



NELAP Certificate No. E86006



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RECEIVED
NOV 21, 2021

Ground Water Monitoring Report

Solid Waste Authority - Palm Beach County
Hydrogeologist
7501 North Jog Road
West Palm Beach, FL 33412

Date Received: 10/27/2021 16:15
Date Reported: 11/21/2021 12:36
Report Period: 2021Q4

Project Name: Central County Transfer Station MW's
Lab Work Order (COC): 21J1023

Laboratory Sample #

- 21J1023-01
- 21J1023-02
- 21J1023-03
- 21J1023-04
- 21J1023-05
- 21J1023-06
- 21J1023-07
- 21J1023-08

Client Sample #

- CTMW-4I
- CTMW-4S
- CTSFD 102721
- CTMW-3S
- CTMW-3I
- CTSF Blank 102721
- Metal Trip Blank 102721A
- Metal Trip Blank 102721B



Central County Transfer Station MW's

Lab ID: 21J1023-01
Sheen: No
Color: Light Yellow
Odor: No
Matrix: Groundwater

Diameter (in): 2
Depth to Water (ft): 13.27
Top of Casing (ft): 21.07
Total Depth (ft): 69.42

Parameter Monitoring Report

WACS Facility ID #: PBCC01 **Sampling Date/Time:** 10/27/21 08:50
WACS Test Site ID#: PBCC08 **Report Period:** 2021Q4
Well Name: CTMW-4I **Well Purge (Y/N):** Y
GW Classification: G-II **Well Type:** Background **Compliance (X)**
GW Elevation (NGVD): 7.8 Intermediate Other

Storet Code	Parameter	Sample Method Grab/Comp	Field Filter Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units		Dil Factor
							MDL	PQL	

Field Parameter (s) (See Notes and Definitions Page)

00402	Specific Conductance (field)	GRAB	N	FDEP SOP	10/27/2021 08:50	462 uS/cm @ 25°C		uS/cm @ 25°C	1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	10/27/2021 08:50	7.44 pH Units		pH Units	1
	Temperature (field)	GRAB	N	FDEP SOP	10/27/2021 08:50	27.2 °C		°C	1
	Turbidity (Field)	GRAB	N	FDEP SOP	10/27/2021 08:50	0.28 NTU		NTU	1

Classical Chemistry Parameters

	TRPH	GRAB	N	EPA 1664A	11/02/2021 14:30	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	10/29/2021 14:22	187 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	10/28/2021 15:19	0.111 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	10/28/2021 05:12	26.3 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	10/29/2021 18:30	30.6 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	10/28/2021 19:45	50.0/7.34 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	10/28/2021 17:30	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	10/28/2021 05:12	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	10/27/2021 17:30	N.O.O. T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	10/28/2021 05:12	13.7 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	11/02/2021 16:00	0.0560 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	11/03/2021 13:46	236 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	11/02/2021 12:12	0.683 mg/L	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB	N	EPA 200.8	11/03/2021 10:56	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	11/02/2021 12:43	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic	GRAB	N	EPA 6010/3010	10/28/2021 12:08	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	10/28/2021 12:08	7.88 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	10/28/2021 12:08	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	10/28/2021 12:08	2.32 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	10/28/2021 12:08	457 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	10/28/2021 12:08	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	10/28/2021 12:08	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	10/28/2021 12:08	15.2 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 21J1023-02

Diameter (in): 2
 Depth to Water (ft): 13.13
 Top of Casing (ft): 20.95
 Total Depth (ft): 32.45

Sheen: No
 Color: Light Yellow
 Odor: No
 Matrix: Groundwater

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 10/27/21 09:30
 WACS Test Site ID#: PBCC07 Report Period: 2021Q4
 Well Name: CTMW-4S Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 7.82 Intermediate Other

Storet Code	Parameter	Sample Method Grab/Comp	Field Filter Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units MDL	PQL	Dil Factor
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Field Parameter (s) (See Notes and Definitions Page)

00402	Specific Conductance (field)		N	FDEP SOP	10/27/2021 09:30	410 uS/cm @ 25°C	uS/cm @ 25°C		1
00406	pH (Field) at 25°C		N	FDEP SOP	10/27/2021 09:30	7.19 pH Units	pH Units		1
	Temperature (field)		N	FDEP SOP	10/27/2021 09:30	27.5 °C	°C		1
	Turbidity (Field)		N	FDEP SOP	10/27/2021 09:30	1.54 NTU	NTU		1

Classical Chemistry Parameters

	TRPH		N	EPA 1664A	11/02/2021 14:30	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity		N	EPA 310.2	10/29/2021 14:22	152 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N		N	EPA 350.1	10/28/2021 15:19	0.117 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride		N	EPA 300.0	10/28/2021 05:28	23.6 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand		N	EPA 410.4	10/29/2021 18:30	44.7 mg/L	2.54	10.0 mg/L	1
	Color		N	SM 2120B	10/28/2021 19:45	70.0/7.20 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340		N	SM5540C	10/28/2021 17:30	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N		N	EPA 300.0	10/28/2021 05:28	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C		N	SM 2150B	10/27/2021 17:35	N.O.O. T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate		N	EPA 300.0	10/28/2021 05:28	13.4 mg/L	0.0953	0.500 mg/L	1
	Sulfide		N	SM 4500-S D	11/02/2021 16:00	0.0520 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids		N	SM 2540C	11/03/2021 13:46	212 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen		N	EPA 351.2	11/02/2021 12:12	0.683 mg/L	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper		N	EPA 200.8	11/03/2021 10:57	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury		N	EPA 200.8	11/02/2021 12:45	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic		N	EPA 6010/3010	10/28/2021 12:13	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium		N	EPA 6010/3010	10/28/2021 12:13	12.2 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium		N	EPA 6010/3010	10/28/2021 12:13	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium		N	EPA 6010/3010	10/28/2021 12:13	3.12 ug/L I	0.339	5.00 ug/L	1
01045	Iron		N	EPA 6010/3010	10/28/2021 12:13	989 ug/L	1.09	10.0 ug/L	1
01051	Lead		N	EPA 6010/3010	10/28/2021 12:13	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium		N	EPA 6010/3010	10/28/2021 12:13	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium		N	EPA 6010/3010	10/28/2021 12:13	14.8 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 21J1023-03

Diameter (in):

Sheen: No

Depth to Water (ft):

Color: Light Yellow

Top of Casing (ft):

Odor: No

Total Depth (ft):

Matrix: Groundwater

Parameter Monitoring Report

WACS Facility ID #:	PBCC01	Sampling Date/Time:	10/27/21 09:30
WACS Test Site ID#:	PBCC07	Report Period:	2021Q4
Well Name:	CTSFD 102721	Well Purge (Y/N):	
GW Classification:	G-II	Well Type:	Background Compliance
GW Elevation (NGVD):		Intermediate	Other (X)

Storet Code	Parameter	Sample Method Grab/Comp	Field Filter Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units MDL	PQL	Dil Factor
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Field Parameter (s) (See Notes and Definitions Page)

00402	Specific Conductance (field)	GRAB	N	FDEP SOP	10/27/2021 09:30	410 uS/cm @ 25°C	uS/cm @ 25°C		1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	10/27/2021 09:30	7.19 pH Units	pH Units		1
	Temperature (field)	GRAB	N	FDEP SOP	10/27/2021 09:30	27.5 °C	°C		1
	Turbidity (Field)	GRAB	N	FDEP SOP	10/27/2021 09:30	1.54 NTU	NTU		1

Classical Chemistry Parameters

	TRPH	GRAB	N	EPA 1664A	11/02/2021 14:30	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	10/29/2021 14:22	152 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	10/28/2021 15:19	0.116 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	10/28/2021 05:45	23.8 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	10/29/2021 18:30	44.7 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	10/28/2021 19:45	80.0/7.15 Pt-Co	10.0	30.0 Pt-Co	2
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	10/28/2021 17:30	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	10/28/2021 05:45	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	10/27/2021 17:40	N.O.O. T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	10/28/2021 05:45	13.1 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	11/02/2021 16:00	0.0510 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	11/03/2021 13:46	208 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	11/02/2021 12:12	0.732 mg/L	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB	N	EPA 200.8	11/03/2021 10:59	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	11/02/2021 12:47	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic	GRAB	N	EPA 6010/3010	10/28/2021 12:17	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	10/28/2021 12:17	12.4 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	10/28/2021 12:17	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	10/28/2021 12:17	3.51 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	10/28/2021 12:17	990 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	10/28/2021 12:17	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	10/28/2021 12:17	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	10/28/2021 12:17	15.0 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 21J1023-04

Diameter (in): 2
 Depth to Water (ft): 15.40
 Top of Casing (ft): 23.35
 Total Depth (ft): 36.30

Sheen: No
 Color: Light Yellow
 Odor: No
 Matrix: Groundwater

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 10/27/21 10:30
 WACS Test Site ID#: PBCC05 Report Period: 2021Q4
 Well Name: CTMW-3S Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 7.95 Intermediate Other

Storet Code	Parameter	Sample Method Grab/Comp	Field Filter Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units MDL	PQL	Dil Factor
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Field Parameter (s) (See Notes and Definitions Page)

00402	Specific Conductance (field)	GRAB	N	FDEP SOP	10/27/2021 10:30	233 uS/cm @ 25°C	uS/cm @ 25°C		1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	10/27/2021 10:30	7.65 pH Units	pH Units		1
	Temperature (field)	GRAB	N	FDEP SOP	10/27/2021 10:30	27.0 °C	°C		1
	Turbidity (Field)	GRAB	N	FDEP SOP	10/27/2021 10:30	0.300 NTU	NTU		1

Classical Chemistry Parameters

	TRPH	GRAB	N	EPA 1664A	11/02/2021 14:30	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	10/29/2021 14:22	57.2 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	10/28/2021 15:19	<0.00620 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	10/28/2021 06:01	14.3 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	10/29/2021 18:30	14.1 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	10/28/2021 19:45	0.0/7.45 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	10/28/2021 17:30	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	10/28/2021 06:01	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	10/27/2021 17:45	N.O.O. T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	10/28/2021 06:01	7.95 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	11/02/2021 16:00	<0.00210 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	11/03/2021 13:46	98.0 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	11/02/2021 12:12	0.399 mg/L	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB	N	EPA 200.8	11/03/2021 11:00	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	11/02/2021 12:49	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic	GRAB	N	EPA 6010/3010	10/28/2021 12:21	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	10/28/2021 12:21	4.30 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	10/28/2021 12:21	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	10/28/2021 12:21	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	10/28/2021 12:21	22.6 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	10/28/2021 12:21	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	10/28/2021 12:21	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	10/28/2021 12:21	7.75 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 21J1023-05

Diameter (in): 2
 Depth to Water (ft): 15.39
 Top of Casing (ft): 23.34
 Total Depth (ft): 72.46

Sheen: No
 Color: Light Yellow
 Odor: No
 Matrix: Groundwater

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 10/27/21 11:27
 WACS Test Site ID#: PBCC06 Report Period: 2021Q4
 Well Name: CTMW-31 Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 7.95 Intermediate Other

Storet Code	Parameter	Sample Method Grab/Comp	Field Filter Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units MDL	PQL	Dil Factor
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Field Parameter (s) (See Notes and Definitions Page)

00402	Specific Conductance (field)	GRAB	N	FDEP SOP	10/27/2021 11:27	484 uS/cm @ 25°C	uS/cm @ 25°C		1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	10/27/2021 11:27	7.70 pH Units	pH Units		1
	Temperature (field)	GRAB	N	FDEP SOP	10/27/2021 11:27	26.3 °C	°C		1
	Turbidity (Field)	GRAB	N	FDEP SOP	10/27/2021 11:27	0.48 NTU	NTU		1

Classical Chemistry Parameters

	TRPH	GRAB	N	EPA 1664A	11/02/2021 14:30	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	10/29/2021 14:22	187 mg/L J3	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	10/28/2021 15:19	0.514 mg/L J3	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	10/28/2021 06:34	29.0 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	10/29/2021 18:30	28.2 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	10/28/2021 19:45	30.0/7.49 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	10/28/2021 17:30	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	10/28/2021 06:34	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	10/27/2021 17:50	N.O.O. T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	10/28/2021 06:34	18.4 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	11/02/2021 16:00	0.0270 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	11/03/2021 13:46	268 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	11/02/2021 12:12	1.07 mg/L	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB	N	EPA 200.8	11/03/2021 11:02	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	11/02/2021 12:52	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic	GRAB	N	EPA 6010/3010	10/28/2021 12:25	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	10/28/2021 12:25	6.10 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	10/28/2021 12:25	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	10/28/2021 12:25	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	10/28/2021 12:25	586 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	10/28/2021 12:25	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	10/28/2021 12:25	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	10/28/2021 12:25	23.0 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 21J1023-06

Diameter (in):

Sheen: No

Depth to Water (ft):

Color: Clear

Top of Casing (ft):

Odor: No

Total Depth (ft):

Matrix: DI

Parameter Monitoring Report

WACS Facility ID #:	PBCC01	Sampling Date/Time:	10/27/21 10:45
WACS Test Site ID#:	N/A	Report Period:	2021Q4
Well Name:	CTSF Blank 102721	Well Purge (Y/N):	
GW Classification:	N/A	Well Type:	Background Intermediate
GW Elevation (NGVD):			Compliance Other (X)

Storet Code	Parameter	Sample Method Grab/Comp	Field Filter Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units MDL	PQL	Dil Factor
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Field Parameter (s) (See Notes and Definitions Page)

00402	Specific Conductance (field)	GRAB	N	FDEP SOP	10/27/2021 10:45	9.78 uS/cm @ 25°C	uS/cm @ 25°C		1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	10/27/2021 10:45	8.76 pH Units	pH Units		1
	Temperature (field)	GRAB	N	FDEP SOP	10/27/2021 10:45	24.5 °C	°C		1
	Turbidity (Field)	GRAB	N	FDEP SOP	10/27/2021 10:45	0.19 NTU	NTU		1

Classical Chemistry Parameters

	TRPH	GRAB	N	EPA 1664A	11/02/2021 14:30	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	10/29/2021 14:22	<2.49 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	10/28/2021 15:19	<0.00620 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	10/28/2021 06:51	<0.126 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	10/29/2021 18:30	<2.54 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	10/28/2021 19:45	0.0/5.38 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	10/28/2021 17:30	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	10/28/2021 06:51	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	10/27/2021 17:55	N.O.O. T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	10/28/2021 06:51	<0.0953 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	11/02/2021 16:00	<0.00210 mg/L J3	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	11/03/2021 13:46	<10.0 mg/L	10.0	30.0 mg/L	1
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	11/02/2021 12:12	<0.184 mg/L	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB	N	EPA 200.8	11/03/2021 11:04	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	11/02/2021 12:54	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic	GRAB	N	EPA 6010/3010	10/28/2021 12:29	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	10/28/2021 12:29	<0.0728 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	10/28/2021 12:29	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	10/28/2021 12:29	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	10/28/2021 12:29	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	10/28/2021 12:29	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	10/28/2021 12:29	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	10/28/2021 12:29	<0.446 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 21J1023-07

Diameter (in):

Sheen:

Depth to Water (ft):

Color:

Top of Casing (ft):

Odor:

Total Depth (ft):

Matrix: DI

Parameter Monitoring Report

WACS Facility ID #:

Sampling Date/Time: 10/27/21 08:50

WACS Test Site ID#:

Report Period: 2021Q4

Well Name: Metal Trip Blank 102721A

Well Purge (Y/N):

GW Classification:

Well Type: Background Intermediate

Compliance

GW Elevation (NGVD):

Intermediate

Other

(X)

Storet Code	Parameter	Sample Method Grab/Comp	Field Filter Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units		Dil Factor
							MDL	PQL	

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB		EPA 200.8	11/03/2021 11:05	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB		EPA 200.8	11/02/2021 12:56	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic	GRAB		EPA 6010/3010	10/28/2021 12:33	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB		EPA 6010/3010	10/28/2021 12:33	<0.0728 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB		EPA 6010/3010	10/28/2021 12:33	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB		EPA 6010/3010	10/28/2021 12:33	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB		EPA 6010/3010	10/28/2021 12:33	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB		EPA 6010/3010	10/28/2021 12:33	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB		EPA 6010/3010	10/28/2021 12:33	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB		EPA 6010/3010	10/28/2021 12:33	<0.446 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 21J1023-08

Diameter (in):

Sheen:

Depth to Water (ft):

Color:

Top of Casing (ft):

Odor:

Total Depth (ft):

Matrix: DI

Parameter Monitoring Report

WACS Facility ID #:

Sampling Date/Time: 10/27/21 11:27

WACS Test Site ID#:

Report Period: 2021Q4

Well Name: Metal Trip Blank 102721B

Well Purge (Y/N):

GW Classification:

Well Type: Background

Compliance

GW Elevation (NGVD):

Intermediate

Other

(X)

Storet Code	Parameter	Sample Method Grab/Comp	Field Filter Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units		Dil Factor
							MDL	PQL	

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB		EPA 200.8	11/03/2021 11:07	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB		EPA 200.8	11/02/2021 12:59	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

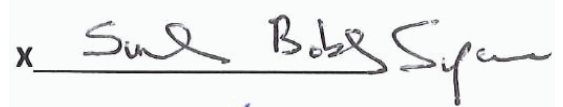
01002	Arsenic	GRAB		EPA 6010/3010	10/28/2021 12:38	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB		EPA 6010/3010	10/28/2021 12:38	<0.0728 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB		EPA 6010/3010	10/28/2021 12:38	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB		EPA 6010/3010	10/28/2021 12:38	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB		EPA 6010/3010	10/28/2021 12:38	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB		EPA 6010/3010	10/28/2021 12:38	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB		EPA 6010/3010	10/28/2021 12:38	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB		EPA 6010/3010	10/28/2021 12:38	<0.446 mg/L	0.446	2.00 mg/L	1

Notes and Definitions

U	Indicated that the compound was analyzed for but not detected. This shall be used to indicate that the specific component was not detected. The value associated with the qualifier shall be the laboratory method detection limit.
J3	The matrix spike recovery outside method acceptance limits indicating matrix interference.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
N.O.O.	No Odor Observed
REP	Field parameter measured by client
V	Indicated that the analyte was detected in both the sample and the associated method blank.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Z	Too many colonies were present for accurate counting.
SUB	Work performed by outside (subcontracted) labs denoted by SUB in analyst field.

QC=Qualifier Codes as defined by DEP 62-160
 Unless indicated, soil results are reported on actual (wet) weight basis.
 The Color SM2120B method is reported as (Color / pH)
 Legionella analyzed under CDC accreditation program
 Dilution factors ≥ 1000 are abbreviated using k=1000 and M=1000000
 Field parameters are not NELAP accredited.
 Results relate only to this sample.

Suresh (Bobby) Supan - CSM



Authorized CSM Signature (954) 978-6400
 Florida-Spectrum Environmental Services, Inc.
 Certification# E86006

All NELAP certified analysis are performed in accordance with Chapter 64E-1 Florida Administrative code, which has been determined to be equivalent to NELAC standards. Analysis certified by programs other than NELAP are designated with a "-".



WORK ORDER #
215 1023
PBC SWA

Logged **7506 W. Jog Road, WPB, FL 32093**
 Date: 10/19/2020
 Meets Approval

Contact: Managing Hydrogeologist

Phone: 561 640-4000

Invoice # 561 640-3400

CHAIN OF CUSTODY RECORD

1460 W. McNab Road, Ft. Lauderdale, FL 33309
 108 Airport Park Dr., Garden City, GA 31408
 528 Gooch Rd., Fort Meade, FL 33841
 20 Parrot Ave. N., Okeechobee, FL 34972
 11 E. Easton Drive, Lakeland, FL 33803

Original-Return w/report

Project Name: Central County Transfer Station and/or Number Monitoring Wells

Project:

COC# A 03642

Tel: (954) 978-6400
 Tel: (912) 238-5050
 Tel: (863) 285-8145
 Tel: (863) 763-3336
 Tel: (863) 686-4271

Yellow-Lab File Copy

Site Location:

Site Address:

DUE DATE Requested

RUSH RESERVATION #

Rush Surcharges apply

Report to Address:

Invoice to Address:

Site Location:

Site Address:

Phone:

Affiliation:

Sampler Signature: *Manny Alvarez*

Number of Containers Received & NELAC Letter Suffixes A-?

Matrix

Bottle & Pres. Combo Codes

Date Sampled

Time Sampled

Sample ID

ORDER #

Lab Control Number

Shaded Areas For Laboratory Use Only

Analysis Required

See page 3 Letter of: 9/16/21

Field Tests

TEMP °C

PH

COND

CHLOR

SEE FIELD SHEETS FOR FIELD PARAMETERS

Signature

Affiliation

Date/Time

Relinquished by: Manny Alvarez 10/27/21 13:35

Received by: [Signature] 10/27/21 16:15

Relinquished by: [Signature] 10/27/21 16:15

Received by: [Signature] 10/27/21 16:15

Relinquished by: [Signature]

Received by: [Signature]

www.flenviro.com

COC Page 1 of 2

Special Comments: Cooler # 010, 025

Deliverables: "I waive TNI protocol" (emergency) (sign here) >

QA/QC Report Needed? Yes No (additional charge)

Sample Custody & Field Comments

Received on Ice: Y

Temperature received: Y

Cup seals: Y

RA: GUN-1

FIELD TIME

hrs Pick Up

hrs

charges

Bottle Type

Preservatives

Additional Preservatives

Hex-Hex Cr Buffer

EDA-Ethylene Diamine

2/15/23

CENTRAL COUNTY TRANSFER STATION MONITORING WELLS
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 (CTSF D)

1 Field Blank (CTSF Blank)

Parameters (Matrix: Ground Water)

A. Metals

Arsenic ✓	Chromium	Lead ✓	Sodium ✓
Barium ✓	Copper ✓	Mercury ✓	Selenium ✓
Cadmium ✓	Iron ✓		

B. Indicator Parameters

· Total Ammonia ✓	· Foaming Agents (MBAS) ✓	· Nitrate ✓
· Total Alkalinity ✓	· Sulfide ✓	· Odor ✓
· COD ✓	· TKN ✓	· Sulfate ✓
· Color ✓	· TDS ✓	
· 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

Page 2 of 2
COC # 03642


Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		WACS Facility ID: PBCC01 WACS Test Site ID: PBCC08	DATE: 10/27/21
WELL NO: CTMW-4I	Well Type: Compliance	Well Location: Park on Hillside Drive	SITE 1810 Lantana Road, LOCATION: Lantana, Fl

PURGING DATA

Top of Casing Elevation(ft): 21.07	Static Depth To Water (ft): 13.27	Water Table Elevation NGVD (ft): 7.8	Column Height (ft): 56.15	Total Well Depth (ft): 69.42'						
WELLDIAMETER (in): 2" PVC	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 329									
WELL CAPACITY (gal/ft): 0.16	= (69.42' - 13.27 = 56.15) X 0.16 = 8.98 GALLONS									
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 8:25	PURGE ENDED AT: 8:47	TOTAL VOL. PURGED (gal): 27						
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	9	9	1.22	13.67	7.44	27.2	461	1.03	1.17	
1	9	18		13.67	7.44	27.2	461	0.59	0.48	
1	9	27		13.67	7.44	27.2	462	0.67	0.28	
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	
					7.44	27.2	462	—	0.28	
Color: slight yellow	Odor: NO	Sheen: NO	Comments: Metal trip blank 102721 A				Cooler # 010			
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): Redi-flo Pump	SAMPLING INITIATED AT: 8:50	SAMPLING ENDED AT: 8:55	Weather: Sunny + COOL				
FIELD DECONTAMINATION: No	FIELD-FILTERED: No	DUPLICATE: Y <input checked="" type="radio"/> N					
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		None	22.0	Metals
2	HDPE		H2SO4		None	22.0	Ammonia
	HDPE		Zn Acetate	1 time the P.	79.0		
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)							
SAMPLED BY (PRINT) ANTONIO RICHARDS			SAMPLER(S) SIGNATURE(S): 				
Manny Alvarez							

Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		WACS Facility ID: PBCC01 WACS Test Site ID: PBCC07	DATE: 10/27/21
WELL NO: CTMW- 4S	Well Type: Compliance	Well Location: Park on Hillside Drive	SITE 1810 Lantana Road, LOCATION: Lantana, FI

PURGING DATA

Top of Casing Elevation(ft): 20.95	Static Depth To Water (ft): 13.13	Water Table Elevation NGVD (ft): 7.82	Column Height (ft): 19.32	Total Well Depth (ft): 32.45'						
WELLDIAMETER (in): 2" PVC		1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 3 x 4								
WELL CAPACITY (gal/ft): 0.16		= (32.45' - 13.13 = 19.32) X 0.16 = 3.09 GALLONS 4								
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 9:11	PURGE ENDED AT: 9:23	TOTAL VOL. PURGED (gal): 12						
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	1.0	13.25	7.31	27.7	413	0.26	2.69	
1	4	8		13.25	7.19	27.5	410	0.18	1.65	
1	4	12		13.25	7.19	27.5	410	0.20	1.54	
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	
					7.19	27.5	410	—	1.54	
Color: Light yellow	Odor: NO	Sheen: NO	Comments: Metal trip Blank 102721 A				Cooler # 010			

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): Redi-flo Pump	SAMPLING INITIATED AT: 9:30	SAMPLING ENDED AT: 9:35	Weather: Sunny + cool			
FIELD DECONTAMINATION: No	FIELD-FILTERED: No	DUPLICATE: (Y) N				
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	None	22.0	Metals
2	HDPE		H2SO4	None	22.0	Ammonia
	HDPE		ZN acetate	None	79.0	
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)						
SAMPLED BY (PRINT) ANTONIO RICHARDS			SAMPLER(S) SIGNATURE(S) Manny Alvarez			

Solid Waste Authority of Palm Beach County Field Duplicate Ground Water


SITE NAME: Central County Transfer Station		WACS Facility ID: PBCC01	DATE: 10/27/21
Sample name: CTSPD 102721		WACS Test Site ID: PBCC07	SAMPLE TIME: 9:30
Matrix: Ground Water	Well Type: Other	Site Location: 1810 Lantana Road - Lantana, FL	

Description: Field duplicates are designed to measure the variability in the sampling process. Field Duplicates are collected by repeating (simultaneously or in rapid succession) the entire sample acquisition technique that was used to obtain the first sample.	
Classification of Ground Water: GII	Weather Conditions: Sunny + cool
Sample Method: GRAB	Well No: CTMW-45

Field Duplicate - Field Data

FIELD VALUES →	Other	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
		7.19	27.5	410	—	1.54
Color: light yellow	Odor: NO	Sheen: NO	Comments: Metal trip blank 102721 A			Cooler # 010

SAMPLING DATA

FIELD DECONTAMINATION: No			FIELD-FILTERED: No			DUPLICATE: Yes
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	None	22.0	Metals
2	HDPE		H2SO4	None	22.0	Ammonia
3	HDPE		zn acetate	None	79.0	Sulfide
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)						
SAMPLED BY (PRINT) Antonio Richards				SAMPLER(S) SIGNATURE(S) 		
Manny Alvarez						


Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		WACS Facility ID: PBCC01 WACS Test Site ID: PBCC05	DATE: 10/27/21
WELL NO: CTMW- 3S	Well Type: Compliance	Well Location: South of retention Pond	SITE LOCATION: 1810 Lantana Road, Lantana, FL

PURGING DATA

Top of Casing Elevation(ft): 23.35	Static Depth To Water (ft): 15.40	Water Table Elevation NGVD (ft): 7.95	Column Height (ft): 20.9	Total Well Depth (ft): 36.30'					
WELLDIAMETER (in): 2" PVC	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 3x4								
WELL CAPACITY (gal/ft): 0.16	= (36.30 - 15.40 = 20.9) X 0.16 = 3.34 GALLONS								
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 10:10	PURGE ENDED AT: 10:26	TOTAL VOL. PURGED (gal): 16					
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	1.0	15.41	7.28	26.8	220	0.44	4.21
1	4	8		15.51	7.56	27.0	232	0.44	1.30
1	4	12		15.53	7.55	27.1	233	0.52	0.49
1	4	16		15.53	7.65	27.0	233	0.38	0.30
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
					7.65	27.0	233	—	0.30
Color: Light yellow	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 10/27/21 A				Cooler # 010		
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): Redi-flo Pump	SAMPLING INITIATED AT: 10:30	SAMPLING ENDED AT: 10:35	Weather: Sunny + warm			
FIELD DECONTAMINATION: No	FIELD-FILTERED: No	DUPLICATE: Y <input checked="" type="radio"/> N				
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	NONE	22.0	Metals
2	HDPE		H2SO4	NONE	22.6	Ammonia
	HDPE		Zn acetate	NONE	79.0	
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)						
SAMPLED BY (PRINT) Antonio Richards			SAMPLER(S) SIGNATURE(S) 			
Manny Alvarez						


Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		WACS Facility ID: PBCC01 WACS Test Site ID: PBCC06	DATE: 10/27/21
WELL NO: CTMW-3I	Well Type: Compliance	Well Location: South of retention Pond	SITE 1810 Lantana Road, LOCATION: Lantana, FL

PURGING DATA

Top of Casing Elevation(ft): 23.34	Static Depth To Water (ft): 15.39	Water Table Elevation NGVD (ft): 7.95	Column Height (ft): 57.07	Total Well Depth (ft): 72.46'					
WELLDIAMETER (in): 2" PVC		1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 3 x 10							
WELL CAPACITY (gal/ft): 0.16		= (72.46' - 15.39 = 57.07) X 0.16 = 9.13 GALLONS/10							
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 10:55	PURGE ENDED AT: 11:19	TOTAL VOL. PURGED (gal): 30					
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	1.25	15.57	7.71	26.4	4184	0.12	3.28
1	10	20		15.55	7.71	26.2	484	0.07	0.89
1	10	30		15.55	7.70	26.3	4184	0.33	0.48
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
					7.70	26.3	484 484	—	0.48
Color: Light Yellow	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 10/27/21 B				Cooler # 025		
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): Redi-flo Pump	SAMPLING INITIATED AT: 11:27	SAMPLING ENDED AT: 11:32	Weather: Sunny + Warm		
FIELD DECONTAMINATION: No	FIELD-FILTERED: No	DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	
1	HDPE	1- LITER	HNO3	None	
2	HDPE		H2SO4	None	
	HDPE		2M acetate	None	
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)					
SAMPLED BY (PRINT) Antonio RICHARDS			SAMPLER(S) SIGNATURE(S) 		
Manny Alvarez					

**Solid Waste Authority of Palm Beach County
Field Blank Data Sheet**

SITE NAME: Central County Transfer Station	WACS Facility ID: PBCC01	DATE: 10/27/21
Sample name: CTSF Blank 102721	WACS Test Site ID: N/A	SAMPLE TIME: 10:45
Matrix: DI Water	Site Location: 1810 Lantana Road - Lantana, FL	

Description: Field blanks monitor the on-site sampling environment, sample container cleaning, the suitability of sample preservatives and analyte-free water, and sample transport and storage conditions for water samples. Field Blanks are collected in the field during the middle to end of a sampling event or if any unusual activities are observed that may affect sampling activities. Field blanks are prepared by pouring analyte-free water into sample containers for each parameter set to be collected.		
Classification of Ground Water: N/A	Weather Conditions: Sunny + Warm	
Sample Method: GRAB	Stainless Steel Submersible pump #: N/A	DI Water Lot # 9/24/21

Field Blank - Field Data

FIELD VALUES →			Other	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	
				8.76	24.5	9.78	—	0.19	
Color: clear	Odor: NO	Sheen: NO	Comments Metal Trip Blank 102721 B				Cooler # 025		

SAMPLING DATA

FIELD DECONTAMINATION: No			FIELD-FILTERED: No			DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>		
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	None	22.0	Metals		
2	HDPE		H2SO4	None	22.0	Ammonia		
3	HDPE		Zn acetate	None	79.0			
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)								
SAMPLED BY (PRINT) Antonio Richards				SAMPLER(S) SIGNATURE(S) Manny Alvarez				