



NELAP Certificate No. E86006



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**RECEIVED**  
**AUG 4, 2021**  
**REV-2**

**Ground Water Monitoring Report**

**Rev-2**

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

Date Received: 04/28/2021 16:30  
Date Reported: 08/03/2021 09:21  
Report Period: 2021Q2

**Project Name: Central County Transfer Station Surface Water**  
**Lab Work Order (COC): 21D0957**

**Laboratory Sample #**

- 21D0957-01
- 21D0957-02
- 21D0957-03
- 21D0957-04

**Client Sample #**

- CTSSE Blank 042821
- CTSW-1
- M T Blank Cooler 025
- VOC T Blank Cooler 025



Central County Transfer Station Surface Water

**Lab ID:** 21D0957-01  
**Sheen:** No  
**Color:** Clear  
**Odor:** No  
**Matrix:** DI

**Diameter (in):**  
**Depth to Water (ft):**  
**Top of Casing (ft):**  
**Total Depth (ft):**

**Parameter Monitoring Report**

**WACS Facility ID #:**  
**WACS Test Site ID#:**  
**Well Name:** CTSSE Blank 042821  
**GW Classification:**  
**GW Elevation (NGVD):**

**Sampling Date/Time:** 04/28/21 09:00  
**Report Period:** 2021Q2  
**Well Purge (Y/N):**  
**Well Type:** Background Intermediate Compliance Other

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

00402	Specific Conductance (field)	GRAB		FDEP SOP	04/28/2021 09:00	1.29 uS/cm @ 25°C	uS/cm @ 25°C		1
	Dissolved Oxygen	GRAB		FDEP SOP	04/28/2021 09:00	8.53 mg/L	mg/L		1
00406	pH (Field) at 25°C	GRAB		FDEP SOP	04/28/2021 09:00	6.02 pH Units	pH Units		1
	Temperature (field)	GRAB		FDEP SOP	04/28/2021 09:00	22.0 °C	°C		1
	Turbidity (Field)	GRAB		FDEP SOP	04/28/2021 09:00	0.21 NTU	NTU		1

**Classical Chemistry Parameters**

	Oil & Grease (HEM)	GRAB		EPA 1664A	04/30/2021 18:00	<1.30 mg/L	1.30	3.90 mg/L	1
	TRPH	GRAB		EPA 1664A	05/03/2021 13:30	<1.39 mg/L	1.39	4.18 mg/L	1

**Wet Chemistry**

	Total Alkalinity	GRAB		EPA 310.2	04/30/2021 11:59	<2.49 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB		EPA 350.1	05/06/2021 14:06	<0.00620 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB		EPA 300.0	04/29/2021 18:14	<0.140 mg/L	0.140	0.419 mg/L	1
	Chemical Oxygen Demand	GRAB		EPA 410.4	05/01/2021 17:30	<2.54 mg/L	2.54	10.0 mg/L	1
	MBAS as LAS, mol wt. 340	GRAB		SM5540C	04/29/2021 16:40	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB		EPA 300.0	04/29/2021 18:14	<0.0278 mg/L	0.0278	0.0835 mg/L	1
00945	Sulfate	GRAB		EPA 300.0	04/29/2021 18:14	<0.133 mg/L	0.133	0.399 mg/L	1
00134	Total Dissolved Solids	GRAB		SM 2540C	05/03/2021 15:13	<10.0 mg/L	10.0	30.0 mg/L	1
81393	Total Kjeldahl Nitrogen	GRAB		EPA 351.2	05/05/2021 11:52	<0.184 mg/L	0.184	0.552 mg/L	1

**Total Recoverable Metals by EPA 200 Series Methods**

01027	Cadmium	GRAB		EPA 200.8	05/04/2021 12:07	<0.0299 ug/L	0.0299	0.200 ug/L	1
01042	Copper	GRAB		EPA 200.8	05/04/2021 12:07	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB		EPA 200.8	05/04/2021 15:25	<0.0116 ug/L	0.0116	0.100 ug/L	1

**Metals by EPA 6000/7000 Series Methods**

01002	Arsenic	GRAB		EPA 6010/3010	04/29/2021 12:08	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB		EPA 6010/3010	04/29/2021 12:08	<0.0728 ug/L	0.0728	1.00 ug/L	1
01034	Chromium	GRAB		EPA 6010/3010	04/29/2021 12:08	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB		EPA 6010/3010	04/29/2021 12:08	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB		EPA 6010/3010	04/29/2021 12:08	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB		EPA 6010/3010	04/29/2021 12:08	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB		EPA 6010/3010	04/29/2021 12:08	<0.446 mg/L	0.446	2.00 mg/L	1

**VOC and Chlorinated Hydrocarbons by EPA 8260 (8021 Comp. List)**

34506	1,1,1-Trichloroethane	GRAB		EPA 8260	04/29/2021 16:03	<0.105 ug/L	0.105	0.314 ug/L	1
34516	1,1,2,2-Tetrachloroethane	GRAB		EPA 8260	04/29/2021 16:03	<0.128 ug/L	0.128	0.385 ug/L	1

Central County Transfer Station Surface Water

Client Sample # CTSSE Blank 042821 continued

Lab ID:

21D0957-01

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
<b>VOC and Chlorinated Hydrocarbons by EPA 8260 (8021 Comp. List)</b>									
34511	1,1,2-Trichloroethane	GRAB		EPA 8260	04/29/2021 16:03	<0.130 ug/L	0.130	0.340 ug/L	1
34496	1,1-Dichloroethane	GRAB		EPA 8260	04/29/2021 16:03	<0.129 ug/L	0.129	0.388 ug/L	1
34501	1,1-Dichloroethene	GRAB		EPA 8260	04/29/2021 16:03	<0.106 ug/L	0.106	0.319 ug/L	1
34536	1,2-Dichlorobenzene	GRAB		EPA 8260	04/29/2021 16:03	<0.108 ug/L	0.108	0.325 ug/L	1
32103	1,2-Dichloroethane	GRAB		EPA 8260	04/29/2021 16:03	<0.103 ug/L	0.103	0.310 ug/L	1
34541	1,2-Dichloropropane	GRAB		EPA 8260	04/29/2021 16:03	<0.132 ug/L	0.132	0.395 ug/L	1
34566	1,3-Dichlorobenzene	GRAB		EPA 8260	04/29/2021 16:03	<0.0969 ug/L	0.0969	0.291 ug/L	1
34571	1,4-Dichlorobenzene	GRAB		EPA 8260	04/29/2021 16:03	<0.0943 ug/L	0.0943	0.283 ug/L	1
34546	2-Chloroethyl vinyl ether	GRAB		EPA 8260	04/29/2021 16:03	<1.86 ug/L	1.86	5.57 ug/L	1
34030	Benzene	GRAB		EPA 8260	04/29/2021 16:03	<0.0716 ug/L	0.0716	0.250 ug/L	1
32101	Bromodichloromethane	GRAB		EPA 8260	04/29/2021 16:03	<0.236 ug/L	0.236	0.707 ug/L	1
32104	Bromoform	GRAB		EPA 8260	04/29/2021 16:03	<0.291 ug/L	0.291	0.872 ug/L	1
34413	Bromomethane	GRAB		EPA 8260	04/29/2021 16:03	<0.306 ug/L	0.306	0.918 ug/L	1
32102	Carbon Tetrachloride	GRAB		EPA 8260	04/29/2021 16:03	<0.328 ug/L	0.328	0.984 ug/L	1
34301	Chlorobenzene	GRAB		EPA 8260	04/29/2021 16:03	<0.0807 ug/L	0.0807	0.250 ug/L	1
34311	Chloroethane	GRAB		EPA 8260	04/29/2021 16:03	<0.241 ug/L	0.241	0.723 ug/L	1
32106	Chloroform	GRAB		EPA 8260	04/29/2021 16:03	<0.176 ug/L	0.176	0.528 ug/L	1
30071	Chloromethane	GRAB		EPA 8260	04/29/2021 16:03	<0.463 ug/L	0.463	1.39 ug/L	1
45617	cis-1,2-Dichloroethene	GRAB		EPA 8260	04/29/2021 16:03	<0.0997 ug/L	0.0997	0.299 ug/L	1
34702	cis-1,3-Dichloropropene	GRAB		EPA 8260	04/29/2021 16:03	<0.239 ug/L	0.239	0.718 ug/L	1
04603	Dibromochloromethane	GRAB		EPA 8260	04/29/2021 16:03	<0.179 ug/L	0.179	0.537 ug/L	1
34334	Dichlorodifluoromethane	GRAB		EPA 8260	04/29/2021 16:03	<0.150 ug/L	0.150	0.451 ug/L	1
	Ethylbenzene	GRAB		EPA 8260	04/29/2021 16:03	<0.0737 ug/L	0.0737	0.250 ug/L	1
04407	m,p-Xylene	GRAB		EPA 8260	04/29/2021 16:03	<0.122 ug/L	0.122	0.500 ug/L	1
34423	Methylene Chloride	GRAB		EPA 8260	04/29/2021 16:03	<0.212 ug/L	0.212	1.00 ug/L	1
04421	Methyl-tert-butyl ether	GRAB		EPA 8260	04/29/2021 16:03	<0.280 ug/L	0.280	0.841 ug/L	1
04408	o-Xylene	GRAB		EPA 8260	04/29/2021 16:03	<0.152 ug/L	0.152	0.456 ug/L	1
99351	Tetrachloroethene	GRAB		EPA 8260	04/29/2021 16:03	<0.101 ug/L	0.101	0.304 ug/L	1
34010	Toluene	GRAB		EPA 8260	04/29/2021 16:03	<0.179 ug/L	0.179	0.537 ug/L	1
99359	trans-1,2-Dichloroethene	GRAB		EPA 8260	04/29/2021 16:03	<0.125 ug/L	0.125	0.374 ug/L	1
34697	trans-1,3-Dichloropropene	GRAB		EPA 8260	04/29/2021 16:03	<0.540 ug/L	0.540	1.62 ug/L	1
99352	Trichloroethene	GRAB		EPA 8260	04/29/2021 16:03	<0.113 ug/L	0.113	0.340 ug/L	1
04590	Trichlorofluoromethane	GRAB		EPA 8260	04/29/2021 16:03	<0.162 ug/L	0.162	0.485 ug/L	1
04593	Vinyl chloride	GRAB		EPA 8260	04/29/2021 16:03	<0.221 ug/L	0.221	0.664 ug/L	1
99371	Xylenes, total	GRAB		EPA 8260	04/29/2021 16:03	<0.122 ug/L	0.122	0.500 ug/L	1



Central County Transfer Station Surface Water

**Lab ID:** 21D0957-02  
**Sheen:** No  
**Color:** Light Yellow  
**Odor:** No  
**Matrix:** Surface Water

**Diameter (in):**  
**Depth to Water (ft):**  
**Top of Casing (ft):**  
**Total Depth (ft):**

**Parameter Monitoring Report**

**WACS Facility ID #:** PBCC01      **Sampling Date/Time:** 04/28/21 09:35  
**WACS Test Site ID#:** PBCC09      **Report Period:** 2021Q2  
**Well Name:** CTSW-1      **Well Purge (Y/N):**  
**GW Classification:** SW-IIIF      **Well Type:** Background      Compliance  
**GW Elevation (NGVD):**      Intermediate      Other

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

00402	Specific Conductance (field)	GRAB		FDEP SOP	04/28/2021 09:35	317 uS/cm @ 25°C	uS/cm @ 25°C		1
	Dissolved Oxygen	GRAB		FDEP SOP	04/28/2021 09:35	7.16 mg/L	mg/L		1
00406	pH (Field) at 25°C	GRAB		FDEP SOP	04/28/2021 09:35	6.86 pH Units	pH Units		1
	Temperature (field)	GRAB		FDEP SOP	04/28/2021 09:35	26.3 °C	°C		1
	Turbidity (Field)	GRAB		FDEP SOP	04/28/2021 09:35	4.09 NTU	NTU		1

**Classical Chemistry Parameters**

	Oil & Grease (HEM)	GRAB		EPA 1664A	04/30/2021 18:00	<1.30 mg/L	1.30	3.90 mg/L	1
	TRPH	GRAB		EPA 1664A	05/03/2021 13:30	<1.39 mg/L	1.39	4.18 mg/L	1

**Wet Chemistry**

	Total Alkalinity	GRAB		EPA 310.2	04/30/2021 11:59	132 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB		EPA 350.1	05/06/2021 14:06	<0.00620 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB		EPA 300.0	04/29/2021 18:30	20.5 mg/L	0.140	0.419 mg/L	1
	Chemical Oxygen Demand	GRAB		EPA 410.4	05/01/2021 17:30	38.9 mg/L	2.54	10.0 mg/L	1
	MBAS as LAS, mol wt. 340	GRAB		SM5540C	04/29/2021 16:40	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB		EPA 300.0	04/29/2021 18:30	<0.0278 mg/L	0.0278	0.0835 mg/L	1
00945	Sulfate	GRAB		EPA 300.0	04/29/2021 18:30	10.8 mg/L	0.133	0.399 mg/L	1
00134	Total Dissolved Solids	GRAB		SM 2540C	05/03/2021 15:13	195 mg/L	10.0	30.0 mg/L	1
81393	Total Kjeldahl Nitrogen	GRAB		EPA 351.2	05/05/2021 11:52	0.666 mg/L J3	0.184	0.552 mg/L	1

**Total Recoverable Metals by EPA 200 Series Methods**

01027	Cadmium	GRAB		EPA 200.8	05/04/2021 12:18	<0.0299 ug/L	0.0299	0.200 ug/L	1
01042	Copper	GRAB		EPA 200.8	05/04/2021 12:18	2.97 ug/L I	1.01	4.00 ug/L	1
71900	Mercury	GRAB		EPA 200.8	05/04/2021 15:27	<0.0116 ug/L	0.0116	0.100 ug/L	1

**Metals by EPA 6000/7000 Series Methods**

01002	Arsenic	GRAB		EPA 6010/3010	04/29/2021 12:11	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB		EPA 6010/3010	04/29/2021 12:11	10.0 ug/L	0.0728	1.00 ug/L	1
01034	Chromium	GRAB		EPA 6010/3010	04/29/2021 12:11	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB		EPA 6010/3010	04/29/2021 12:11	16.4 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB		EPA 6010/3010	04/29/2021 12:11	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB		EPA 6010/3010	04/29/2021 12:11	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB		EPA 6010/3010	04/29/2021 12:11	11.0 mg/L	0.446	2.00 mg/L	1

**VOC and Chlorinated Hydrocarbons by EPA 8260 (8021 Comp. List)**

34506	1,1,1-Trichloroethane	GRAB		EPA 8260	04/29/2021 16:29	<0.105 ug/L	0.105	0.314 ug/L	1
34516	1,1,2,2-Tetrachloroethane	GRAB		EPA 8260	04/29/2021 16:29	<0.128 ug/L	0.128	0.385 ug/L	1

Central County Transfer Station Surface Water

Client Sample # CTSW-1 continued

Lab ID:

21D0957-02

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
<b>VOC and Chlorinated Hydrocarbons by EPA 8260 (8021 Comp. List)</b>									
34511	1,1,2-Trichloroethane	GRAB		EPA 8260	04/29/2021 16:29	<0.130 ug/L	0.130	0.340 ug/L	1
34496	1,1-Dichloroethane	GRAB		EPA 8260	04/29/2021 16:29	<0.129 ug/L	0.129	0.388 ug/L	1
34501	1,1-Dichloroethene	GRAB		EPA 8260	04/29/2021 16:29	<0.106 ug/L	0.106	0.319 ug/L	1
34536	1,2-Dichlorobenzene	GRAB		EPA 8260	04/29/2021 16:29	<0.108 ug/L	0.108	0.325 ug/L	1
32103	1,2-Dichloroethane	GRAB		EPA 8260	04/29/2021 16:29	<0.103 ug/L	0.103	0.310 ug/L	1
34541	1,2-Dichloropropane	GRAB		EPA 8260	04/29/2021 16:29	<0.132 ug/L	0.132	0.395 ug/L	1
34566	1,3-Dichlorobenzene	GRAB		EPA 8260	04/29/2021 16:29	<0.0969 ug/L	0.0969	0.291 ug/L	1
34571	1,4-Dichlorobenzene	GRAB		EPA 8260	04/29/2021 16:29	<0.0943 ug/L	0.0943	0.283 ug/L	1
34546	2-Chloroethyl vinyl ether	GRAB		EPA 8260	04/29/2021 16:29	<1.86 ug/L	1.86	5.57 ug/L	1
34030	Benzene	GRAB		EPA 8260	04/29/2021 16:29	<0.0716 ug/L	0.0716	0.250 ug/L	1
32101	Bromodichloromethane	GRAB		EPA 8260	04/29/2021 16:29	<0.236 ug/L	0.236	0.707 ug/L	1
32104	Bromoform	GRAB		EPA 8260	04/29/2021 16:29	<0.291 ug/L	0.291	0.872 ug/L	1
34413	Bromomethane	GRAB		EPA 8260	04/29/2021 16:29	<0.306 ug/L	0.306	0.918 ug/L	1
32102	Carbon Tetrachloride	GRAB		EPA 8260	04/29/2021 16:29	<0.328 ug/L	0.328	0.984 ug/L	1
34301	Chlorobenzene	GRAB		EPA 8260	04/29/2021 16:29	<0.0807 ug/L	0.0807	0.250 ug/L	1
34311	Chloroethane	GRAB		EPA 8260	04/29/2021 16:29	<0.241 ug/L	0.241	0.723 ug/L	1
32106	Chloroform	GRAB		EPA 8260	04/29/2021 16:29	<0.176 ug/L	0.176	0.528 ug/L	1
30071	Chloromethane	GRAB		EPA 8260	04/29/2021 16:29	<0.463 ug/L	0.463	1.39 ug/L	1
45617	cis-1,2-Dichloroethene	GRAB		EPA 8260	04/29/2021 16:29	<0.0997 ug/L	0.0997	0.299 ug/L	1
34702	cis-1,3-Dichloropropene	GRAB		EPA 8260	04/29/2021 16:29	<0.239 ug/L	0.239	0.718 ug/L	1
04603	Dibromochloromethane	GRAB		EPA 8260	04/29/2021 16:29	<0.179 ug/L	0.179	0.537 ug/L	1
34334	Dichlorodifluoromethane	GRAB		EPA 8260	04/29/2021 16:29	<0.150 ug/L	0.150	0.451 ug/L	1
	Ethylbenzene	GRAB		EPA 8260	04/29/2021 16:29	<0.0737 ug/L	0.0737	0.250 ug/L	1
04407	m,p-Xylene	GRAB		EPA 8260	04/29/2021 16:29	<0.122 ug/L	0.122	0.500 ug/L	1
34423	Methylene Chloride	GRAB		EPA 8260	04/29/2021 16:29	<0.212 ug/L	0.212	1.00 ug/L	1
04421	Methyl-tert-butyl ether	GRAB		EPA 8260	04/29/2021 16:29	<0.280 ug/L	0.280	0.841 ug/L	1
04408	o-Xylene	GRAB		EPA 8260	04/29/2021 16:29	<0.152 ug/L	0.152	0.456 ug/L	1
99351	Tetrachloroethene	GRAB		EPA 8260	04/29/2021 16:29	<0.101 ug/L	0.101	0.304 ug/L	1
34010	Toluene	GRAB		EPA 8260	04/29/2021 16:29	<0.179 ug/L	0.179	0.537 ug/L	1
99359	trans-1,2-Dichloroethene	GRAB		EPA 8260	04/29/2021 16:29	<0.125 ug/L	0.125	0.374 ug/L	1
34697	trans-1,3-Dichloropropene	GRAB		EPA 8260	04/29/2021 16:29	<0.540 ug/L	0.540	1.62 ug/L	1
99352	Trichloroethene	GRAB		EPA 8260	04/29/2021 16:29	<0.113 ug/L	0.113	0.340 ug/L	1
04590	Trichlorofluoromethane	GRAB		EPA 8260	04/29/2021 16:29	<0.162 ug/L	0.162	0.485 ug/L	1
04593	Vinyl chloride	GRAB		EPA 8260	04/29/2021 16:29	<0.221 ug/L	0.221	0.664 ug/L	1
99371	Xylenes, total	GRAB		EPA 8260	04/29/2021 16:29	<0.122 ug/L	0.122	0.500 ug/L	1



Central County Transfer Station Surface Water

Lab ID: 21D0957-03

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: 04/28/21 09:00

WACS Test Site ID#:

Report Period: 2021Q2

Well Name: M T Blank Cooler 025

Well Purge (Y/N):

GW Classification:

Well Type:

Background  
Intermediate

Compliance  
Other

GW Elevation (NGVD):

( 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**

01027	Cadmium	GRAB		EPA 200.8	05/04/2021 12:33	<0.0299 ug/L	0.0299	0.200 ug/L	1
01042	Copper	GRAB		EPA 200.8	05/04/2021 12:33	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB		EPA 200.8	05/04/2021 16:19	<0.0116 ug/L	0.0116	0.100 ug/L	1

**Metals by EPA 6000/7000 Series Methods**

01002	Arsenic	GRAB		EPA 6010/3010	04/29/2021 12:14	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB		EPA 6010/3010	04/29/2021 12:14	<0.0728 ug/L	0.0728	1.00 ug/L	1
01034	Chromium	GRAB		EPA 6010/3010	04/29/2021 12:14	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB		EPA 6010/3010	04/29/2021 12:14	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB		EPA 6010/3010	04/29/2021 12:14	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB		EPA 6010/3010	04/29/2021 12:14	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB		EPA 6010/3010	04/29/2021 12:14	<0.446 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station Surface Water

Lab ID: 21D0957-04

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: 04/28/21 09:00

WACS Test Site ID#:

Report Period: 2021Q2

Well Name: VOC T Blank Cooler 025

Well Purge (Y/N):

GW Classification:

Well Type:

Background  
Intermediate

Compliance  
Other

GW Elevation (NGVD):

( 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	

**VOC and Chlorinated Hydrocarbons by EPA 8260 (8021 Comp. List)**

34506	1,1,1-Trichloroethane	GRAB		EPA 8260	04/29/2021 15:37	<0.105 ug/L	0.105	0.314 ug/L	1
34516	1,1,2,2-Tetrachloroethane	GRAB		EPA 8260	04/29/2021 15:37	<0.128 ug/L	0.128	0.385 ug/L	1
34511	1,1,2-Trichloroethane	GRAB		EPA 8260	04/29/2021 15:37	<0.130 ug/L	0.130	0.340 ug/L	1
34496	1,1-Dichloroethane	GRAB		EPA 8260	04/29/2021 15:37	<0.129 ug/L	0.129	0.388 ug/L	1
34501	1,1-Dichloroethene	GRAB		EPA 8260	04/29/2021 15:37	<0.106 ug/L	0.106	0.319 ug/L	1
34536	1,2-Dichlorobenzene	GRAB		EPA 8260	04/29/2021 15:37	<0.108 ug/L	0.108	0.325 ug/L	1
32103	1,2-Dichloroethane	GRAB		EPA 8260	04/29/2021 15:37	<0.103 ug/L	0.103	0.310 ug/L	1
34541	1,2-Dichloropropane	GRAB		EPA 8260	04/29/2021 15:37	<0.132 ug/L	0.132	0.395 ug/L	1
34566	1,3-Dichlorobenzene	GRAB		EPA 8260	04/29/2021 15:37	<0.0969 ug/L	0.0969	0.291 ug/L	1
34571	1,4-Dichlorobenzene	GRAB		EPA 8260	04/29/2021 15:37	<0.0943 ug/L	0.0943	0.283 ug/L	1
34546	2-Chloroethyl vinyl ether	GRAB		EPA 8260	04/29/2021 15:37	<1.86 ug/L	1.86	5.57 ug/L	1
34030	Benzene	GRAB		EPA 8260	04/29/2021 15:37	<0.0716 ug/L	0.0716	0.250 ug/L	1
32101	Bromodichloromethane	GRAB		EPA 8260	04/29/2021 15:37	<0.236 ug/L	0.236	0.707 ug/L	1
32104	Bromoform	GRAB		EPA 8260	04/29/2021 15:37	<0.291 ug/L	0.291	0.872 ug/L	1
34413	Bromomethane	GRAB		EPA 8260	04/29/2021 15:37	<0.306 ug/L	0.306	0.918 ug/L	1
32102	Carbon Tetrachloride	GRAB		EPA 8260	04/29/2021 15:37	<0.328 ug/L	0.328	0.984 ug/L	1
34301	Chlorobenzene	GRAB		EPA 8260	04/29/2021 15:37	<0.0807 ug/L	0.0807	0.250 ug/L	1
34311	Chloroethane	GRAB		EPA 8260	04/29/2021 15:37	<0.241 ug/L	0.241	0.723 ug/L	1
32106	Chloroform	GRAB		EPA 8260	04/29/2021 15:37	<0.176 ug/L	0.176	0.528 ug/L	1
30071	Chloromethane	GRAB		EPA 8260	04/29/2021 15:37	<0.463 ug/L	0.463	1.39 ug/L	1
45617	cis-1,2-Dichloroethene	GRAB		EPA 8260	04/29/2021 15:37	<0.0997 ug/L	0.0997	0.299 ug/L	1
34702	cis-1,3-Dichloropropene	GRAB		EPA 8260	04/29/2021 15:37	<0.239 ug/L	0.239	0.718 ug/L	1
04603	Dibromochloromethane	GRAB		EPA 8260	04/29/2021 15:37	<0.179 ug/L	0.179	0.537 ug/L	1
34334	Dichlorodifluoromethane	GRAB		EPA 8260	04/29/2021 15:37	<0.150 ug/L	0.150	0.451 ug/L	1
	Ethylbenzene	GRAB		EPA 8260	04/29/2021 15:37	<0.0737 ug/L	0.0737	0.250 ug/L	1
04407	m,p-Xylene	GRAB		EPA 8260	04/29/2021 15:37	<0.122 ug/L	0.122	0.500 ug/L	1
34423	Methylene Chloride	GRAB		EPA 8260	04/29/2021 15:37	<0.212 ug/L	0.212	1.00 ug/L	1
04421	Methyl-tert-butyl ether	GRAB		EPA 8260	04/29/2021 15:37	<0.280 ug/L	0.280	0.841 ug/L	1
04408	o-Xylene	GRAB		EPA 8260	04/29/2021 15:37	<0.152 ug/L	0.152	0.456 ug/L	1
99351	Tetrachloroethene	GRAB		EPA 8260	04/29/2021 15:37	<0.101 ug/L	0.101	0.304 ug/L	1
34010	Toluene	GRAB		EPA 8260	04/29/2021 15:37	<0.179 ug/L	0.179	0.537 ug/L	1
99359	trans-1,2-Dichloroethene	GRAB		EPA 8260	04/29/2021 15:37	<0.125 ug/L	0.125	0.374 ug/L	1
34697	trans-1,3-Dichloropropene	GRAB		EPA 8260	04/29/2021 15:37	<0.540 ug/L	0.540	1.62 ug/L	1



Rev-2



Central County Transfer Station Surface Water

Client Sample # VOC T Blank Cooler 025 continue

Lab ID: 21D0957-04

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	
<b>VOC and Chlorinated Hydrocarbons by EPA 8260 (8021 Comp. List)</b>									
99352	Trichloroethene	GRAB		EPA 8260	04/29/2021 15:37	<0.113 ug/L	0.113	0.340 ug/L	1
04590	Trichlorofluoromethane	GRAB		EPA 8260	04/29/2021 15:37	<0.162 ug/L	0.162	0.485 ug/L	1
04593	Vinyl chloride	GRAB		EPA 8260	04/29/2021 15:37	<0.221 ug/L	0.221	0.664 ug/L	1
99371	Xylenes, total	GRAB		EPA 8260	04/29/2021 15:37	<0.122 ug/L	0.122	0.500 ug/L	1

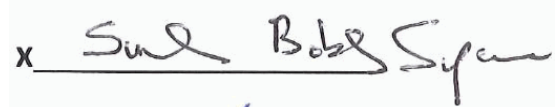


### Notes and Definitions

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  $\geq 1000$  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 #**  
21D0957

Logged by: **RBG, SWA**

Meets at: **7501 N. Jog Road, WPB, FL 33412**

**CHAIN OF CUSTODY RECORD**

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

**COC# A 03556**

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

**DUE DATE Requested**

**RUSH RESERVATION #**

*Rush Surcharges apply*

**Yellow-Lab File Copy**

**Pink - Sampler Copy**

**Report to** \_\_\_\_\_ **Address:** \_\_\_\_\_

**Invoice to** \_\_\_\_\_ **Address:** \_\_\_\_\_

**Site** \_\_\_\_\_ **Location:** \_\_\_\_\_

**Project** \_\_\_\_\_ **Phone:** \_\_\_\_\_ **Email:** \_\_\_\_\_

**Contact:** \_\_\_\_\_

**Project Name:** *ANTONIO RICHARDS* **Affiliation:** \_\_\_\_\_

**Sampler Name (printed):** *Manny Alvarez*

**ORDER #** \_\_\_\_\_ **Sample ID** \_\_\_\_\_

**Lab Control Number** \_\_\_\_\_

**Shaded Areas For Laboratory Use Only**

ORDER #	Sample ID	Date Sampled	Time Sampled	Matrix	Bottle & Pres.	Number of Containers Received & NELAC Letter Suffixes A-?	Field Tests							
							T E M P °C	P H	C O N D	C H L O R				
01	CT55Eblank 042821	4/28/21	9:00	DI	WVAP	7								
02	CT5U-1	4/28/21	9:35	SW	✓	7								
03	MT Blanks cooler 025				MT	1								
04	VAC T Blanks cooler 025				VU	1								

**Special Comments:** *Cooler # 025 Blanks prepared 4/28/21*

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

**Deliverables:** \_\_\_\_\_

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

Received on Ice:	Y	N
Received as received	Y	N
body seals?	Y	N
ID-9	Y	N
GUN-1	Y	N
FIELD TIME		
Sampling _____ hrs		
Pick Up _____ hrs		
Charges _____		

Sample Custody & Field Comments	Bottle Type	Preservatives	Additional Preservatives
A-liter amber B-Bacteria bag/bottle	A-ascorbic acid	P-H3PO4	Hex-Hex Cr Buffer
F-500 ml O-125 ml	C-HCL	S-H2SO4	EDA-Ethylene Diamine
W-Plastic Amber Liter	Cu-CuSO4	T-Na2S2O3	
L-liter bottle	D-EDI water	U-Unpreserved	
S2-2 oz soil jar	H-HNO3	N-NaOH	
S4-4 oz soil jar / S8-8 oz soil jar	M-MeOH	NH4-NH4CL	
T-250 ml	MeOH-Methanol	Y-Sterile	
V-40 ml vial	Z-zinc acetate		
W-wide mouth			
X-other			
TED-Tedlar Air Bag			

**Signature** \_\_\_\_\_ **Affiliation** \_\_\_\_\_ **Date/Time** \_\_\_\_\_

1 Relinquished by: *Manny Alvarez* 4/28/21 13:50

1 Received by: \_\_\_\_\_

2 Relinquished by: \_\_\_\_\_ 4/28/21 13:50

2 Received by: \_\_\_\_\_

3 Relinquished by: \_\_\_\_\_ 4/28/21 16:30

3 Received by: \_\_\_\_\_

**www.flenviro.com** **COC Page** 1 **of** 2

21D0957

2<sup>nd</sup> Quarter 2021 Letter to Bobby Supan (FI Spectrum)  
Page 4 of 23  
Letter dated March 15, 2021

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

**Surface Water**

1 Surface Site: CTSW-1

1 Equipment Blank (~~CTSE-BLANK~~) **CTSEblank**  
**MA**

**Parameters (Matrix: Surface Water)**

**A. Metals**

Arsenic ✓	Chromium ✓	Lead ✓	Sodium ✓
Barium ✓	Copper ✓	Mercury ✓	Selenium ✓
Cadmium ✓ <b>266.8</b>	Iron ✓		

**B. Indicator Parameters**

Total Ammonia ✓	Nitrate ✓	Oil & Grease ✓
Total Alkalinity ✓	TKN ✓	Sulfate ✓
COD ✓	TDS ✓	Chloride ✓
TRPH (Total Recoverable Petroleum Hydrocarbons) ✓		
Foaming Agents (MBAS) ✓		

**C. Annual Parameters**

EPA Method 8021 (Volatile Organic Compounds & Chlorinated Hydrocarbons)

**D. Field Parameters**

Conductivity (field)  
pH (field)  
Temperature (field)  
Turbidity (field)  
Dissolved Oxygen (field)

**Read Staff Gauge & Read Meter at Pump Station**

PAGE 2 OF 2

COC # 03550

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

Facility Identification: Central County Transfer Station    Facility GMS#

Sample Type:            Grab

Sample Name: **CTSSEBLANK042821**

Date: **4/28/21**

Time: **9:00**

Equipment blanks are collected before sampling .  
  
DI water supplied  
  
by the Laboratory is poured into the precleaned equipment.  
  
and then poured into the sample bottles.  
  
This process is repeated until all sampling bottles are filled.

### Notes and Comments

Weather:  
**Overcast + COOL**

Conductivity on scale X **US**

PH < **2.0** in preservative

Field Parameters	Units	Standard Appearance
Temperature:	<b>22.0</b> C	Color: <b>Clear</b>
Specific Cond:	<b>—</b> uMHOS/cm	
Specific Cond: ATC	<b>1.29</b> uMHOS/cm	Odor: <b>No odor</b>
PH:	<b>6.02</b> Std. Units	
Turb:	<b>0.21</b> NTU	<b>No sheen</b>
D.O.	<b>8.53</b> Mg/L	

Bucket# **D**

Beaker# **P**

### Sample Container Inventory

Quantity	Size	Type	Preservation	Analysis

Sampled By: **Manny Alvarez**

**Antonio Richards**

Method of Shipment **Spectrum**

# SOLID WASTE AUTHORITY DIVISION OF ENVIRONMENTAL PROGRAMS SURFACE SITE DATA SHEET

Facility Identification: **Central County Transfer Station**

Sample Type: **Grab**

Sample Name: **CTSW-1** Date: **4/28/21**  
 WACS Facility ID: **PBCC01** Time: **9:35**  
 WACS Test Site ID: **PBCC09**

Depth of Sample: **4" - 6"**  
 Description: Adjacent to Storm water structure in pond  
 Staff gauge north: **Missing**  
 Staff gauge south: **7.59**  
 Master Pump station Meter: **999484**

Notes and Comments  
 Weather: **Sunny + mild**  
 Conductivity on scale X **US**  
 PH < **2.0** in preservative  
 Bucket# **D**  
 Beaker# **P**

Field Parameters	Units	Standard Appearance
Temperature:	<b>26.3</b> C	Color: <b>Light yellow</b>
Specific Cond:	<b>---</b> uMHOS/cm	
Specific Cond: ATC	<b>317</b> uMHOS/cm	Odor: <b>No odor</b>
PH:	<b>6.86</b> Std. Units	
Turb:	<b>4.09</b> NTU	<b>No sheen</b>
D.O.	<b>7.16</b> Mg/L	

Sample Container Inventory				
Quantity	Size	Type	Preservation	Analysis

Sampled By: **Manny Alvarez**  
**ANTONIO RICHARDS** Method of Shipment **Spectrum**