



NELAP Certificate No. E86006



1460 West McNab Road
Fort Lauderdale, FL 33309
1-800-ANALYTE Phone
(954) 978-6400 Phone
(954) 978-2233 Fax

Ground Water Monitoring Report

RECEIVED
MARCH 7, 2022

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

Date Received: 02/09/2022 15:35
Date Reported: 03/03/2022 20:55
Report Period: 2022Q1

Project Name: Central County Transfer Station MW's
Lab Work Order (COC): 22B0410

Laboratory Sample #

- 22B0410-01
- 22B0410-02
- 22B0410-03
- 22B0410-04
- 22B0410-05
- 22B0410-06
- 22B0410-07
- 22B0410-08

Client Sample #

- CTMW-4I
- CTMW-4S
- CTSF020922
- CTMW-3S
- CTMW-3I
- CTSF Blank020922
- Metal Trip Blank 2922A
- Metal Trip Blank 2922B



Central County Transfer Station MW's

Lab ID: 22B0410-01

Diameter (in): 2
 Depth to Water (ft): 12.30
 Top of Casing (ft): 21.07
 Total Depth (ft): 69.42

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

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 02/09/22 10:10
 WACS Test Site ID#: PBCC08 Report Period: 2022Q1
 Well Name: CTMW-4I Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 8.77 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	02/09/2022 10:10	469 uS/cm @ 25°C		uS/cm @ 25°C	1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	02/09/2022 10:10	7.22 pH Units		pH Units	1
	Temperature (field)	GRAB	N	FDEP SOP	02/09/2022 10:10	27.1 °C		°C	1
	Turbidity (Field)	GRAB	N	FDEP SOP	02/09/2022 10:10	0.32 NTU		NTU	1

Classical Chemistry Parameters

	TRPH	GRAB	N	EPA 1664	02/16/2022 11:00	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	02/12/2022 16:23	206 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	02/16/2022 17:39	0.151 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	02/10/2022 04:39	27.1 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	02/11/2022 18:25	23.7 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	02/10/2022 11:30	40/7.40 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	02/10/2022 15:49	0.0420 mg/L I	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	02/10/2022 04:39	0.0290 mg/L I	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	02/09/2022 19:30	N.O.O T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	02/10/2022 04:39	12.1 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	02/10/2022 18:30	0.0380 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	02/18/2022 11:32	280 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	02/15/2022 14:27	0.503 mg/L I	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB	N	EPA 200.8	02/15/2022 10:50	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	02/16/2022 11:28	<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	02/10/2022 14:13	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	02/10/2022 14:13	8.50 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	02/10/2022 14:13	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	02/10/2022 14:13	2.60 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	02/10/2022 14:13	529 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	02/10/2022 14:13	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	02/10/2022 14:13	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	02/10/2022 14:13	14.1 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0410-02

Diameter (in): 2
 Depth to Water (ft): 12.16
 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: 02/09/22 10:45
 WACS Test Site ID#: PBCC07 Report Period: 2022Q1
 Well Name: CTMW-4S Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 8.79 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	02/09/2022 10:45	397 uS/cm @ 25°C		uS/cm @ 25°C	1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	02/09/2022 10:45	6.54 pH Units		pH Units	1
	Temperature (field)	GRAB	N	FDEP SOP	02/09/2022 10:45	26.9 °C		°C	1
	Turbidity (Field)	GRAB	N	FDEP SOP	02/09/2022 10:45	1.69 NTU		NTU	1

Classical Chemistry Parameters

	TRPH	GRAB	N	EPA 1664	02/16/2022 11:00	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	02/12/2022 16:23	165 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	02/16/2022 17:39	0.139 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	02/10/2022 04:56	24.0 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	02/11/2022 18:25	42.7 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	02/10/2022 11:30	65/7.34 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	02/10/2022 15:49	0.0290 mg/L I	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	02/10/2022 04:56	0.0250 mg/L I	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	02/09/2022 19:30	N.O.O T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	02/10/2022 04:56	13.0 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	02/10/2022 18:30	0.0480 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	02/18/2022 11:32	262 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	02/15/2022 14:27	0.480 mg/L I	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB	N	EPA 200.8	02/15/2022 10:54	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	02/16/2022 11:30	<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	02/10/2022 14:16	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	02/10/2022 14:16	13.0 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	02/10/2022 14:16	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	02/10/2022 14:16	3.80 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	02/10/2022 14:16	879 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	02/10/2022 14:16	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	02/10/2022 14:16	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	02/10/2022 14:16	13.1 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0410-03

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:	02/09/22 10:45
WACS Test Site ID#:	PBCC07	Report Period:	2022Q1
Well Name:	CTSFD020922	Well Purge (Y/N):	
GW Classification:	GII	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	02/09/2022 10:45	397 uS/cm @ 25°C	uS/cm @ 25°C		1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	02/09/2022 10:45	6.54 pH Units	pH Units		1
	Temperature (field)	GRAB	N	FDEP SOP	02/09/2022 10:45	26.9 °C	°C		1
	Turbidity (Field)	GRAB	N	FDEP SOP	02/09/2022 10:45	1.69 NTU	NTU		1

Classical Chemistry Parameters

	TRPH	GRAB	N	EPA 1664	02/16/2022 11:00	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	02/12/2022 16:23	164 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	02/16/2022 17:39	0.136 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	02/10/2022 05:14	24.1 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	02/11/2022 18:25	38.0 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	02/10/2022 11:30	65/7.37 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	02/10/2022 15:49	0.0280 mg/L I	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	02/10/2022 05:14	0.0250 mg/L I	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	02/09/2022 19:30	N.O.O T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	02/10/2022 05:14	13.3 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	02/10/2022 18:30	0.0470 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	02/18/2022 11:32	246 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	02/15/2022 14:27	0.436 mg/L I	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB	N	EPA 200.8	02/15/2022 10:59	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	02/16/2022 11:32	<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	02/10/2022 14:19	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	02/10/2022 14:19	12.7 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	02/10/2022 14:19	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	02/10/2022 14:19	3.80 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	02/10/2022 14:19	856 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	02/10/2022 14:19	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	02/10/2022 14:19	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	02/10/2022 14:19	26.5 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0410-04

Diameter (in): 2
 Depth to Water (ft): 14.40
 Top of Casing (ft): 23.35
 Total Depth (ft): 36.30

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

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 02/09/22 11:40
 WACS Test Site ID#: PBCC05 Report Period: 2022Q1
 Well Name: CTMW-3S Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 8.95 Intermediate Other

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

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

00402	Specific Conductance (field)	GRAB	N	FDEP SOP	02/09/2022 11:40	219 uS/cm @ 25°C		uS/cm @ 25°C	1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	02/09/2022 11:40	7.41 pH Units		pH Units	1
	Temperature (field)	GRAB	N	FDEP SOP	02/09/2022 11:40	26.5 °C		°C	1
	Turbidity (Field)	GRAB	N	FDEP SOP	02/09/2022 11:40	0.33 NTU		NTU	1

Classical Chemistry Parameters

	TRPH	GRAB	N	EPA 1664	02/16/2022 11:00	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	02/12/2022 16:23	66.1 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	02/16/2022 17:39	<0.00620 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	02/10/2022 05:31	15.6 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	02/11/2022 18:25	7.10 mg/L I	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	02/10/2022 11:30	5/7.55 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	02/10/2022 15:49	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	02/10/2022 05:31	0.0800 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	02/09/2022 19:30	N.O.O T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	02/10/2022 05:31	7.35 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	02/10/2022 18:30	<0.00210 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	02/18/2022 17:30	130 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	02/15/2022 14:27	<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	02/15/2022 11:03	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	02/16/2022 11:34	<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	02/10/2022 14:22	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	02/10/2022 14:22	4.40 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	02/10/2022 14:22	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	02/10/2022 14:22	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	02/10/2022 14:22	15.6 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	02/10/2022 14:22	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	02/10/2022 14:22	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	02/10/2022 14:22	7.77 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0410-05

Diameter (in): 2
 Depth to Water (ft): 14.38
 Top of Casing (ft): 23.34
 Total Depth (ft): 72.46

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

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 02/09/22 12:35
 WACS Test Site ID#: PBCC06 Report Period: 2022Q1
 Well Name: CTMW-31 Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 8.96 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	02/09/2022 12:35	488 uS/cm @ 25°C		uS/cm @ 25°C	1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	02/09/2022 12:35	7.54 pH Units		pH Units	1
	Temperature (field)	GRAB	N	FDEP SOP	02/09/2022 12:35	26.0 °C		°C	1
	Turbidity (Field)	GRAB	N	FDEP SOP	02/09/2022 12:35	0.40 NTU		NTU	1

Classical Chemistry Parameters

	TRPH	GRAB	N	EPA 1664	02/16/2022 11:00	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	02/12/2022 16:23	200 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	02/16/2022 17:39	0.592 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	02/10/2022 06:05	31.9 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	02/11/2022 18:25	23.7 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	02/10/2022 11:30	30/7.67 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	02/10/2022 15:49	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	02/10/2022 06:05	0.0260 mg/L I	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	02/09/2022 19:30	N.O.O T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	02/10/2022 06:05	18.5 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	02/10/2022 18:30	0.0380 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	02/18/2022 17:30	282 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	02/15/2022 14:27	0.879 mg/L	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB	N	EPA 200.8	02/15/2022 11:08	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	02/16/2022 11:37	<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	02/10/2022 14:25	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	02/10/2022 14:25	6.90 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	02/10/2022 14:25	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	02/10/2022 14:25	0.700 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	02/10/2022 14:25	680 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	02/10/2022 14:25	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	02/10/2022 14:25	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	02/10/2022 14:25	23.6 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0410-06

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:	02/09/22 12:50
WACS Test Site ID#:	N/A	Report Period:	2022Q1
Well Name:	CTSF Blank020922	Well Purge (Y/N):	
GW Classification:		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		FDEP SOP	02/09/2022 12:50	1.800 uS/cm @ 25°C	uS/cm @ 25°C		1
00406	pH (Field) at 25°C	GRAB		FDEP SOP	02/09/2022 12:50	6.68 pH Units	pH Units		1
	Temperature (field)	GRAB		FDEP SOP	02/09/2022 12:50	18.3 °C	°C		1
	Turbidity (Field)	GRAB		FDEP SOP	02/09/2022 12:50	0.13 NTU	NTU		1

Classical Chemistry Parameters

	TRPH	GRAB		EPA 1664	02/16/2022 11:00	<1.39 mg/L	1.39	4.18 mg/L	1
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Wet Chemistry

	Total Alkalinity	GRAB		EPA 310.2	02/12/2022 16:23	<2.49 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB		EPA 350.1	02/16/2022 17:39	<0.00620 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB		EPA 300.0	02/10/2022 06:22	<0.126 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB		EPA 410.4	02/11/2022 18:25	<2.54 mg/L	2.54	10.0 mg/L	1
	Color	GRAB		SM 2120B	02/10/2022 11:30	5/7.70 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB		SM5540C	02/10/2022 15:49	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB		EPA 300.0	02/10/2022 06:22	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB		SM 2150B	02/09/2022 19:30	N.O.O T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB		EPA 300.0	02/10/2022 06:22	<0.0953 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB		SM 4500-S D	02/10/2022 18:30	<0.00210 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB		SM 2540C	02/18/2022 17:30	<10.0 mg/L	10.0	30.0 mg/L	1
81393	Total Kjeldahl Nitrogen	GRAB		EPA 351.2	02/15/2022 14:27	<0.184 mg/L	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01042	Copper	GRAB		EPA 200.8	02/15/2022 11:13	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB		EPA 200.8	02/16/2022 11:39	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic	GRAB		EPA 6010/3010	02/10/2022 14:28	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB		EPA 6010/3010	02/10/2022 14:28	<0.0728 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB		EPA 6010/3010	02/10/2022 14:28	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB		EPA 6010/3010	02/10/2022 14:28	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB		EPA 6010/3010	02/10/2022 14:28	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB		EPA 6010/3010	02/10/2022 14:28	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB		EPA 6010/3010	02/10/2022 14:28	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB		EPA 6010/3010	02/10/2022 14:28	<0.446 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0410-07

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: 02/09/22 10:10

WACS Test Site ID#:

Report Period: 2022Q1

Well Name: Metal Trip Blank 2922A

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	02/15/2022 11:17	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB		EPA 200.8	02/16/2022 11:41	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic	GRAB		EPA 6010/3010	02/10/2022 14:10	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB		EPA 6010/3010	02/10/2022 14:10	<0.0728 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB		EPA 6010/3010	02/10/2022 14:10	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB		EPA 6010/3010	02/10/2022 14:10	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB		EPA 6010/3010	02/10/2022 14:10	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB		EPA 6010/3010	02/10/2022 14:10	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB		EPA 6010/3010	02/10/2022 14:10	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB		EPA 6010/3010	02/10/2022 14:10	<0.446 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0410-08

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: 02/09/22 10:45

WACS Test Site ID#:

Report Period: 2022Q1

Well Name: Metal Trip Blank 2922B

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	02/15/2022 11:22	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB		EPA 200.8	02/16/2022 11:44	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

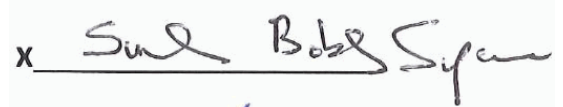
01002	Arsenic	GRAB		EPA 6010/3010	02/10/2022 13:44	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB		EPA 6010/3010	02/10/2022 13:44	<0.0728 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB		EPA 6010/3010	02/10/2022 13:44	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB		EPA 6010/3010	02/10/2022 13:44	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB		EPA 6010/3010	02/10/2022 13:44	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB		EPA 6010/3010	02/10/2022 13:44	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB		EPA 6010/3010	02/10/2022 13:44	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB		EPA 6010/3010	02/10/2022 13:44	<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 #
2320410



Doc. Ctrl: 0401120-003

Logged RBGSWA

Meets Ayscough Wierjog Road, WPB, FL 33411

CHAIN OF CUSTODY RECORD

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

COC# A 08255

Tel: (954) 978-6400 Fax: (954) 978-2233
 Tel: (912) 238-5050 Fax: (912) 234-4815
 Tel: (863) 285-8145 Fax: (863) 285-7030
 Tel: (863) 763-3336 Fax: (863) 763-1544
 Tel: (863) 686-4271

DUE DATE Requested

RUSH RESERVATION #

Rush Surcharges apply

Yellow-Lab File Copy

Pink - Sampler Copy

Report to (company name)

Invoice to (company name)

Project Name and/or Number

Project Contact:

Project Location:

Phone:

Site Address:

Invoice to Address:

Report to Address:

Project Affiliation:

Project Email:

Project Signature

Project Number of Containers Received

Project Letter & Suffixes

Project A-? #

Project Bottle & Pres.

Project Matrix

Project Time Sampled

Project Date Sampled

Project Sample ID

Project Lab Control Number

Project Shaded Areas For Laboratory Use Only

Project Order #

Project Purchase Order #

Project Original-Return w/report

Project Yellow-Lab File Copy

Project Pink - Sampler Copy

Project Analysis Required

Project Field Tests

Project Signature

Project Affiliation

Project Date/Time

Project Signature

Project Relinquished by:

Project Received by:

Project Relinquished by:

Project Received by:

Project Relinquished by:

Project Received by:

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Project Received by:

Project Relinquished by:

Project Received by:

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 -200 μ	Mercury 200 μ	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 # 08255

Dated: 02/09/22


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: 02/09/2022
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): 12.30	Water Table Elevation NGVD (ft): 8.77	Column Height (ft): 57.12	Total Well Depth (ft): 69.42'						
WELLDIAMETER (in): 2" PVC		1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 3710								
WELL CAPACITY (gal/ft): 0.16		= (69.42' - 12.30 = 57.12) X 0.16 = 9.13 GALLONS / 0								
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 9:40	PURGE ENDED AT: 10:04	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	12.64	7.39	27.1	469	0.36	0.72	
1	10	20		12.65	7.40	27.1	470	0.41	0.41	
1	10	30		12.65	7.22	27.1	469	0.33	0.32	
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	
					7.22	27.1	469	NOT REQUIRED	0.32	
Color: Light yellow	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 2922 A				Cooler # 024			
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: 10:10	SAMPLING ENDED AT: 10:15	Weather: Overcast + cold		
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)	
1	HDPE	1- LITER	HNO3	None	
2	HDPE		H2SO4	None	
3	HDPE		ZN ACETATE	None	
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)					
SAMPLED BY (PRINT) Manny Alvarez Antonio Richards				SAMPLER(S) SIGNATURE(S) 	



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: 02/09/2022
WELL NO: CTMW- 4S	Well Type: Compliance	Well Location: Park on Hillside Drive	SITE 1810 Lantana Road, LOCATION: Lantana, FL

PURGING DATA

Top of Casing Elevation(ft): 20.95	Static Depth To Water (ft): 12.16	Water Table Elevation NGVD (ft): 8.79	Column Height (ft): 20.29	Total Well Depth (ft): 32.45'						
WELLDIAMETER (in): 2" PVC 1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 3.24										
WELL CAPACITY (gal/ft): 0.16 = (32.45' - 12.16 = 20.29) X 0.16 = 3.24 GALLONS 4										
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 10:20	PURGE ENDED AT: 10:40	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	12.30	7.12	26.7	395	0.22	7.84	
1	4	8		12.30	7.12	26.9	397	0.23	5.32	
1	4	12		12.30	6.64	26.9	398	0.17	2.68	
1	4	16		12.30	6.63	26.9	398	0.16	1.73	
				12.30	6.54	26.9	397	0.16	1.69	
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	
					6.54	26.9	397	NOT REQUIRED	1.69	
Color: Light yellow	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 2922 A				Cooler # 024			
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: 10:45	SAMPLING ENDED AT: 10:50	Weather: Overcast + Cold				
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		<2.0	Metals
2	HDPE		H2SO4	None		<2.0	Ammonia
3	HDPE		ZN ACETATE	None	7.90	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
Field Duplicate Ground Water**


SITE NAME: Central County Transfer Station		WACS Facility ID: PBCC01	DATE: 02/09/2022
Sample name: CTSFD 020922		WACS Test Site ID: PBCC07	SAMPLE TIME: 10:45
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: Overcast + cold
Sample Method: GRAB	Well, No: CTMW-4S

Field Duplicate - Field Data

FIELD VALUES →			Other	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	
				6.54	26.9	397	NOT REQUIRED	1.69	
Color: Light Yellow	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 2922 B				Cooler # 005		

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	2.0	Metals		
2	HDPE		H2SO4	None	2.0	Ammonia		
3	HDPE		ZN ACETATE	None	7.0	Sulfide		
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)								
SAMPLED BY (PRINT) Manny Alvarez				SAMPLER(S) SIGNATURE(S) 				

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: 02/09/2022
WELL NO: CTMW- 3S	Well Type: Compliance	Well Location: South of retention Pond	SITE 1810 Lantana Road, LOCATION: Lantana, FI

PURGING DATA

Top of Casing Elevation(ft): 23.35	Static Depth To Water (ft): 14.40	Water Table Elevation NGVD (ft): 8.95	Column Height (ft): 21.9	Total Well Depth (ft): 36.30'						
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	= (36.30 - 14.40 = 21.9) X 0.16 = 3.50 GALLONS 4									
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 11:15	PURGE ENDED AT: 11:34	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	0.84	14.53	7.13	26.3	206	1.00	5.75	
1	4	8		14.53	7.27	26.5	213 207	0.63	2.05	
1	4	12		14.53	7.35	26.5	217	0.51	0.64	
1	4	16		14.53	7.41	26.5	219	0.55	0.33	
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	
					7.41	26.5	219	Not required	0.33	
Color: Slight yellow	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 2922 A				Cooler # 024			
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: 11:40	SAMPLING ENDED AT: 11:45	Weather: Overcast + cold				
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		7.0	Metals
2	HDPE		H2SO4	None		7.0	Ammonia
3	HDPE		ZN ACETATE	None	7.0	Sulfide	
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)							
SAMPLED BY (PRINT) Manny Alvarez				SAMPLER(S) SIGNATURE(S) Antonio Richards			

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: 02/09/2022
WELL NO: CTMW-3E	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): 14.38	Water Table Elevation NGVD (ft): 8.96	Column Height (ft): 58.08	Total Well Depth (ft): 72.46'						
WELL DIAMETER (in): 2" PVC	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 3410									
WELL CAPACITY (gal/ft): 0.16	= (72.46' - 14.38' = 58.08) X 0.16 = 9.29 GALLONS ¹⁰									
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 11:50	PURGE ENDED AT: 12:31	TOTAL VOL. PURGED (gal): 50						
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	1.21	14.55	7.51	26.0	487	0.15	2.27	
1	10	20		14.55	7.09	26.0	488	0.30	2.38	
1	10	30		14.55	7.50	25.9	489	0.50	1.59	
1	10	40		14.55	7.55	26.0	488	0.09	1.23	
1	10	50		14.55	7.54	26.0	488	0.17	0.40	
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	
					7.54	26.0	488	—	0.40	
Color: Slight yellow	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 2922 A				Cooler # 024			
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: 12:35	SAMPLING ENDED AT: 12:40	Weather: Overcast + cold		
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	
3	HDPE		ZN ACETATE	NONE	
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)					
SAMPLED BY (PRINT): Miguel Alvarez ANTONIO RICHARDS				SAMPLER(S) SIGNATURE(S):	

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

SITE NAME: Central County Transfer Station	WACS Facility ID: PBCC01	DATE: 02/09/22
Sample name: CTSF Blank 020922	WACS Test Site ID: N/A	SAMPLE TIME: 12:50
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: Overcast + cold	
Sample Method: GRAB	Stainless Steel Submersible pump #: N/A	DI Water Lot # 01/31/22

Field Blank - Field Data

FIELD VALUES →	Other	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
		6.68	18.3	1.800	NOT REQUIRED	0.13
Color: clear	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 2922 B			Cooler # 005

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	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			