



NELAP Certificate No. E86006



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RECEIVED
SEPT 29, 2021

Ground Water Monitoring Report

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

Date Received: 08/25/2021 16:05
Date Reported: 09/29/2021 21:10
Report Period: 2021Q3

Project Name: Central County Transfer Station MW's
Lab Work Order (COC): 21H0963

Laboratory Sample #

- 21H0963-01
- 21H0963-02
- 21H0963-03
- 21H0963-04
- 21H0963-05
- 21H0963-06
- 21H0963-07

Client Sample #

- CTMW-2S
- CTMW-2I
- CTMW-1S
- CTMW-1I
- CTSF Blank 082521
- Metal Trip Blank 82521A
- Metal Trip Blank 82521B



Central County Transfer Station MW's

Lab ID: 21H0963-01

Diameter (in): 2
 Depth to Water (ft): 14.43
 Top of Casing (ft): 22.15
 Total Depth (ft): 37.31

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

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 08/25/21 08:53
 WACS Test Site ID#: PBCC03 Report Period: 2021Q3
 Well Name: CTMW-2S Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 7.72 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 | 08/25/2021 08:53 | 404 uS/cm @ 25°C | | uS/cm @ 25°C | 1 |
| 00406 | pH (Field) at 25°C | GRAB | N | FDEP SOP | 08/25/2021 08:53 | 6.87 pH Units | | pH Units | 1 |
| | Temperature (field) | GRAB | N | FDEP SOP | 08/25/2021 08:53 | 26.6 °C | | °C | 1 |
| | Turbidity (Field) | GRAB | N | FDEP SOP | 08/25/2021 08:53 | 1.61 NTU | | NTU | 1 |

Classical Chemistry Parameters

| | | | | | | | | | |
|--|------|------|---|-----------|------------------|------------|------|-----------|---|
| | TRPH | GRAB | N | EPA 1664A | 09/03/2021 13:50 | <1.39 mg/L | 1.39 | 4.18 mg/L | 1 |
|--|------|------|---|-----------|------------------|------------|------|-----------|---|

Wet Chemistry

| | | | | | | | | | |
|-------|--------------------------|------|---|-------------|------------------|-------------------|---------|-------------|---|
| | Total Alkalinity | GRAB | N | EPA 310.2 | 08/26/2021 20:27 | 157 mg/L | 2.49 | 7.46 mg/L | 1 |
| 00151 | Ammonia as N | GRAB | N | EPA 350.1 | 08/28/2021 13:10 | <0.00620 mg/L | 0.00620 | 0.0500 mg/L | 1 |
| 00940 | Chloride | GRAB | N | EPA 300.0 | 08/26/2021 19:28 | 27.2 mg/L | 0.126 | 0.500 mg/L | 1 |
| | Chemical Oxygen Demand | GRAB | N | EPA 410.4 | 08/28/2021 13:25 | 28.2 mg/L | 2.54 | 10.0 mg/L | 1 |
| | Color | GRAB | N | SM 2120B | 08/26/2021 19:20 | 30.0/7.63 Pt-Co | 5.00 | 15.0 Pt-Co | 1 |
| | MBAS as LAS, mol wt. 340 | GRAB | N | SM5540C | 08/26/2021 07:30 | <0.0220 mg/L | 0.0220 | 0.100 mg/L | 1 |
| 71851 | Nitrate as N | GRAB | N | EPA 300.0 | 08/26/2021 19:28 | 0.0280 mg/L J-8 I | 0.00720 | 0.0750 mg/L | 1 |
| | Odor at 60°C | GRAB | N | SM 2150B | 08/25/2021 17:25 | <1.00 T.O.N. | 1.00 | 3.00 T.O.N. | 1 |
| 00945 | Sulfate | GRAB | N | EPA 300.0 | 08/26/2021 19:28 | 22.1 mg/L | 0.0953 | 0.500 mg/L | 1 |
| | Sulfide | GRAB | N | SM 4500-S D | 08/27/2021 16:30 | 0.0310 mg/L | 0.00210 | 0.0100 mg/L | 1 |
| 00134 | Total Dissolved Solids | GRAB | N | SM 2540C | 08/27/2021 15:29 | 236 mg/L | 10.0 | 30.0 mg/L | 1 |
| 81393 | Total Kjeldahl Nitrogen | GRAB | N | EPA 351.2 | 09/03/2021 18:18 | 0.653 mg/L | 0.184 | 0.552 mg/L | 1 |

Total Recoverable Metals by EPA 200 Series Methods

| | | | | | | | | | |
|-------|---------|------|---|-----------|------------------|--------------|--------|------------|---|
| 01042 | Copper | GRAB | N | EPA 200.8 | 08/27/2021 11:29 | <1.01 ug/L | 1.01 | 4.00 ug/L | 1 |
| 71900 | Mercury | GRAB | N | EPA 200.8 | 08/26/2021 14:43 | <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 | 08/26/2021 13:13 | <2.21 ug/L | 2.21 | 10.0 ug/L | 1 |
| 01007 | Barium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:13 | 10.7 ug/L | 0.0728 | 1.00 ug/L | 1 |
| 01027 | Cadmium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:13 | <0.181 ug/L | 0.181 | 1.00 ug/L | 1 |
| 01034 | Chromium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:13 | 1.00 ug/L I | 0.339 | 5.00 ug/L | 1 |
| 01045 | Iron | GRAB | N | EPA 6010/3010 | 08/26/2021 14:18 | 1160 ug/L | 2.18 | 20.0 ug/L | 2 |
| 01051 | Lead | GRAB | N | EPA 6010/3010 | 08/26/2021 13:13 | <1.19 ug/L | 1.19 | 10.0 ug/L | 1 |
| 01147 | Selenium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:13 | <3.46 ug/L | 3.46 | 15.0 ug/L | 1 |
| 00934 | Sodium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:13 | 18.8 mg/L | 0.446 | 2.00 mg/L | 1 |



Central County Transfer Station MW's

Lab ID: 21H0963-02

Diameter (in): 2
 Depth to Water (ft): 14.36
 Top of Casing (ft): 22.10
 Total Depth (ft): 72.65

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

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 08/25/21 09:40
 WACS Test Site ID#: PBCC04 Report Period: 2021Q3
 Well Name: CTMW-2I Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 7.74 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 | 08/25/2021 09:40 | 415 uS/cm @ 25°C | | uS/cm @ 25°C | 1 |
| 00406 | pH (Field) at 25°C | GRAB | N | FDEP SOP | 08/25/2021 09:40 | 6.89 pH Units | | pH Units | 1 |
| | Temperature (field) | GRAB | N | FDEP SOP | 08/25/2021 09:40 | 26.2 °C | | °C | 1 |
| | Turbidity (Field) | GRAB | N | FDEP SOP | 08/25/2021 09:40 | 0.28 NTU | | NTU | 1 |

Classical Chemistry Parameters

| | | | | | | | | | |
|--|------|------|---|-----------|------------------|------------|------|-----------|---|
| | TRPH | GRAB | N | EPA 1664A | 09/03/2021 13:50 | <1.39 mg/L | 1.39 | 4.18 mg/L | 1 |
|--|------|------|---|-----------|------------------|------------|------|-----------|---|

Wet Chemistry

| | | | | | | | | | |
|-------|--------------------------|------|---|-------------|------------------|-------------------|---------|-------------|---|
| | Total Alkalinity | GRAB | N | EPA 310.2 | 08/26/2021 20:27 | 205 mg/L | 2.49 | 7.46 mg/L | 1 |
| 00151 | Ammonia as N | GRAB | N | EPA 350.1 | 08/28/2021 13:10 | 0.112 mg/L | 0.00620 | 0.0500 mg/L | 1 |
| 00940 | Chloride | GRAB | N | EPA 300.0 | 08/26/2021 19:45 | 23.7 mg/L | 0.126 | 0.500 mg/L | 1 |
| | Chemical Oxygen Demand | GRAB | N | EPA 410.4 | 08/28/2021 13:25 | 14.1 mg/L | 2.54 | 10.0 mg/L | 1 |
| | Color | GRAB | N | SM 2120B | 08/26/2021 19:20 | 20.0/7.62 Pt-Co | 5.00 | 15.0 Pt-Co | 1 |
| | MBAS as LAS, mol wt. 340 | GRAB | N | SM5540C | 08/26/2021 07:30 | <0.0220 mg/L | 0.0220 | 0.100 mg/L | 1 |
| 71851 | Nitrate as N | GRAB | N | EPA 300.0 | 08/26/2021 19:45 | 0.0300 mg/L J-8 I | 0.00720 | 0.0750 mg/L | 1 |
| | Odor at 60°C | GRAB | N | SM 2150B | 08/25/2021 18:50 | 6.00 T.O.N. | 1.00 | 3.00 T.O.N. | 1 |
| 00945 | Sulfate | GRAB | N | EPA 300.0 | 08/26/2021 19:45 | 2.58 mg/L | 0.0953 | 0.500 mg/L | 1 |
| | Sulfide | GRAB | N | SM 4500-S D | 08/27/2021 16:30 | 0.0480 mg/L | 0.00210 | 0.0100 mg/L | 1 |
| 00134 | Total Dissolved Solids | GRAB | N | SM 2540C | 08/27/2021 15:29 | 230 mg/L | 10.0 | 30.0 mg/L | 1 |
| 81393 | Total Kjeldahl Nitrogen | GRAB | N | EPA 351.2 | 09/03/2021 18:18 | 0.519 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 | 08/27/2021 11:32 | <1.01 ug/L | 1.01 | 4.00 ug/L | 1 |
| 71900 | Mercury | GRAB | N | EPA 200.8 | 08/26/2021 14:45 | <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 | 08/26/2021 13:15 | <2.21 ug/L | 2.21 | 10.0 ug/L | 1 |
| 01007 | Barium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:15 | 10.4 ug/L | 0.0728 | 1.00 ug/L | 1 |
| 01027 | Cadmium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:15 | <0.181 ug/L | 0.181 | 1.00 ug/L | 1 |
| 01034 | Chromium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:15 | <0.339 ug/L | 0.339 | 5.00 ug/L | 1 |
| 01045 | Iron | GRAB | N | EPA 6010/3010 | 08/26/2021 13:15 | 794 ug/L | 1.09 | 10.0 ug/L | 1 |
| 01051 | Lead | GRAB | N | EPA 6010/3010 | 08/26/2021 13:15 | <1.19 ug/L | 1.19 | 10.0 ug/L | 1 |
| 01147 | Selenium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:15 | <3.46 ug/L | 3.46 | 15.0 ug/L | 1 |
| 00934 | Sodium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:15 | 12.7 mg/L | 0.446 | 2.00 mg/L | 1 |



Central County Transfer Station MW's

Lab ID: 21H0963-03

Diameter (in): 2
 Depth to Water (ft): 14.65
 Top of Casing (ft): 22.27
 Total Depth (ft): 36.60

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

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 08/25/21 10:30
 WACS Test Site ID#: PBCC01 Report Period: 2021Q3
 Well Name: CTMW-1S Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 7.62 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 | 08/25/2021 10:30 | 276 uS/cm @ 25°C | | uS/cm @ 25°C | 1 |
| 00406 | pH (Field) at 25°C | GRAB | N | FDEP SOP | 08/25/2021 10:30 | 6.71 pH Units | | pH Units | 1 |
| | Temperature (field) | GRAB | N | FDEP SOP | 08/25/2021 10:30 | 27.6 °C | | °C | 1 |
| | Turbidity (Field) | GRAB | N | FDEP SOP | 08/25/2021 10:30 | 0.71 NTU | | NTU | 1 |

Classical Chemistry Parameters

| | | | | | | | | | |
|--|------|------|---|-----------|------------------|------------|------|-----------|---|
| | TRPH | GRAB | N | EPA 1664A | 09/03/2021 13:50 | <1.39 mg/L | 1.39 | 4.18 mg/L | 1 |
|--|------|------|---|-----------|------------------|------------|------|-----------|---|

Wet Chemistry

| | | | | | | | | | |
|-------|--------------------------|------|---|-------------|------------------|-------------------|---------|-------------|---|
| | Total Alkalinity | GRAB | N | EPA 310.2 | 08/26/2021 20:27 | 114 mg/L | 2.49 | 7.46 mg/L | 1 |
| 00151 | Ammonia as N | GRAB | N | EPA 350.1 | 08/28/2021 13:10 | <0.00620 mg/L | 0.00620 | 0.0500 mg/L | 1 |
| 00940 | Chloride | GRAB | N | EPA 300.0 | 08/26/2021 20:02 | 14.5 mg/L | 0.126 | 0.500 mg/L | 1 |
| | Chemical Oxygen Demand | GRAB | N | EPA 410.4 | 08/28/2021 13:25 | 7.10 mg/L I | 2.54 | 10.0 mg/L | 1 |
| | Color | GRAB | N | SM 2120B | 08/26/2021 19:20 | 20.0/7.69 Pt-Co | 5.00 | 15.0 Pt-Co | 1 |
| | MBAS as LAS, mol wt. 340 | GRAB | N | SM5540C | 08/26/2021 07:30 | <0.0220 mg/L | 0.0220 | 0.100 mg/L | 1 |
| 71851 | Nitrate as N | GRAB | N | EPA 300.0 | 08/26/2021 20:02 | 0.0280 mg/L J-8 I | 0.00720 | 0.0750 mg/L | 1 |
| | Odor at 60°C | GRAB | N | SM 2150B | 08/25/2021 19:00 | <1.00 T.O.N. | 1.00 | 3.00 T.O.N. | 1 |
| 00945 | Sulfate | GRAB | N | EPA 300.0 | 08/26/2021 20:02 | 8.11 mg/L | 0.0953 | 0.500 mg/L | 1 |
| | Sulfide | GRAB | N | SM 4500-S D | 08/27/2021 16:30 | <0.00210 mg/L | 0.00210 | 0.0100 mg/L | 1 |
| 00134 | Total Dissolved Solids | GRAB | N | SM 2540C | 08/27/2021 15:29 | 151 mg/L | 10.0 | 30.0 mg/L | 1 |
| 81393 | Total Kjeldahl Nitrogen | GRAB | N | EPA 351.2 | 09/03/2021 18:18 | 0.186 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 | 08/27/2021 11:34 | <1.01 ug/L | 1.01 | 4.00 ug/L | 1 |
| 71900 | Mercury | GRAB | N | EPA 200.8 | 08/26/2021 14:47 | <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 | 08/26/2021 13:18 | <2.21 ug/L | 2.21 | 10.0 ug/L | 1 |
| 01007 | Barium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:18 | 7.00 ug/L | 0.0728 | 1.00 ug/L | 1 |
| 01027 | Cadmium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:18 | <0.181 ug/L | 0.181 | 1.00 ug/L | 1 |
| 01034 | Chromium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:18 | 0.600 ug/L I | 0.339 | 5.00 ug/L | 1 |
| 01045 | Iron | GRAB | N | EPA 6010/3010 | 08/26/2021 13:18 | 655 ug/L | 1.09 | 10.0 ug/L | 1 |
| 01051 | Lead | GRAB | N | EPA 6010/3010 | 08/26/2021 13:18 | <1.19 ug/L | 1.19 | 10.0 ug/L | 1 |
| 01147 | Selenium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:18 | <3.46 ug/L | 3.46 | 15.0 ug/L | 1 |
| 00934 | Sodium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:18 | 6.23 mg/L | 0.446 | 2.00 mg/L | 1 |



Central County Transfer Station MW's

Lab ID: 21H0963-04

Diameter (in): 2
 Depth to Water (ft): 14.68
 Top of Casing (ft): 22.31
 Total Depth (ft): 69.30

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

Parameter Monitoring Report

WACS Facility ID #: PBCC01 Sampling Date/Time: 08/25/21 11:10
 WACS Test Site ID#: PBCC02 Report Period: 2021Q3
 Well Name: CTMW-11 Well Purge (Y/N): Y
 GW Classification: G-II Well Type: Background Compliance (X)
 GW Elevation (NGVD): 7.63 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 | 08/25/2021 11:10 | 500 uS/cm @ 25°C | | uS/cm @ 25°C | 1 |
| 00406 | pH (Field) at 25°C | GRAB | N | FDEP SOP | 08/25/2021 11:10 | 6.60 pH Units | | pH Units | 1 |
| | Temperature (field) | GRAB | N | FDEP SOP | 08/25/2021 11:10 | 28.0 °C | | °C | 1 |
| | Turbidity (Field) | GRAB | N | FDEP SOP | 08/25/2021 11:10 | 1.10 NTU | | NTU | 1 |

Classical Chemistry Parameters

| | | | | | | | | | |
|--|------|------|---|-----------|------------------|------------|------|-----------|---|
| | TRPH | GRAB | N | EPA 1664A | 09/03/2021 13:50 | <1.39 mg/L | 1.39 | 4.18 mg/L | 1 |
|--|------|------|---|-----------|------------------|------------|------|-----------|---|

Wet Chemistry

| | | | | | | | | | |
|-------|--------------------------|------|---|-------------|------------------|-------------------|---------|-------------|---|
| | Total Alkalinity | GRAB | N | EPA 310.2 | 08/26/2021 20:27 | 232 mg/L | 2.49 | 7.46 mg/L | 1 |
| 00151 | Ammonia as N | GRAB | N | EPA 350.1 | 08/28/2021 13:10 | 0.186 mg/L | 0.00620 | 0.0500 mg/L | 1 |
| 00940 | Chloride | GRAB | N | EPA 300.0 | 08/26/2021 20:53 | 26.8 mg/L | 0.126 | 0.500 mg/L | 1 |
| | Chemical Oxygen Demand | GRAB | N | EPA 410.4 | 08/28/2021 13:25 | 32.9 mg/L | 2.54 | 10.0 mg/L | 1 |
| | Color | GRAB | N | SM 2120B | 08/26/2021 19:20 | 50.0/7.39 Pt-Co | 5.00 | 15.0 Pt-Co | 1 |
| | MBAS as LAS, mol wt. 340 | GRAB | N | SM5540C | 08/26/2021 07:30 | <0.0220 mg/L | 0.0220 | 0.100 mg/L | 1 |
| 71851 | Nitrate as N | GRAB | N | EPA 300.0 | 08/26/2021 20:53 | 0.0260 mg/L J-8 I | 0.00720 | 0.0750 mg/L | 1 |
| | Odor at 60°C | GRAB | N | SM 2150B | 08/25/2021 19:05 | <1.00 T.O.N. | 1.00 | 3.00 T.O.N. | 1 |
| 00945 | Sulfate | GRAB | N | EPA 300.0 | 08/26/2021 20:53 | 16.7 mg/L | 0.0953 | 0.500 mg/L | 1 |
| | Sulfide | GRAB | N | SM 4500-S D | 08/27/2021 16:30 | 0.0290 mg/L | 0.00210 | 0.0100 mg/L | 1 |
| 00134 | Total Dissolved Solids | GRAB | N | SM 2540C | 08/27/2021 15:29 | 294 mg/L | 20.0 | 60.0 mg/L | 2 |
| 81393 | Total Kjeldahl Nitrogen | GRAB | N | EPA 351.2 | 09/03/2021 18:18 | 0.661 mg/L | 0.184 | 0.552 mg/L | 1 |

Total Recoverable Metals by EPA 200 Series Methods

| | | | | | | | | | |
|-------|---------|------|---|-----------|------------------|--------------|--------|------------|---|
| 01042 | Copper | GRAB | N | EPA 200.8 | 08/27/2021 11:37 | <1.01 ug/L | 1.01 | 4.00 ug/L | 1 |
| 71900 | Mercury | GRAB | N | EPA 200.8 | 08/26/2021 15:41 | <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 | 08/26/2021 13:21 | <2.21 ug/L | 2.21 | 10.0 ug/L | 1 |
| 01007 | Barium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:21 | 14.2 ug/L | 0.0728 | 1.00 ug/L | 1 |
| 01027 | Cadmium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:21 | <0.181 ug/L | 0.181 | 1.00 ug/L | 1 |
| 01034 | Chromium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:21 | 2.20 ug/L I | 0.339 | 5.00 ug/L | 1 |
| 01045 | Iron | GRAB | N | EPA 6010/3010 | 08/26/2021 14:21 | 1050 ug/L | 2.18 | 20.0 ug/L | 2 |
| 01051 | Lead | GRAB | N | EPA 6010/3010 | 08/26/2021 13:21 | <1.19 ug/L | 1.19 | 10.0 ug/L | 1 |
| 01147 | Selenium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:21 | <3.46 ug/L | 3.46 | 15.0 ug/L | 1 |
| 00934 | Sodium | GRAB | N | EPA 6010/3010 | 08/26/2021 13:21 | 15.5 mg/L | 0.446 | 2.00 mg/L | 1 |



Central County Transfer Station MW's

Lab ID: 21H0963-05

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 #:

Sampling Date/Time: 08/25/21 11:26

WACS Test Site ID#:

Report Period: 2021Q3

Well Name: CTSF Blank 082521

Well Purge (Y/N):

GW Classification:

Well Type:

Background
Intermediate

Compliance
Other

(X)

GW Elevation (NGVD):

| 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 |
|-------------|-----------|----------------------------|---------------------|-----------------|--------------------|------------------------|-------------------------------|-----|------------|
|-------------|-----------|----------------------------|---------------------|-----------------|--------------------|------------------------|-------------------------------|-----|------------|

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

| | | | | | | | | | |
|-------|------------------------------|------|--|----------|------------------|-------------------|--------------|--|---|
| 00402 | Specific Conductance (field) | GRAB | | FDEP SOP | 08/25/2021 11:26 | 1.15 uS/cm @ 25°C | uS/cm @ 25°C | | 1 |
| 00406 | pH (Field) at 25°C | GRAB | | FDEP SOP | 08/25/2021 11:26 | 5.64 pH Units | pH Units | | 1 |
| | Temperature (field) | GRAB | | FDEP SOP | 08/25/2021 11:26 | 27.9 °C | °C | | 1 |
| | Turbidity (Field) | GRAB | | FDEP SOP | 08/25/2021 11:26 | 0.34 NTU | NTU | | 1 |

Classical Chemistry Parameters

| | | | | | | | | | |
|--|------|------|--|-----------|------------------|------------|------|-----------|---|
| | TRPH | GRAB | | EPA 1664A | 09/03/2021 13:50 | <1.39 mg/L | 1.39 | 4.18 mg/L | 1 |
|--|------|------|--|-----------|------------------|------------|------|-----------|---|

Wet Chemistry

| | | | | | | | | | |
|-------|--------------------------|------|--|-------------|------------------|------------------|---------|-------------|---|
| | Total Alkalinity | GRAB | | EPA 310.2 | 08/26/2021 20:27 | <2.49 mg/L | 2.49 | 7.46 mg/L | 1 |
| 00151 | Ammonia as N | GRAB | | EPA 350.1 | 08/28/2021 13:10 | <0.00620 mg/L | 0.00620 | 0.0500 mg/L | 1 |
| 00940 | Chloride | GRAB | | EPA 300.0 | 08/26/2021 21:11 | 0.140 mg/L I | 0.126 | 0.500 mg/L | 1 |
| | Chemical Oxygen Demand | GRAB | | EPA 410.4 | 08/28/2021 13:25 | <2.54 mg/L | 2.54 | 10.0 mg/L | 1 |
| | Color | GRAB | | SM 2120B | 08/26/2021 19:20 | 0.0/6.05 Pt-Co | 5.00 | 15.0 Pt-Co | 1 |
| | MBAS as LAS, mol wt. 340 | GRAB | | SM5540C | 08/26/2021 07:30 | <0.0220 mg/L | 0.0220 | 0.100 mg/L | 1 |
| 71851 | Nitrate as N | GRAB | | EPA 300.0 | 08/26/2021 21:11 | 0.0270 mg/L I | 0.00720 | 0.0750 mg/L | 1 |
| | Odor at 60°C | GRAB | | SM 2150B | 08/25/2021 19:20 | <1.00 T.O.N. | 1.00 | 3.00 T.O.N. | 1 |
| 00945 | Sulfate | GRAB | | EPA 300.0 | 08/26/2021 21:11 | <0.0953 mg/L | 0.0953 | 0.500 mg/L | 1 |
| | Sulfide | GRAB | | SM 4500-S D | 08/27/2021 16:30 | <0.00210 mg/L J3 | 0.00210 | 0.0100 mg/L | 1 |
| 00134 | Total Dissolved Solids | GRAB | | SM 2540C | 08/27/2021 15:29 | <10.0 mg/L | 10.0 | 30.0 mg/L | 1 |
| 81393 | Total Kjeldahl Nitrogen | GRAB | | EPA 351.2 | 09/03/2021 18:18 | <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 | 08/27/2021 11:40 | <1.01 ug/L | 1.01 | 4.00 ug/L | 1 |
| 71900 | Mercury | GRAB | | EPA 200.8 | 08/26/2021 15:43 | <0.0116 ug/L | 0.0116 | 0.100 ug/L | 1 |

Metals by EPA 6000/7000 Series Methods

| | | | | | | | | | |
|-------|----------|------|--|---------------|------------------|--------------|--------|-----------|---|
| 01002 | Arsenic | GRAB | | EPA 6010/3010 | 08/26/2021 14:24 | <2.21 ug/L | 2.21 | 10.0 ug/L | 1 |
| 01007 | Barium | GRAB | | EPA 6010/3010 | 08/26/2021 14:24 | <0.0728 ug/L | 0.0728 | 1.00 ug/L | 1 |
| 01027 | Cadmium | GRAB | | EPA 6010/3010 | 08/26/2021 14:24 | <0.181 ug/L | 0.181 | 1.00 ug/L | 1 |
| 01034 | Chromium | GRAB | | EPA 6010/3010 | 08/26/2021 14:24 | <0.339 ug/L | 0.339 | 5.00 ug/L | 1 |
| 01045 | Iron | GRAB | | EPA 6010/3010 | 08/26/2021 14:24 | <1.09 ug/L | 1.09 | 10.0 ug/L | 1 |
| 01051 | Lead | GRAB | | EPA 6010/3010 | 08/26/2021 14:24 | <1.19 ug/L | 1.19 | 10.0 ug/L | 1 |
| 01147 | Selenium | GRAB | | EPA 6010/3010 | 08/26/2021 14:24 | <3.46 ug/L | 3.46 | 15.0 ug/L | 1 |
| 00934 | Sodium | GRAB | | EPA 6010/3010 | 08/26/2021 14:24 | <0.446 mg/L | 0.446 | 2.00 mg/L | 1 |



Central County Transfer Station MW's

Lab ID: 21H0963-06

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: 08/25/21 08:53

WACS Test Site ID#:

Report Period: 2021Q3

Well Name: Metal Trip Blank 82521A

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 | 08/27/2021 11:45 | <1.01 ug/L | 1.01 | 4.00 ug/L | 1 |
| 71900 | Mercury | GRAB | | EPA 200.8 | 08/26/2021 15:55 | <0.0116 ug/L | 0.0116 | 0.100 ug/L | 1 |

Metals by EPA 6000/7000 Series Methods

| | | | | | | | | | |
|-------|----------|------|--|---------------|------------------|--------------|--------|-----------|---|
| 01002 | Arsenic | GRAB | | EPA 6010/3010 | 08/26/2021 13:27 | <2.21 ug/L | 2.21 | 10.0 ug/L | 1 |
| 01007 | Barium | GRAB | | EPA 6010/3010 | 08/26/2021 13:27 | <0.0728 ug/L | 0.0728 | 1.00 ug/L | 1 |
| 01027 | Cadmium | GRAB | | EPA 6010/3010 | 08/26/2021 13:27 | <0.181 ug/L | 0.181 | 1.00 ug/L | 1 |
| 01034 | Chromium | GRAB | | EPA 6010/3010 | 08/26/2021 13:27 | <0.339 ug/L | 0.339 | 5.00 ug/L | 1 |
| 01045 | Iron | GRAB | | EPA 6010/3010 | 08/26/2021 13:27 | <1.09 ug/L | 1.09 | 10.0 ug/L | 1 |
| 01051 | Lead | GRAB | | EPA 6010/3010 | 08/26/2021 13:27 | <1.19 ug/L | 1.19 | 10.0 ug/L | 1 |
| 01147 | Selenium | GRAB | | EPA 6010/3010 | 08/26/2021 13:27 | <3.46 ug/L | 3.46 | 15.0 ug/L | 1 |
| 00934 | Sodium | GRAB | | EPA 6010/3010 | 08/26/2021 13:27 | <0.446 mg/L | 0.446 | 2.00 mg/L | 1 |



Central County Transfer Station MW's

Lab ID: 21H0963-07

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: 08/25/21 11:26

WACS Test Site ID#:

Report Period: 2021Q3

Well Name: Metal Trip Blank 82521B

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 | 08/27/2021 11:42 | <1.01 ug/L | 1.01 | 4.00 ug/L | 1 |
| 71900 | Mercury | GRAB | | EPA 200.8 | 08/26/2021 15:34 | <0.0116 ug/L | 0.0116 | 0.100 ug/L | 1 |

Metals by EPA 6000/7000 Series Methods

| | | | | | | | | | |
|-------|----------|------|--|---------------|------------------|--------------|--------|-----------|---|
| 01002 | Arsenic | GRAB | | EPA 6010/3010 | 08/26/2021 13:30 | <2.21 ug/L | 2.21 | 10.0 ug/L | 1 |
| 01007 | Barium | GRAB | | EPA 6010/3010 | 08/26/2021 13:30 | <0.0728 ug/L | 0.0728 | 1.00 ug/L | 1 |
| 01027 | Cadmium | GRAB | | EPA 6010/3010 | 08/26/2021 13:30 | <0.181 ug/L | 0.181 | 1.00 ug/L | 1 |
| 01034 | Chromium | GRAB | | EPA 6010/3010 | 08/26/2021 13:30 | <0.339 ug/L | 0.339 | 5.00 ug/L | 1 |
| 01045 | Iron | GRAB | | EPA 6010/3010 | 08/26/2021 13:30 | <1.09 ug/L | 1.09 | 10.0 ug/L | 1 |
| 01051 | Lead | GRAB | | EPA 6010/3010 | 08/26/2021 13:30 | <1.19 ug/L | 1.19 | 10.0 ug/L | 1 |
| 01147 | Selenium | GRAB | | EPA 6010/3010 | 08/26/2021 13:30 | <3.46 ug/L | 3.46 | 15.0 ug/L | 1 |
| 00934 | Sodium | GRAB | | EPA 6010/3010 | 08/26/2021 13:30 | <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. |
| J-8 | The analyte was detected at or above the method detection limit in a blank other than the method blank (such as equipment blank or field blank) and the blank value is greater than 10% of the associated sample value. |
| 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)

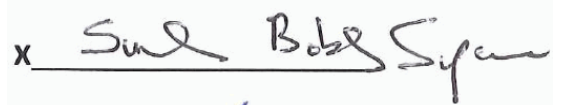
Legionella analyzed under CDC accreditation program

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 #
214-0963

PBC SWA

Logged in by: **AMS**
 Meets Acceptance Criteria

7501 N 199 Road
Mt. Perry, FL 33412
33412

Doc. Ctl: 0401120-003
 WPP 2010

Contact: Managing Hydrogeologist

Phone: 561 640-4000

CHAIN OF CUSTODY RECORD

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

Original-Return w/report

Report to:
Address:
Invoice to:
Address:
Site:
Location:
Fax:

Project Name: Central County transfer Station monitoring wells
and/or Number: Wells
Project:

Contact: Antonio Richards
 (printed) Manny Alvarez

Project Name: Central County transfer Station monitoring wells
and/or Number: Wells
Project:

WORK ORDER #
COC# A 03621

DUE DATE REQUESTED

RUSH RESERVATION #

Rush Surcharges apply

Report to:
Address:
Invoice to:
Address:
Site:
Location:
Fax:

Project Name: Central County transfer Station monitoring wells
and/or Number: Wells
Project:

Contact: Antonio Richards
 (printed) Manny Alvarez

| ORDER # | Lab Control Number | Sample ID | Date Sampled | Time Sampled | Matrix | Bottle & Pres. | Bottle & Pres. Combo Codes | Number of Containers Received & NELAC Letter | Suffixes A-? | Temp °C | PH | COND | CHLOR |
|---------|--------------------|--------------------------|--------------|--------------|--------|----------------|----------------------------|--|--------------|---------|------------|------|--------------------------------------|
| 01 | CT MW-2S | CT MW-2S | 8/25/21 | 8:53 | GW | AWA | AWA | 6 | | | | | |
| 02 | CT MW-2I | CT MW-2I | 8/25/21 | 9:40 | GW | | | 6 | | | | | |
| 03 | CT MW-1S | CT MW-1S | 8/25/21 | 10:30 | GW | | | 6 | | | | | |
| 04 | CT MW-1I | CT MW-1I | 8/25/21 | 11:10 | GW | | | 6 | | | | | |
| 05 | CT SF Blank 02254 | CT SF Blank 02254 | 8/25/21 | 11:26 | DI | | | 6 | | | | | |
| 06 | | | | | | | | | | | | | |
| 07 | | | | | | | | | | | | | |
| 08 | 06 | metal trip blank 82521A | 8/25/21 | 8:53 | DI | AW | AW | 1 | | | cooler 022 | | |
| 09 | 07 | metal trip blank 82521 B | 8/25/21 | 11:26 | DI | | | 1 | | | cooler 025 | | SEE FIELD SHEET FOR FIELD PARAMETERS |
| 10 | | | | | | | | | | | | | |

| Signature | Affiliation | Date/Time |
|-----------|-------------|---------------|
| | | 12:50 |
| | | 8/25/21 |
| | | 8/25/21 12:50 |
| | | 8/25/21 12:05 |
| | | 8/25/21 12:00 |

Analysis Required

See page Letter of: 14, 20, 21

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

Special Comments: Coolers# 022, 025

waive TMI protocol* (emergency) (sign here) >

Deliverables:

| Sample Custody & Field Comments | Bottle Type |
|-------------------------------------|--------------------------|
| A-liter amber Bacteria bag/bottle | A-ascorbic acid P-H3PO4 |
| F-500 ml HI-Plastic Amber Liter | S-H2SO4 |
| L-liter bottle | T-Na2S2O3 |
| S2-2 oz soil jar | U-Unpreserved N-NaOH |
| S4-4 oz soil jar / S8-8 oz soil jar | NH4-NH4CL |
| T-250 ml | Y-Sterile |
| V-40 ml vial | |
| W-wide mouth | Additional Preservatives |
| X-other | Hex-Hex Cr Buffer |
| | EDA-Ethylene Diamine |

21H0963

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 (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 # 03621

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: 8/25/21 |
| WELL NO: CTMW-2S | Well Type: Compliance | Well Location: West of retention Pond | SITE 1810 Lantana Road, LOCATION: Lantana, FL |

PURGING DATA

| Top of Casing Elevation(ft): 22.15 | Static Depth To Water (ft): 14.43 | Water Table Elevation NGVD (ft): 7.72 | Column Height (ft): 22.88 | Total Well Depth (ft): 37.31' | | | | | |
|--|--|--|---|--------------------------------------|------|------------|---------------|-------------------------|------------------|
| 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 | = (37.31 - 14.43 = 22.88) X 0.16 = 3.66 GALLONS 4 | | | | | | | | |
| PURGE METHOD: Redi-flo | | PURGE INITIATED AT: 8:30 | PURGE ENDED AT: 8:50 | TOTAL VOL. PURGED (gal): 20 | | | | | |
| 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 | 14.56 | 6.37 | 26.5 | 408 | 0.46 | 4.25 |
| 1 | 4 | 8 | | 14.56 | 6.52 | 26.5 | 407 | 0.35 | 4.17 |
| 1 | 4 | 12 | | 14.57 | 6.78 | 26.5 | 406 | 0.34 | 2.82 |
| 1 | 4 | 16 | | 14.57 | 6.85 | 26.5 | 405 | 0.37 | 1.75 |
| 1 | 4 | 20 | | | 6.87 | 26.6 | 404 | 0.38 | 1.61 |
| FINAL FIELD VALUES → | | | | ORP | pH | TEMP. (°C) | COND. (µmhos) | DISSOLVED OXYGEN (mg/L) | TURBIDITY (NTUs) |
| | | | | — | 6.87 | 26.6 | 404 | — | 1.61 |
| Color: Light yellow | Odor: NO | Sheen: NO | Comments Cooler # 022 metal trip Blank 82521 A | | | | | | |
| 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: 8:53 | SAMPLING ENDED AT: 8:57 | Weather: Sunny + HOT | | | |
|---|------------------------------------|---|-----------------------------|--|----------------------------------|----------|
| FIELD DECONTAMINATION: No | FIELD-FILTERED: No | DUPLICATE: Y <input checked="" type="radio"/> N <input 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 | | | Metals |
| 2 | HDPE | | H2SO4 | | 2.0 | Ammonia |
| 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: 8/25/21 |
| WELL NO: CTMW-2I | Well Type: Compliance | Well Location: West of retention Pond | SITE 1810 Lantana Road, LOCATION: Lantana, FL |

PURGING DATA

| Top of Casing Elevation(ft): 22.10 | Static Depth To Water (ft): 14.36 | Water Table Elevation NGVD (ft): 7.74 | Column Height (ft): 58.29 | 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 - 14.36 = 58.29) X 0.16 = 9.32 GALLONS 10 | | | | | | | | |
| PURGE METHOD: Redi-flo | | PURGE INITIATED AT: 9:10 | PURGE ENDED AT: 9:35 | 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 | 1.2 | 14.58 | 6.70 | 26.3 | 414 | 0.31 | 0.71 |
| 1 | 10 | 20 | | 14.58 | 6.86 | 26.2 | 415 | 0.34 | 0.42 |
| 1 | 10 | 30 | | 14.58 | 6.89 | 26.2 | 415 | 0.29 | 0.28 |
| FINAL FIELD VALUES → | | | | ORP | pH | TEMP. (°C) | COND. (µmhos) | DISSOLVED OXYGEN (mg/L) | TURBIDITY (NTUs) |
| | | | | — | 6.89 | 26.2 | 415 | — | 0.28 |
| Color: Light yellow | Odor: NO | Sheen: NO | Comments cooler # 022 Added 1 time the preservative to the sulfide bottle Metal trip Blank 82521 A | | | | | | |
| 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: 9:40 | SAMPLING ENDED AT: 9:45 | Weather: Sunny + Hot | | | |
|---|------------------------------------|---|---|----------------------------------|---------------------------------|----------|
| 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 | | | |
| 2 | HDPE | | H2SO4 | | 2.0 | Ammonia |
| 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) <i>[Signature]</i> | | | |

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: 8/25/21 |
| 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): 14.65 | Water Table Elevation NGVD (ft): 7.62 | Column Height (ft): 21.95 | Total Well Depth (ft): 36.60' | | | | | |
|--|--|--|--|--------------------------------------|------|------------|---------------|-------------------------|------------------|
| WELLDIAMETER (in): 2" PVC | | 1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 374 | | | | | | | |
| WELL CAPACITY (gal/ft): 0.16 | | = (36.60 - 14.65 = 21.95) X 0.16 = 3.51 GALLONS 4 | | | | | | | |
| 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 | 14.80 | 6.04 | 27.6 | 260 | 1.21 | 1.06 |
| 1 | 4 | 8 | | 14.80 | 6.59 | 27.7 | 273 | 0.63 | 0.64 |
| 1 | 4 | 12 | | 14.80 | 6.68 | 27.6 | 275 | 0.53 | 0.51 |
| 1 | 4 | 16 | | 14.80 | 6.71 | 27.6 | 276 | 0.64 | 0.71 |
| FINAL FIELD VALUES → | | | | ORP | pH | TEMP. (°C) | COND. (µmhos) | DISSOLVED OXYGEN (mg/L) | TURBIDITY (NTUs) |
| | | | | — | 6.71 | 27.6 | 276 | — | 0.71 |
| Color: Light yellow | Odor: NO | Sheen: NO | Comments Cooler #022 metal trip Blank 82521 A | | | | | | |
| 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: 16:30 | SAMPLING ENDED AT: 10:35 | Weather: Overcast + Hot | | | |
|---|-------------------------------------|---|--|----------------------------------|---------------------------------|----------|
| 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 | | | Metals |
| 2 | HDPE | | H2SO4 | | < 2.0 | Ammonia |
| 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: PBCC02 | DATE: 8/25/21 |
| WELL NO: CTMW-1I | Well Type: Compliance | Well Location: North of retention Pond | SITE 1810 Lantana Road, LOCATION: Lantana, FL |

PURGING DATA

| Top of Casing Elevation (ft): 22.31 | Static Depth To Water (ft): 14.68 | Water Table Elevation NGVD (ft): 7.63 | Column Height (ft): 54.62 | Total Well Depth (ft): 69.30' | | | | | |
|--|--|--|---|--------------------------------------|------|------------|---------------|-------------------------|------------------|
| WELLDIAMETER (in): 2" PVC | | 1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 3 x 9 | | | | | | | |
| WELL CAPACITY (gal/ft): 0.16 | | = (69.30 - 14.68 = 54.62) X 0.16 = 8.73 GALLONS 9 | | | | | | | |
| PURGE METHOD: Redi-flo | | PURGE INITIATED AT: 10:40 | PURGE ENDED AT: 11:05 | 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 | 1.08 | 15.50 | 6.49 | 27.9 | 499 | 0.31 | 3.47 |
| 1 | 9 | 18 | | 15.50 | 6.57 | 28.0 | 500 | 0.26 | 1.53 |
| 1 | 9 | 27 | | 15.50 | 6.60 | 28.0 | 500 | 0.20 | 1.10 |
| FINAL FIELD VALUES → | | | | ORP | pH | TEMP. (°C) | COND. (µmhos) | DISSOLVED OXYGEN (mg/L) | TURBIDITY (NTUs) |
| | | | | — | 6.60 | 28.0 | 500 | — | 1.10 |
| Color: Light yellow | Odor: NO | Sheen: NO | Comments Cooler # 022 Metal Trip Blank 82521 A | | | | | | |
| 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: 11:10 | SAMPLING ENDED AT: 11:15 | Weather: Overcast + Hot | | | |
|---|-------------------------------------|---------------------------------|---|----------------------------------|---------------------------------|---------|
| 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 | | | Metals |
| 2 | HDPE | | H2SO4 | | < 2.0 | Ammonia |
| 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 RICHARSEN | | | |

SOLID WASTE AUTHORITY DIVISION OF ENVIRONMENTAL PROGRAMS FIELD BLANK DATA SHEET

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

Date: 8/25/21

Sample I.D. CTSF BLANK 082521

Time: 11:26

Field blanks are collected in the field during the middle to the end of a sampling event by filling the sampling bottles directly from DI water obtained from the laboratory.

Notes and Comments
Sunny + Hot

PH < 2.0
in preservative

SPECTRUM
DI water
7/21/21

| Field Parameters | | Units | Sample Appearance |
|------------------|----------|-----------|------------------------------|
| Temperature | 27.9 | C | Clear No Odor No Sheen |
| Cond: X | ATC 1.15 | uMHOS/cm | |
| PH | 5.64 | Std Units | |
| DO | --- | Mg/L | |
| Turb | 0.34 | NTU | |

Cooler # 025
metal trip
Blank
82521 B

| Quantity | Size | Type | Preservative | Sample Container Inventory | Analysis |
|----------|------|------|--------------|----------------------------|----------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Sampled By: Manny Alvarez
Antonio Richards

Method of Shipment: SPECTRUM