVD) : \_\_\_\_\_

( ) Intermediate

( ) Compliance

( 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		08/02/2012 11:20	3.6 umhos/cm	1.0	1.0	umhos/cm	1
000010	Field Temperature	Grab	N		08/02/2012 11:20	25.7 deg C	0.50	0.50	deg C	1
000664	Field pH	Grab	N		08/02/2012 11:20	7.15 Std. Units	0.10	0.10	Std. Units	1
082078	Turbidity	Grab	N		08/02/2012 11:20	0.40 NTU	1.0	1.0	NTU	1

**OTHER**

000593	Chloride	Grab	N	EPA 300.0	08/03/2012 15:43	<2.5 mg/L	2.5	5.0	mg/L	1
000620	Nitrate as N	Grab	N	EPA 300.0	08/03/2012 15:43	0.11 mg/L	0.025	0.050	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	08/03/2012 15:43	<2.5 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	08/07/2012 11:27	<0.040D3 mg/L	0.040	0.10	mg/L	2
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	08/09/2012 10:32	<0.086 mg/L	0.086	0.50	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	08/08/2012 09:14	<12.5 mg/L	12.5	20.0	mg/L	1
	True Color	Grab	N	SM 2120B	08/03/2012 09:30	<5.0 units	5.0	5.0	units	1
	Threshold Odor Number	Grab	N	SM 2150B	08/03/2012 09:34	<1.0 TON	1.0	1.0	TON	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	08/13/2012 12:57	<5.0 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	08/08/2012 14:29	<5.0 mg/L	5.0	5.0	mg/L	1
000745	Sulfide	Grab	N	SM 4500-S2E	08/06/2012 12:00	<1.0 mg/L	1.0	1.0	mg/L	1
	Surfactants	Grab	N	SM 5540C	08/03/2012 13:24	<0.059 mg/L	0.059	0.20	mg/L	1

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	08/04/2012 17:42	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	08/04/2012 17:42	13.1 ug/L	5.0	10.0	ug/L	1
001027	Cadmium	Grab	N	EPA 6010	08/04/2012 17:42	<0.50 ug/L	0.50	1.0	ug/L	1
001042	Copper	Grab	N	EPA 6010	08/04/2012 17:42	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	08/04/2012 17:42	<20.0 ug/L	20.0	40.0	ug/L	1
000572	Lead	Grab	N	EPA 6010	08/04/2012 17:42	<5.0 ug/L	5.0	10.0	ug/L	1
001147	Selenium	Grab	N	EPA 6010	08/04/2012 17:42	<7.5 ug/L	7.5	15.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	08/04/2012 17:42	<0.50 mg/L	0.50	1.0	mg/L	1
001034	Chromium	Grab	N	EPA 6020	08/07/2012 20:29	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	08/06/2012 09:28	<0.10 ug/L	0.10	0.20	ug/L	1

**ORGANICS**

	Total Petroleum Hydrocarbons	Grab	N	EPA 1664A	08/06/2012 16:53	<1.4 mg/L	1.4	5.2	mg/L	1
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Order # : 3564006004

Pace Analytical Services, Inc.

Client : Palm Beach Solid Waste Authority

Project Name : Central Transfer Station

Diameter (in) : 0

Sheen : 0

Depth to Water (ft) : 0

Color : 0

Total Depth (ft) : 0

Odor : 0

Top of Casing (ft) : 0

Matrix : DI Water

Evacuation (gal) : 0

PARAMETER MONITORING REPORT

Part III Analytical Results

Facility GMS # : Permit COAF5E I&II

Sampling Date/Time : 08/02/2012 08:00

Test Side ID # : NA

Report Period : 2012/Q3

Well Name : Metals Trip Blank -080212

Well Purge (Y/N) : N

Classification of Ground Water : Trip Blank

Well Type : ( ) Background

( ) Intermediate

( X ) Compliance

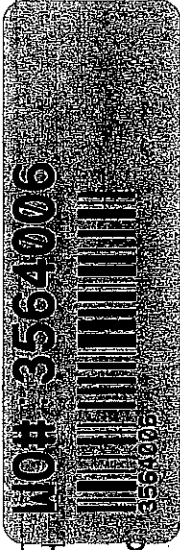
( ) Other

Groundwater Elevation (NGVD) :

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	08/04/2012 17:46	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	08/04/2012 17:46	<5.0 ug/L	5.0	10.0	ug/L	1
001027	Cadmium	Grab	N	EPA 6010	08/04/2012 17:46	<0.50 ug/L	0.50	1.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	08/04/2012 17:46	<2.5 ug/L	2.5	5.0	ug/L	1
001042	Copper	Grab	N	EPA 6010	08/04/2012 17:46	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	08/04/2012 17:46	<20.0 ug/L	20.0	40.0	ug/L	1
000572	Lead	Grab	N	EPA 6010	08/04/2012 17:46	<5.0 ug/L	5.0	10.0	ug/L	1
001147	Selenium	Grab	N	EPA 6010	08/04/2012 17:46	<7.5 ug/L	7.5	15.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	08/04/2012 17:46	<0.50 mg/L	0.50	1.0	mg/L	1
000576	Mercury	Grab	N	EPA 7470	08/06/2012 09:31	<0.10 ug/L	0.10	0.20	ug/L	1



Pace Analytical  
www.pacelabs.com

Company Name: P.B. SWA PO#  
 Address: 7501 N. 105th Rd  
 City: WPS State: PL Zip: 33412  
 Attn: Thomas Sims Fax: 646-346-346  
 email: 646-4000  
Central County Transfer Station

Project Name: Remediation  
 Sample ID: CTM W-1 I  
 Signature: Thomas Sims

Sample One Event: Daily Weekly Monthly  
 Quantity: 1 Semi-Annual Annual N/A

#	Sample ID	Collect Date	Collect Time	Matrix Code	Total # of Containers
1	CTM W-1 I	8/2/12	11:40	GW	7
2	CTM W-1 S	8-2-12	11:48	GW	7
3	CTM FILLAGE-080212	8-2-12	11:20	AFW	7
4					
5	Metals Trip Blanks 080212				2

Short Hold	Y	N	1	2	3	4	CLP	AFCEE	TSV

Item	Relinquished by	Date	Time	Revised by
1	Thomas Sims	8-2-12	16:14	MW
2	Thomas Sims	8-2-12	17:05	John Gue
3	John Gue	8/2/12	19:58	
4		8-2-12	00:21	Plant

LAB ANALYSIS

Sample	ERG	pH	Pres. Code	Parameters
EXAMPLE				

# of Containers	Size/Type	1	2	3	4	5	6	7	8	9	10

Required State Certification	FL	GA	SC	NC	NJ	PA	LA	TX	IL

Container Type Codes  
 ES Enema Sampler  
 PPV Prepared Vial  
 PL C Plastic Container  
 P Plastic Jar  
 AL Amber Luer  
 CL Clear Luer  
 AP Amber Piccol  
 AG Amber Glass  
 CV Clean Vial  
 PL C Plastic  
 Z Ziploc Bag  
 TB Tearable Bag  
 WTP Washable Pack  
 SC Solid Container  
 TC Tens-core

Matrix Codes  
 SD Solid Waste  
 GW Ground Water  
 AW Air Waste  
 VW Waste Water  
 DW Drinking Water  
 SW Surface Water  
 ML Misc. Liquid  
 OL Oil  
 SL Sludge  
 AG Aqueous  
 NA Non-aqueous  
 PE Petroleum  
 O Other (Please specify)

Preservative Type Codes  
 A. None  
 B. HCl  
 C. HNO3  
 D. NaOH  
 E. HCL  
 F. MeOH  
 G. Na2S2O3  
 H. NaHSO4  
 I. Ice  
 J. MCAA  
 K. Zn Acetate  
 O. Other

REMARKS  
 See field  
 Metals for field parameters

Coolers #s: Temp. C  
 1 2 3 4 5  
 Non-Compliance Found?  
 Samples INTACT upon arrival?  
 Received on Wet Ice?  
 Proper Preservatives Indicated?  
 Received within holding time?  
 Custody seals intact?  
 Vials/line read without headspace?  
 Proper Containers Used?

**CENTRAL COUNTY TRANSFER STATION      SWA PERMIT # C.O.A. F.5.E.I & II**

8 Monitoring Wells: CTMW-1S, CTMW-1I, CTMW-2S, CTMW-2I, CTMW-3S, CTMW-3I,  
CTMW-4S, CTMW-4I

1 Field Duplicate CTSFD-

1 Field Blank (CTSFB-)

**Parameters (Matrix: Ground Water)**

**A. Metals**

Arsenic	Chromium	Lead	Sodium
Barium	Copper	Mercury	Selenium
Cadmium	Iron		

**B. Indicator Parameters**

Ammonia Nitrogen	Foaming Agents (MBAS)	Nitrate N
Total Alkalinity	Hydrogen Sulfide	Odor
C.O.D.	TKN (Total Kjeldahl Nitrogen)	Sulfate
Color	TDS (Total Dissolved Solids)	Chloride
TRPH (Total Recoverable Petroleum Hydrocarbons)		

**C. Field Parameters**

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

**D. Well Information (field)**

Well Diameter  
Well Depth  
Well Casing Elevation  
Depth to Water  
Water Table Elevation  
Volume Evacuated

2 of 2  
COC# 40292

5



# SOLID WASTE AUTHORITY DIVISION OF ENVIRONMENTAL PROGRAMS FIELD BLANK DATA SHEET

Sample Type: GRAB COMPOSITE  
 Site Identification: Central County Transfer Station

Date: 8.2.12

Sample I.D.: CTSFBLANK-080212

Time: 11:20

Notes  
and Comments  
  
 Sunny  
+ hot  
  
 PH < 2.0  
in preservative

Field Parameters		Units	Sample
Temperature	25.7	C	Appearance  clear no odor no sheen
Cond: X	ATC 3.6	uMHOS/cm	
PH	7.15	Std Units	
DO		Mg/L	
Turb	0.40	NTU	

Sample Container Inventory				
Quantity	Size	Type	Preservative	Analysis

Sampled By: Brenda Davery  
M. J. [Signature]

Method of Shipment: Pace

## Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: <b>Central County Transfer Station</b>		WACS Facility ID: <b>PBCC01</b> WACS Test Site ID: <b>PBCC01</b>	DATE: <b>8.2.12</b>
WELL NO: <b>CTMW-1S</b>	Well Type: <b>Compliance</b>	Well Location: <b>North of retention Pond</b>	SITE LOCATION: <b>1810 Lantana Road, Lantana, FL</b>

### PURGING DATA

Top of Casing Elevation (ft): <b>22.27</b>	Static Depth To Water (ft): <b>11.84</b>	Water Table Elevation NGVD (ft): <b>10.43</b>	Column Height (ft): <b>24.76</b>	Total Well Depth (ft): <b>36.60'</b>					
WELLDIAMETER (in): <b>2" PVC</b>									
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = <b>4</b>									
WELL CAPACITY (gal/ft): <b>0.16</b> = (36.60 - 11.84 = 24.76) X 0.16 = <b>3.96</b> GALLONS									
PURGE METHOD: <b>Redi-flo</b>			PURGE INITIATED AT: <b>11:17</b>	PURGE ENDED AT: <b>11:47</b>					
			TOTAL VOL. PURGED (gal): <b>30</b>						
WELL VOLS. Purged	Volume Purged (gal)	CUMUL. VOL. Purged (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
1	4	4	.54	11.97	6.14	26.4	289	0.91	3.66
1	4	8	.54	11.97	6.85	26.4	294	0.86	2.28
1	4	12	.54	11.97	6.96	26.4	299	0.65	0.96
1	4	16	.54	11.97	7.05	26.5	295	0.67	0.89
				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
<b>FINAL FIELD VALUES →</b>					7.05	26.5	295	-	0.89
Color: <b>very light yellow</b>	Odor: <b>none</b>	Sheen: <b>none</b>	Comments						
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88									

### SAMPLING DATA

SAMPLING METHOD(S): <b>Redi-flo Pump</b>	SAMPLING INITIATED AT: <b>11:48</b>	SAMPLING ENDED AT: <b>11:53</b>	Weather: <b>Sunny hot</b>	
FIELD DECONTAMINATION: <b>No</b>	FIELD-FILTERED: <b>No</b>	DUPLICATE: <b>Y</b> <input checked="" type="radio"/> <b>N</b>		
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	
1	HDPE	1-LITER	HNO3	Metals
2	HDPE		H2SO4	Ammonia
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)				
SAMPLED BY (PRINT): <b>Brenda Downey MAJavan</b>		SAMPLER(S) SIGNATURE(S): <b>Brenda Downey</b>		

## Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG


SITE NAME: <b>Central County Transfer Station</b>		WACS Facility ID: PBCC01 WACS Test Site ID: PBCC02	DATE: <b>8-2-12</b>
WELL NO: <b>CTMW-1I</b>	Well Type: <b>Compliance</b>	Well Location: North of retention Pond	SITE LOCATION: <b>1810 Lantana Road, Lantana, FL</b>

### PURGING DATA

Top of Casing Elevation(ft): <b>22.31</b>	Static Depth To Water (ft): <b>11.90</b>	Water Table Elevation NGVD (ft): <b>10.41</b>	Column Height (ft): <b>57.4</b>	Total Well Depth (ft): <b>69.30'</b>					
WELLDIAMETER (in): <b>2" PVC</b>		1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = <b>10</b>							
WELL CAPACITY (gal/ft): <b>0.16</b>		= ( <b>69.30 - 11.90 = 57.4</b> ) X <b>0.16 = 9.18</b> <span style="float: right;"><b>GALLONS</b></span>							
PURGE METHOD: <b>Redi-flo</b>		PURGE INITIATED AT: <b>11:13</b>	PURGE ENDED AT: <b>11:39</b>	TOTAL VOL. PURGED (gal): <b>30</b>					
WELL VOLS. Purged	Volume Purged (gal)	CUMUL. VOL. Purged (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
1	10	10	1.16	12.33	6.77	26.1	528	0.66	1.19
1	10	20	1.16	12.35	6.81	26.1	526	0.90	1.00
1	10	30	1.16	12.35	6.93	25.9	530	0.78	0.73
				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
<b>FINAL FIELD VALUES →</b>					<b>6.93</b>	<b>25.9</b>	<b>530</b>	<b>—</b>	<b>0.73</b>
Color: <b>lt yellow</b>	Odor: <b>none</b>	Sheen: <b>none</b>	Comments						
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88									

### SAMPLING DATA

SAMPLING METHOD(S): <b>Redi-flo Pump</b>	SAMPLING INITIATED AT: <b>11:40</b>	SAMPLING ENDED AT: <b>11:46</b>	Weather: <b>Sunny hot</b>			
FIELD DECONTAMINATION: <b>No</b>	FIELD-FILTERED: <b>No</b>	DUPLICATE: <b>Y (N)</b>				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD		
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED		TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH
1	HDPE	1-LITER	HNO3			Metals
2	HDPE		H2SO4		<b>12.0</b>	Ammonia
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)						
SAMPLED BY (PRINT): <b>Brenda Downey MAFonar</b>			SAMPLER(S) SIGNATURE(S): <b>Brenda Downey MAFonar</b>			

	Document Name: Sample Condition Upon Receipt Form	Document Revised: September 23, 2011
	Document No.: F-FL-C-007 rev. 04	Issuing Authorities: Pace Florida Quality Office

**Sample Condition Upon Receipt Form (SCUR)** Table Number: \_\_\_\_\_

Client Name: PBSWA Project # 3564006

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other \_\_\_\_\_

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

Custody Seal on Cooler/Box Present:  yes  no Seals Intact:  yes  no

**Date and Initials of person examining contents:** JP 8/3/12

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used F-113 Type of Ice: Wet Blue None

Cooler Temperature°C 3.9 (Visual) 0.0 (Correction Factor) 3.9 (Actual) (Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?

Receipt of samples satisfactory:  Yes  No Rush TAT requested on COC: \_\_\_\_\_

If yes, then all conditions below were met:	If no, then mark box & describe issue (use comments area if necessary):
Chain of Custody Present	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>8mm):	<input type="checkbox"/>

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

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

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

Finished Product Information Only	
F.P. Sample ID: _____	<b>Size &amp; Qty of Bottles Received</b>
Production Code: _____	_____ x 5 Gal
Date/Time Opened: _____	_____ x 2.5 Gal
Number of Unopened Bottles Remaining: _____	_____ x 1 Gal
	_____ x 1 Liter
	_____ x 500 mL
	_____ x 250 mL
	_____ x Other: _____
Extra Sample in Shed: Yes No	