



NELAP Certificate No. E86006



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Fort Lauderdale, FL 33309
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Ground Water Monitoring Report

RECEIVED
MARCH 11, 2022

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

Date Received: 02/10/2022 17:00
Date Reported: 03/11/2022 18:07
Report Period: 2022Q1

Project Name: Central County Transfer Station MW's
Lab Work Order (COC): 22B0480

Laboratory Sample #

- 22B0480-01
- 22B0480-02
- 22B0480-03
- 22B0480-04
- 22B0480-05

Client Sample #

- CTMW-2S
- CTMW-2I
- CTMW-1S
- CTMW-1I
- Metal Trip Blank 21022



Central County Transfer Station MW's

Lab ID: 22B0480-01
Sheen: No
Color: Light Yellow
Odor: No
Matrix: Groundwater

Diameter (in): 2
Depth to Water (ft): 13.39
Top of Casing (ft): 22.15
Total Depth (ft): 37.31

Parameter Monitoring Report

WACS Facility ID #: PBCC01 **Sampling Date/Time:** 02/10/22 09:20
WACS Test Site ID#: PBCC03 **Report Period:** 2022Q1
Well Name: CTMW-2S **Well Purge (Y/N):** Y
GW Classification: G-II **Well Type:** Background **Compliance (X)**
GW Elevation (NGVD): 8.76 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	02/10/2022 09:20	396 uS/cm @ 25°C		uS/cm @ 25°C	1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	02/10/2022 09:20	7.36 pH Units		pH Units	1
	Temperature (field)	GRAB	N	FDEP SOP	02/10/2022 09:20	26.4 °C		°C	1
	Turbidity (Field)	GRAB	N	FDEP SOP	02/10/2022 09:20	2.78 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	134 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	02/16/2022 17:39	0.0492 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	02/11/2022 02:35	29.1 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	02/11/2022 18:25	26.1 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	02/10/2022 18:00	30/7.56 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	02/11/2022 12:30	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	02/11/2022 02:35	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	02/10/2022 18:00	N.O.O T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	02/11/2022 02:35	23.5 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	02/10/2022 18:30	0.0170 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	02/18/2022 11:32	202 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	02/15/2022 14:27	0.444 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 12:03	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	02/16/2022 11:46	<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	02/11/2022 13:19	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	02/11/2022 13:19	10.6 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	02/11/2022 13:19	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	02/11/2022 13:19	1.90 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	02/11/2022 14:24	1250 ug/L	5.45	50.0 ug/L	5
01051	Lead	GRAB	N	EPA 6010/3010	02/11/2022 13:19	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	02/11/2022 13:19	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	02/11/2022 13:19	21.0 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0480-02

Diameter (in): 2
 Depth to Water (ft): 13.31
 Top of Casing (ft): 22.10
 Total Depth (ft): 72.65

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

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 02/10/22 10:02
 WACS Test Site ID#: PBCC04 Report Period: 2022Q1
 Well Name: CTMW-2I 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	02/10/2022 10:02	424 uS/cm @ 25°C		uS/cm @ 25°C	1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	02/10/2022 10:02	7.54 pH Units		pH Units	1
	Temperature (field)	GRAB	N	FDEP SOP	02/10/2022 10:02	26.0 °C		°C	1
	Turbidity (Field)	GRAB	N	FDEP SOP	02/10/2022 10:02	0.16 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	194 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	02/16/2022 17:39	0.165 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	02/11/2022 02:51	23.9 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	02/11/2022 18:25	16.6 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	02/10/2022 18:00	20/7.61 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	02/11/2022 12:30	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	02/11/2022 02:51	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	02/10/2022 18:00	N.O.O T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	02/11/2022 02:51	4.51 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	02/10/2022 18:30	0.0460 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	02/18/2022 11:32	234 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	02/15/2022 14:27	0.375 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 12:08	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	02/16/2022 11:48	<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	02/11/2022 13:22	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	02/11/2022 13:22	10.7 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	02/11/2022 13:22	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	02/11/2022 13:22	0.600 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	02/11/2022 13:22	805 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	02/11/2022 13:22	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	02/11/2022 13:22	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	02/11/2022 13:22	13.7 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0480-03

Diameter (in): 2
 Depth to Water (ft): 13.42
 Top of Casing (ft): 22.27
 Total Depth (ft): 36.60

Sheen: No
 Color: Clear
 Odor: No
 Matrix: Groundwater

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 02/10/22 10:42
 WACS Test Site ID#: PBCC01 Report Period: 2022Q1
 Well Name: CTMW-1S Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 8.85 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	02/10/2022 10:42	257 uS/cm @ 25°C		uS/cm @ 25°C	1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	02/10/2022 10:42	7.51 pH Units		pH Units	1
	Temperature (field)	GRAB	N	FDEP SOP	02/10/2022 10:42	27.3 °C		°C	1
	Turbidity (Field)	GRAB	N	FDEP SOP	02/10/2022 10:42	0.38 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	94.2 mg/L J3	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	02/16/2022 17:39	0.0300 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	02/11/2022 03:08	14.5 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	02/11/2022 18:25	<2.54 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	02/10/2022 18:00	20/7.60 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	02/11/2022 12:30	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	02/11/2022 03:08	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	02/10/2022 18:00	N.O.O T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	02/11/2022 03:08	6.76 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 11:32	138 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 J3	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 12:12	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	02/16/2022 12:50	<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	02/11/2022 13:25	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	02/11/2022 13:25	6.80 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	02/11/2022 13:25	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	02/11/2022 13:25	0.900 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	02/11/2022 13:25	727 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	02/11/2022 13:25	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	02/11/2022 13:25	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	02/11/2022 13:25	6.77 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0480-04

Diameter (in): 2
 Depth to Water (ft): 13.49
 Top of Casing (ft): 22.31
 Total Depth (ft): 69.30

Sheen: No
 Color: Clear
 Odor: No
 Matrix: Groundwater

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 02/10/22 11:23
 WACS Test Site ID#: PBCC02 Report Period: 2022Q1
 Well Name: CTMW-11 Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 8.82 Intermediate Other

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

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

00402	Specific Conductance (field)	GRAB	N	FDEP SOP	02/10/2022 11:23	510 uS/cm @ 25°C		uS/cm @ 25°C	1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	02/10/2022 11:23	7.32 pH Units		pH Units	1
	Temperature (field)	GRAB	N	FDEP SOP	02/10/2022 11:23	27.7 °C		°C	1
	Turbidity (Field)	GRAB	N	FDEP SOP	02/10/2022 11:23	0.51 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	02/18/2022 20:05	237 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	02/16/2022 17:39	0.232 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	02/11/2022 03:24	25.5 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	02/11/2022 18:25	30.8 mg/L	2.54	10.0 mg/L	1
	Color	GRAB	N	SM 2120B	02/10/2022 18:00	55/7.36 Pt-Co	5.00	15.0 Pt-Co	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	02/11/2022 12:30	0.0490 mg/L I	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	02/11/2022 03:24	<0.00720 mg/L	0.00720	0.0750 mg/L	1
	Odor at 60°C	GRAB	N	SM 2150B	02/10/2022 18:00	N.O.O T.O.N.	1.00	3.00 T.O.N.	1
00945	Sulfate	GRAB	N	EPA 300.0	02/11/2022 03:24	15.9 mg/L	0.0953	0.500 mg/L	1
	Sulfide	GRAB	N	SM 4500-S D	02/10/2022 18:30	0.0370 mg/L	0.00210	0.0100 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	02/18/2022 11:32	314 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	02/15/2022 14:27	0.701 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 12:17	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	02/16/2022 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	02/11/2022 13:49	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	02/11/2022 13:49	14.5 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB	N	EPA 6010/3010	02/11/2022 13:49	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	02/11/2022 13:49	2.30 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	02/11/2022 15:33	1060 ug/L	5.45	50.0 ug/L	5
01051	Lead	GRAB	N	EPA 6010/3010	02/11/2022 13:49	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	02/11/2022 13:49	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	02/11/2022 13:49	16.4 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station MW's

Lab ID: 22B0480-05

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: 02/10/22 09:20

WACS Test Site ID#:

Report Period: 2022Q1

Well Name: Metal Trip Blank 21022

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 12:22	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB		EPA 200.8	02/16/2022 12:54	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic	GRAB		EPA 6010/3010	02/11/2022 13:37	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB		EPA 6010/3010	02/11/2022 13:37	<0.0728 ug/L	0.0728	1.00 ug/L	1
01027	Cadmium	GRAB		EPA 6010/3010	02/11/2022 13:37	<0.181 ug/L	0.181	1.00 ug/L	1
01034	Chromium	GRAB		EPA 6010/3010	02/11/2022 13:37	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB		EPA 6010/3010	02/11/2022 13:37	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB		EPA 6010/3010	02/11/2022 13:37	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB		EPA 6010/3010	02/11/2022 13:37	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB		EPA 6010/3010	02/11/2022 13:37	<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)

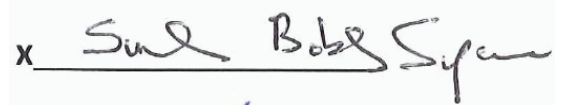
Legionella analyzed under CDC accreditation program

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 #

2280480

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
- 111 E. Easton Drive, Lakeland, FL 33803

COC# A 08256
 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

Logged by **WVA** Doc. Ctrl: 0401120-003

Meets Acceptance Criteria: **Y** Date: 10/28/20

Report to: **501 N. Jog Road, WPB, FL 33412**

Contact: Managing Hydrogeologist

Phone: **561 640-4000**

Project Name: **Central County Transfer Station**

and/or Number: **MONITORING WELLS**

Project: **MONITORING WELLS**

Contact: **ANTONIA RICHARDS**

(printed) **MANNY ALVAREZ**

Sampler Signature

Manny Alvarez

Email:

Yellow-Lab File Copy

Original-Return w/report

Pink - Sampler Copy

Report to Address:

Invoice to Address:

Site Location:

Fax:

Affiliation:

ORDER # Lab Control Number	Sample ID	Date Sampled	Time Sampled	Matrix	Bottle & Pres.	Number of Containers Received & NELAC Letter Suffixes	Analysis Required						
							T E M P °C	P H	C O N D	C H L O R			
01	CTMW-2S	2/10/22	9:20	GW	Combo Codes AS 12-624	6							
02	CTMW-2I	2/10/22	10:02	GW	W 74 fpl	6							
03	CTMW-1S	2/10/22	10:42	GW		6							
04	CTMW-1I	2/10/22	11:23	GW		6							
05	Metaltrip Blank 21022	2/10/22	9:20	DT	AK	1							
Total													

See page 3
 Letter of: 12/16/2021

Special Comments: **COOLER # 021**

I waive TNI protocol (emergency) (sign here) >

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

Signature: **MANNY ALVAREZ** 2/10/22

Date/Time: **2/10/22 13:16**

Relinquished by: **MANNY ALVAREZ** 2/10/22

Received by: *[Signature]* 02/10/22 13:16

Relinquished by: *[Signature]* 02/10/22 17:00

Received by: *[Signature]* 2/10/22 17:00

Relinquished by: *[Signature]*

Received by: *[Signature]*

Relinquished by: *[Signature]*

Received by: *[Signature]*

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Sample Custody & Field Comments

Received on Ice: **Y** **4.0**

Temperature received: **Y**

Seals? **Y** **GUN-1**

FIELD TIME

Pick Up _____ hrs

Charges _____

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

Preservatives

A-ascorbic acid P-H3PO4
 C-HCL S-H2SO4
 Cu-CuSO4 T-Na2S2O3
 DI-DI water U-Unpreserved
 H-HNO3 N-NaOH
 M-MCAB NH4-NH4CL
 MeOH-Methanol Y-Sterile
 Z-zinc acetate

Additional Preservatives

Hex-Hex Cr Buffer
 EDA-Ethylene Diamine

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 (CTSFD)

1 Field Blank (CTSFB)

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 # 08256

Dated 2/10/22

Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		WACS Facility ID: PBCC01 WACS Test Site ID: PBCC03	DATE: 02/10/2022
WELL NO: CTMW- 2S	Well Type: Compliance	Well Location: West of retention Pond	SITE 1810 Lantana Road, LOCATION: Lantana, FI

PURGING DATA

Top of Casing Elevation(ft): 22.15	Static Depth To Water (ft): 13.39	Water Table Elevation NGVD (ft): 8.76	Column Height (ft): 23.92	Total Well Depth (ft): 37.31'					
WELLDIAMETER (in): 2" PVC	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 3+4								
WELL CAPACITY (gal/ft): 0.16	= (37.31 - 13.39 = 23.92) X 0.16 = 3.82 GALLONS 4								
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 9:00	PURGE ENDED AT: 9:14	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	0.85	13.49	7.27	26.3	385	0.36	3.64
1	4	8		13.49	7.41	26.4	394	0.28	4.36
1	4	12		13.49	7.36	26.4	396	0.25	2.78
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
					7.36	26.4	396	—	2.78
Color: Light yellow	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 21022				Cooler # 026		
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: 9:20	SAMPLING ENDED AT: 9:25	Weather: Sunny + cool		
FIELD DECONTAMINATION: No			FIELD-FILTERED: No	DUPLICATE: Y <input checked="" type="checkbox"/> (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	7.9.0	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: PBCC04	DATE: 02/10/2022
WELL NO: CTMW-2I	Well Type: Compliance	Well Location: West of retention Pond	SITE 1810 Lantana Road, LOCATION: Lantana, FI

PURGING DATA

Top of Casing Elevation(ft): 22.10	Static Depth To Water (ft): 13.31	Water Table Elevation NGVD (ft): 8.79	Column Height (ft): 59.34	Total Well Depth (ft): 72.65'					
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	= (72.65 - 13.31 = 59.34) X 0.16 = 9.49 GALLONS 10								
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 9:30	PURGE ENDED AT: 9:54	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	13.50	7.53	26.0	422	0.25	0.55
1	10	20		13.50	7.53	26.0	424	0.16	0.18
1	10	30		13.50	7.54	26.0	424	0.15	0.16
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
					7.54	26.0	424	NOT REQUIRED	0.16
Color: slight yellow	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 21022			Cooler # 026			
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: 10:02	SAMPLING ENDED AT: 10:07	Weather: Sunny + cool				
FIELD DECONTAMINATION: No	FIELD-FILTERED: No	DUPLICATE: Y <input checked="" type="checkbox"/>					
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				Ammonia
3	HDPE		ZN ACETATE			Sulfide	
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)							
SAMPLED BY (PRINT)			SAMPLER(S) SIGNATURE(S)				
Manny Alvarez Antonio			Richard				

Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		WACS Facility ID: PBCC01 WACS Test Site ID: PBCC01	DATE: 02/10/2022
WELL NO: CTMW-1S	Well Type: Compliance	Well Location: North of retention Pond	SITE 1810 Lantana Road, LOCATION: Lantana, Fl

PURGING DATA

Top of Casing Elevation(ft): 22.27	Static Depth To Water (ft): 13.42	Water Table Elevation NGVD (ft): 8.85	Column Height (ft): 23.18	Total Well Depth (ft): 36.60'					
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	= (36.60 - 13.42 = 23.18) X 0.16 = 3.70 GALLONS 4								
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 10:25	PURGE ENDED AT: 10:38	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	0.92	13.63	7.37	27.2	239	0.46	0.78
1	4	8		13.63	7.52	27.3	254	0.23	0.75
1	4	12		13.63	7.51	27.3	257	0.18	0.38
FINAL FIELD VALUES →					pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
					7.51	27.3	257	NOT REQUIRED	0.38
Color: Clear	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 21022				Cooler #: 026		
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: 10:43	SAMPLING ENDED AT: 10:48	Weather: Sunny + cool				
FIELD DECONTAMINATION: No	FIELD-FILTERED: No	DUPLICATE: Y <input checked="" type="checkbox"/>					
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	79.0	Sulfide	
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)							
SAMPLED BY (PRINT)			SAMPLER(S) SIGNATURE(S)				
Manny Alvarez			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: PBCC02	DATE: 02/10/2022
WELL NO: CTMW-1I	Well Type: Compliance	Well Location: North of retention Pond	SITE LOCATION: 1810 Lantana Road, Lantana, Fl

PURGING DATA

Top of Casing Elevation(ft): 22.31	Static Depth To Water (ft): 13.49	Water Table Elevation NGVD (ft): 8.82	Column Height (ft): 55.81	Total Well Depth (ft): 69.30'
WELLDIAMETER (in): 2" PVC	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 349			
WELL CAPACITY (gal/ft): 0.16	= (69.30 - 13.49 = 55.81) X 0.16 = 8.92 GALLONS 9			

PURGE METHOD: Redi-flo	PURGE INITIATED AT: 10:55	PURGE ENDED AT: 11:17	TOTAL VOL. PURGED (gal): 27
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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	13.90	7.28	27.6	509	0.21	2.29
1	9	18		13.90	7.32	27.6	510	0.15	0.93
1	9	27		13.90	7.32	27.7	510	0.13	0.51

FINAL FIELD VALUES →				pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
				7.32	27.7	510	NOT REQUIRED	0.51

Color: clear	Odor: NO	Sheen: NO	Comments: Metal Trip Blank 21022	Cooler #: 026
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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: 11:23	SAMPLING ENDED AT: 11:28	Weather: Sunny + cool
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FIELD DECONTAMINATION: No	FIELD-FILTERED: No	DUPLICATE: Y (N)
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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): Manny Alvarez Antonio Richards	SAMPLER(S) SIGNATURE(S):
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