



NELAP Certificate No. E86006



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RECEIVED
MAY 26, 2022

Ground Water Monitoring Report

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

Date Received: 04/28/2022 16:20
Date Reported: 05/26/2022 12:22
Report Period: 2022Q2

Project Name: Central County Transfer Station Surface Water
Lab Work Order (COC): 22D1059

Laboratory Sample #

- 22D1059-01
- 22D1059-02
- 22D1059-03
- 22D1059-04

Client Sample #

- CTSSE Blank 042822
- CTSW-1
- Metal Trip Blank 42822
- VOC Trip Blank 42822



Central County Transfer Station Surface Water

Lab ID: 22D1059-01

Diameter (in):

Sheen: No

Depth to Water (ft):

Color: Clear

Top of Casing (ft):

Odor: No

Total Depth (ft):

Matrix: DI Water

Parameter Monitoring Report

WACS Facility ID #:	PBCC01	Sampling Date/Time:	04/28/22 10:35
WACS Test Site ID#:	N/A	Report Period:	2022Q2
Well Name:	CTSSE Blank 042822	Well Purge (Y/N):	
GW Classification:	N/A	Well Type:	Background Compliance
GW Elevation (NGVD):		Intermediate	Other (X)

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

00402	Specific Conductance (field)	GRAB	N	FDEP SOP	04/28/2022 10:35	6.57 uS/cm @ 25°C	uS/cm @ 25°C		1
	Dissolved Oxygen	GRAB	N	FDEP SOP	04/28/2022 10:35	7.90 mg/L	mg/L		1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	04/28/2022 10:35	6.83 pH Units	pH Units		1
	Temperature (field)	GRAB	N	FDEP SOP	04/28/2022 10:35	24.0 °C	°C		1
	Turbidity (Field)	GRAB	N	FDEP SOP	04/28/2022 10:35	0.72 NTU	NTU		1

Classical Chemistry Parameters

	Oil & Grease (HEM)	GRAB	N	EPA 1664	05/05/2022 11:00	<1.30 mg/L	1.30	3.90 mg/L	1
	TRPH	GRAB	N	EPA 1664	05/10/2022 11:00	<1.39 mg/L	1.39	4.18 mg/L	1

Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	04/29/2022 17:04	<2.49 mg/L	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	04/29/2022 17:01	<0.00620 mg/L	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	04/29/2022 12:50	<0.126 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	04/29/2022 15:33	<2.54 mg/L	2.54	10.0 mg/L	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	04/28/2022 17:35	<0.0220 mg/L	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	04/29/2022 12:50	<0.00720 mg/L	0.00720	0.0750 mg/L	1
00945	Sulfate	GRAB	N	EPA 300.0	04/29/2022 12:50	0.213 mg/L I	0.0953	0.500 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	05/02/2022 15:54	<10.0 mg/L	10.0	30.0 mg/L	1
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	05/03/2022 16:22	<0.184 mg/L	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01027	Cadmium	GRAB	N	EPA 200.8	05/05/2022 12:17	<0.0299 ug/L	0.0299	0.200 ug/L	1
01042	Copper	GRAB	N	EPA 200.8	05/05/2022 12:17	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	05/04/2022 13:55	<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	04/29/2022 12:10	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	04/29/2022 12:10	<0.0728 ug/L	0.0728	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	04/29/2022 12:10	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	04/29/2022 12:10	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	04/29/2022 12:10	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	04/29/2022 12:10	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	04/29/2022 12:10	<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	N	EPA 8260	04/29/2022 12:26	<0.105 ug/L	0.105	0.314 ug/L	1
34516	1,1,2,2-Tetrachloroethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.128 ug/L	0.128	0.385 ug/L	1



Central County Transfer Station Surface Water

Client Sample # CTSSE Blank 042822 continued

Lab ID:

22D1059-01

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
VOC and Chlorinated Hydrocarbons by EPA 8260 (8021 Comp. List)									
34511	1,1,2-Trichloroethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.130 ug/L	0.130	0.340 ug/L	1
34496	1,1-Dichloroethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.129 ug/L	0.129	0.388 ug/L	1
34501	1,1-Dichloroethene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.106 ug/L	0.106	0.319 ug/L	1
34536	1,2-Dichlorobenzene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.108 ug/L	0.108	0.325 ug/L	1
32103	1,2-Dichloroethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.103 ug/L	0.103	0.310 ug/L	1
34541	1,2-Dichloropropane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.132 ug/L	0.132	0.395 ug/L	1
34566	1,3-Dichlorobenzene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.0969 ug/L	0.0969	0.291 ug/L	1
34571	1,4-Dichlorobenzene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.0943 ug/L	0.0943	0.283 ug/L	1
34546	2-Chloroethyl vinyl ether	GRAB	N	EPA 8260	04/29/2022 12:26	<1.86 ug/L	1.86	5.57 ug/L	1
34030	Benzene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.0716 ug/L	0.0716	0.250 ug/L	1
32101	Bromodichloromethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.236 ug/L	0.236	0.707 ug/L	1
32104	Bromoform	GRAB	N	EPA 8260	04/29/2022 12:26	<0.291 ug/L	0.291	0.872 ug/L	1
34413	Bromomethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.306 ug/L	0.306	0.918 ug/L	1
32102	Carbon Tetrachloride	GRAB	N	EPA 8260	04/29/2022 12:26	<0.328 ug/L	0.328	0.984 ug/L	1
34301	Chlorobenzene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.0807 ug/L	0.0807	0.250 ug/L	1
34311	Chloroethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.241 ug/L	0.241	0.723 ug/L	1
32106	Chloroform	GRAB	N	EPA 8260	04/29/2022 12:26	1.51 ug/L	0.176	0.528 ug/L	1
30071	Chloromethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.463 ug/L	0.463	1.39 ug/L	1
45617	cis-1,2-Dichloroethene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.0997 ug/L	0.0997	0.299 ug/L	1
34702	cis-1,3-Dichloropropene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.239 ug/L	0.239	0.718 ug/L	1
04603	Dibromochloromethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.179 ug/L	0.179	0.537 ug/L	1
34334	Dichlorodifluoromethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.150 ug/L	0.150	0.451 ug/L	1
	Ethylbenzene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.0737 ug/L	0.0737	0.250 ug/L	1
04407	m,p-Xylene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.122 ug/L	0.122	0.500 ug/L	1
34423	Methylene Chloride	GRAB	N	EPA 8260	04/29/2022 12:26	<0.212 ug/L	0.212	1.00 ug/L	1
04421	Methyl-tert-butyl ether	GRAB	N	EPA 8260	04/29/2022 12:26	<0.280 ug/L	0.280	0.841 ug/L	1
04408	o-Xylene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.152 ug/L	0.152	0.456 ug/L	1
99351	Tetrachloroethene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.101 ug/L	0.101	0.304 ug/L	1
34010	Toluene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.179 ug/L	0.179	0.537 ug/L	1
99359	trans-1,2-Dichloroethene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.125 ug/L	0.125	0.374 ug/L	1
34697	trans-1,3-Dichloropropene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.540 ug/L	0.540	1.62 ug/L	1
99352	Trichloroethene	GRAB	N	EPA 8260	04/29/2022 12:26	<0.113 ug/L	0.113	0.340 ug/L	1
04590	Trichlorofluoromethane	GRAB	N	EPA 8260	04/29/2022 12:26	<0.162 ug/L	0.162	0.485 ug/L	1
04593	Vinyl chloride	GRAB	N	EPA 8260	04/29/2022 12:26	<0.221 ug/L	0.221	0.664 ug/L	1
99371	Xylenes, total	GRAB	N	EPA 8260	04/29/2022 12:26	<0.122 ug/L	0.122	0.500 ug/L	1



Central County Transfer Station Surface Water

Lab ID: 22D1059-02

Diameter (in):

Sheen: No

Depth to Water (ft):

Color: Slight Yellow

Top of Casing (ft):

Odor: No

Total Depth (ft):

Matrix: Surface Water

Parameter Monitoring Report

WACS Facility ID #: PBCC01
 WACS Test Site ID#: PBCC09
 Well Name: CTSW-1
 GW Classification: SW-IIIF
 GW Elevation (NGVD): N/A

Sampling Date/Time: 04/28/22 10:50
 Report Period: 2022Q2
 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	N	FDEP SOP	04/28/2022 10:50	342 uS/cm @ 25°C	uS/cm @ 25°C		1
	Dissolved Oxygen	GRAB	N	FDEP SOP	04/28/2022 10:50	9.27 mg/L	mg/L		1
00406	pH (Field) at 25°C	GRAB	N	FDEP SOP	04/28/2022 10:50	8.40 pH Units	pH Units		1
	Temperature (field)	GRAB	N	FDEP SOP	04/28/2022 10:50	27.2 °C	°C		1
	Turbidity (Field)	GRAB	N	FDEP SOP	04/28/2022 10:50	3.87 NTU	NTU		1

Classical Chemistry Parameters

	Oil & Grease (HEM)	GRAB	N	EPA 1664	05/05/2022 11:00	1.50 mg/L I	1.30	3.90 mg/L	1
	TRPH	GRAB	N	EPA 1664	05/10/2022 11:00	<1.39 mg/L	1.39	4.18 mg/L	1

Wet Chemistry

	Total Alkalinity	GRAB	N	EPA 310.2	04/29/2022 17:04	97.3 mg/L J3	2.49	7.46 mg/L	1
00151	Ammonia as N	GRAB	N	EPA 350.1	04/29/2022 17:01	<0.00620 mg/L J3	0.00620	0.0200 mg/L	1
00940	Chloride	GRAB	N	EPA 300.0	04/29/2022 13:07	36.6 mg/L	0.126	0.500 mg/L	1
	Chemical Oxygen Demand	GRAB	N	EPA 410.4	04/29/2022 15:33	52.2 mg/L	2.54	10.0 mg/L	1
	MBAS as LAS, mol wt. 340	GRAB	N	SM5540C	04/28/2022 17:35	0.0320 mg/L I	0.0220	0.100 mg/L	1
71851	Nitrate as N	GRAB	N	EPA 300.0	04/29/2022 13:07	<0.00720 mg/L	0.00720	0.0750 mg/L	1
00945	Sulfate	GRAB	N	EPA 300.0	04/29/2022 13:07	13.3 mg/L	0.0953	0.500 mg/L	1
00134	Total Dissolved Solids	GRAB	N	SM 2540C	05/02/2022 15:54	180 mg/L	20.0	60.0 mg/L	2
81393	Total Kjeldahl Nitrogen	GRAB	N	EPA 351.2	05/03/2022 16:22	0.713 mg/L J3	0.184	0.552 mg/L	1

Total Recoverable Metals by EPA 200 Series Methods

01027	Cadmium	GRAB	N	EPA 200.8	05/05/2022 12:21	<0.0299 ug/L	0.0299	0.200 ug/L	1
01042	Copper	GRAB	N	EPA 200.8	05/05/2022 12:21	3.74 ug/L I	1.01	4.00 ug/L	1
71900	Mercury	GRAB	N	EPA 200.8	05/04/2022 13:57	<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	04/29/2022 12:13	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB	N	EPA 6010/3010	04/29/2022 12:13	7.30 ug/L	0.0728	1.00 ug/L	1
01034	Chromium	GRAB	N	EPA 6010/3010	04/29/2022 12:13	0.800 ug/L I	0.339	5.00 ug/L	1
01045	Iron	GRAB	N	EPA 6010/3010	04/29/2022 12:13	18.6 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB	N	EPA 6010/3010	04/29/2022 12:13	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB	N	EPA 6010/3010	04/29/2022 12:13	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB	N	EPA 6010/3010	04/29/2022 12:13	19.6 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	N	EPA 8260	04/29/2022 13:18	<0.105 ug/L	0.105	0.314 ug/L	1
34516	1,1,2,2-Tetrachloroethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.128 ug/L	0.128	0.385 ug/L	1

Central County Transfer Station Surface Water

Client Sample # CTSW-1 continued

Lab ID:

22D1059-02

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
VOC and Chlorinated Hydrocarbons by EPA 8260 (8021 Comp. List)									
34511	1,1,2-Trichloroethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.130 ug/L	0.130	0.340 ug/L	1
34496	1,1-Dichloroethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.129 ug/L	0.129	0.388 ug/L	1
34501	1,1-Dichloroethene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.106 ug/L	0.106	0.319 ug/L	1
34536	1,2-Dichlorobenzene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.108 ug/L	0.108	0.325 ug/L	1
32103	1,2-Dichloroethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.103 ug/L	0.103	0.310 ug/L	1
34541	1,2-Dichloropropane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.132 ug/L	0.132	0.395 ug/L	1
34566	1,3-Dichlorobenzene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.0969 ug/L	0.0969	0.291 ug/L	1
34571	1,4-Dichlorobenzene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.0943 ug/L	0.0943	0.283 ug/L	1
34546	2-Chloroethyl vinyl ether	GRAB	N	EPA 8260	04/29/2022 13:18	<1.86 ug/L	1.86	5.57 ug/L	1
34030	Benzene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.0716 ug/L	0.0716	0.250 ug/L	1
32101	Bromodichloromethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.236 ug/L	0.236	0.707 ug/L	1
32104	Bromoform	GRAB	N	EPA 8260	04/29/2022 13:18	<0.291 ug/L	0.291	0.872 ug/L	1
34413	Bromomethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.306 ug/L	0.306	0.918 ug/L	1
32102	Carbon Tetrachloride	GRAB	N	EPA 8260	04/29/2022 13:18	<0.328 ug/L	0.328	0.984 ug/L	1
34301	Chlorobenzene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.0807 ug/L	0.0807	0.250 ug/L	1
34311	Chloroethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.241 ug/L	0.241	0.723 ug/L	1
32106	Chloroform	GRAB	N	EPA 8260	04/29/2022 13:18	<0.176 ug/L	0.176	0.528 ug/L	1
30071	Chloromethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.463 ug/L	0.463	1.39 ug/L	1
45617	cis-1,2-Dichloroethene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.0997 ug/L	0.0997	0.299 ug/L	1
34702	cis-1,3-Dichloropropene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.239 ug/L	0.239	0.718 ug/L	1
04603	Dibromochloromethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.179 ug/L	0.179	0.537 ug/L	1
34334	Dichlorodifluoromethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.150 ug/L	0.150	0.451 ug/L	1
	Ethylbenzene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.0737 ug/L	0.0737	0.250 ug/L	1
04407	m,p-Xylene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.122 ug/L	0.122	0.500 ug/L	1
34423	Methylene Chloride	GRAB	N	EPA 8260	04/29/2022 13:18	<0.212 ug/L	0.212	1.00 ug/L	1
04421	Methyl-tert-butyl ether	GRAB	N	EPA 8260	04/29/2022 13:18	<0.280 ug/L	0.280	0.841 ug/L	1
04408	o-Xylene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.152 ug/L	0.152	0.456 ug/L	1
99351	Tetrachloroethene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.101 ug/L	0.101	0.304 ug/L	1
34010	Toluene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.179 ug/L	0.179	0.537 ug/L	1
99359	trans-1,2-Dichloroethene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.125 ug/L	0.125	0.374 ug/L	1
34697	trans-1,3-Dichloropropene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.540 ug/L	0.540	1.62 ug/L	1
99352	Trichloroethene	GRAB	N	EPA 8260	04/29/2022 13:18	<0.113 ug/L	0.113	0.340 ug/L	1
04590	Trichlorofluoromethane	GRAB	N	EPA 8260	04/29/2022 13:18	<0.162 ug/L	0.162	0.485 ug/L	1
04593	Vinyl chloride	GRAB	N	EPA 8260	04/29/2022 13:18	<0.221 ug/L	0.221	0.664 ug/L	1
99371	Xylenes, total	GRAB	N	EPA 8260	04/29/2022 13:18	<0.122 ug/L	0.122	0.500 ug/L	1



Central County Transfer Station Surface Water

Lab ID: 22D1059-03

Diameter (in):

Sheen:

Depth to Water (ft):

Color:

Top of Casing (ft):

Odor:

Total Depth (ft):

Matrix: DI Water

Parameter Monitoring Report

WACS Facility ID #:

Sampling Date/Time: 04/28/22 10:50

WACS Test Site ID#:

Report Period: 2022Q2

Well Name: Metal Trip Blank 42822

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

01027	Cadmium	GRAB		EPA 200.8	05/05/2022 12:26	<0.0299 ug/L	0.0299	0.200 ug/L	1
01042	Copper	GRAB		EPA 200.8	05/05/2022 12:26	<1.01 ug/L	1.01	4.00 ug/L	1
71900	Mercury	GRAB		EPA 200.8	05/04/2022 13:59	<0.0116 ug/L	0.0116	0.100 ug/L	1

Metals by EPA 6000/7000 Series Methods

01002	Arsenic	GRAB		EPA 6010/3010	04/29/2022 12:17	<2.21 ug/L	2.21	10.0 ug/L	1
01007	Barium	GRAB		EPA 6010/3010	04/29/2022 12:17	<0.0728 ug/L	0.0728	1.00 ug/L	1
01034	Chromium	GRAB		EPA 6010/3010	04/29/2022 12:17	<0.339 ug/L	0.339	5.00 ug/L	1
01045	Iron	GRAB		EPA 6010/3010	04/29/2022 12:17	<1.09 ug/L	1.09	10.0 ug/L	1
01051	Lead	GRAB		EPA 6010/3010	04/29/2022 12:17	<1.19 ug/L	1.19	10.0 ug/L	1
01147	Selenium	GRAB		EPA 6010/3010	04/29/2022 12:17	<3.46 ug/L	3.46	15.0 ug/L	1
00934	Sodium	GRAB		EPA 6010/3010	04/29/2022 12:17	<0.446 mg/L	0.446	2.00 mg/L	1



Central County Transfer Station Surface Water

Lab ID: 22D1059-04

Diameter (in):

Sheen:

Depth to Water (ft):

Color:

Top of Casing (ft):

Odor:

Total Depth (ft):

Matrix: DI Water

Parameter Monitoring Report

WACS Facility ID #:

Sampling Date/Time: 04/28/22 10:50

WACS Test Site ID#:

Report Period: 2022Q2

Well Name: VOC Trip Blank 42822

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	04/29/2022 12:52	<0.105 ug/L	0.105	0.314 ug/L	1
34516	1,1,2,2-Tetrachloroethane	GRAB		EPA 8260	04/29/2022 12:52	<0.128 ug/L	0.128	0.385 ug/L	1
34511	1,1,2-Trichloroethane	GRAB		EPA 8260	04/29/2022 12:52	<0.130 ug/L	0.130	0.340 ug/L	1
34496	1,1-Dichloroethane	GRAB		EPA 8260	04/29/2022 12:52	<0.129 ug/L	0.129	0.388 ug/L	1
34501	1,1-Dichloroethene	GRAB		EPA 8260	04/29/2022 12:52	<0.106 ug/L	0.106	0.319 ug/L	1
34536	1,2-Dichlorobenzene	GRAB		EPA 8260	04/29/2022 12:52	<0.108 ug/L	0.108	0.325 ug/L	1
32103	1,2-Dichloroethane	GRAB		EPA 8260	04/29/2022 12:52	<0.103 ug/L	0.103	0.310 ug/L	1
34541	1,2-Dichloropropane	GRAB		EPA 8260	04/29/2022 12:52	<0.132 ug/L	0.132	0.395 ug/L	1
34566	1,3-Dichlorobenzene	GRAB		EPA 8260	04/29/2022 12:52	<0.0969 ug/L	0.0969	0.291 ug/L	1
34571	1,4-Dichlorobenzene	GRAB		EPA 8260	04/29/2022 12:52	<0.0943 ug/L	0.0943	0.283 ug/L	1
34546	2-Chloroethyl vinyl ether	GRAB		EPA 8260	04/29/2022 12:52	<1.86 ug/L	1.86	5.57 ug/L	1
34030	Benzene	GRAB		EPA 8260	04/29/2022 12:52	<0.0716 ug/L	0.0716	0.250 ug/L	1
32101	Bromodichloromethane	GRAB		EPA 8260	04/29/2022 12:52	<0.236 ug/L	0.236	0.707 ug/L	1
32104	Bromoform	GRAB		EPA 8260	04/29/2022 12:52	<0.291 ug/L	0.291	0.872 ug/L	1
34413	Bromomethane	GRAB		EPA 8260	04/29/2022 12:52	<0.306 ug/L	0.306	0.918 ug/L	1
32102	Carbon Tetrachloride	GRAB		EPA 8260	04/29/2022 12:52	<0.328 ug/L	0.328	0.984 ug/L	1
34301	Chlorobenzene	GRAB		EPA 8260	04/29/2022 12:52	<0.0807 ug/L	0.0807	0.250 ug/L	1
34311	Chloroethane	GRAB		EPA 8260	04/29/2022 12:52	<0.241 ug/L	0.241	0.723 ug/L	1
32106	Chloroform	GRAB		EPA 8260	04/29/2022 12:52	<0.176 ug/L	0.176	0.528 ug/L	1
30071	Chloromethane	GRAB		EPA 8260	04/29/2022 12:52	<0.463 ug/L	0.463	1.39 ug/L	1
45617	cis-1,2-Dichloroethene	GRAB		EPA 8260	04/29/2022 12:52	<0.0997 ug/L	0.0997	0.299 ug/L	1
34702	cis-1,3-Dichloropropene	GRAB		EPA 8260	04/29/2022 12:52	<0.239 ug/L	0.239	0.718 ug/L	1
04603	Dibromochloromethane	GRAB		EPA 8260	04/29/2022 12:52	<0.179 ug/L	0.179	0.537 ug/L	1
34334	Dichlorodifluoromethane	GRAB		EPA 8260	04/29/2022 12:52	<0.150 ug/L	0.150	0.451 ug/L	1
	Ethylbenzene	GRAB		EPA 8260	04/29/2022 12:52	<0.0737 ug/L	0.0737	0.250 ug/L	1
04407	m,p-Xylene	GRAB		EPA 8260	04/29/2022 12:52	<0.122 ug/L	0.122	0.500 ug/L	1
34423	Methylene Chloride	GRAB		EPA 8260	04/29/2022 12:52	<0.212 ug/L	0.212	1.00 ug/L	1
04421	Methyl-tert-butyl ether	GRAB		EPA 8260	04/29/2022 12:52	<0.280 ug/L	0.280	0.841 ug/L	1
04408	o-Xylene	GRAB		EPA 8260	04/29/2022 12:52	<0.152 ug/L	0.152	0.456 ug/L	1
99351	Tetrachloroethene	GRAB		EPA 8260	04/29/2022 12:52	<0.101 ug/L	0.101	0.304 ug/L	1
34010	Toluene	GRAB		EPA 8260	04/29/2022 12:52	<0.179 ug/L	0.179	0.537 ug/L	1
99359	trans-1,2-Dichloroethene	GRAB		EPA 8260	04/29/2022 12:52	<0.125 ug/L	0.125	0.374 ug/L	1
34697	trans-1,3-Dichloropropene	GRAB		EPA 8260	04/29/2022 12:52	<0.540 ug/L	0.540	1.62 ug/L	1



Central County Transfer Station Surface Water

Client Sample # VOC Trip Blank 42822 continued

Lab ID:

22D1059-04

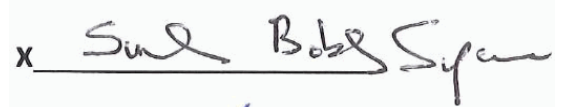
Storet Code	Parameter	Sample Method Grab/Comp	Field Filter Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units		
							MDL	PQL	Dil Factor
VOC and Chlorinated Hydrocarbons by EPA 8260 (8021 Comp. List)									
99352	Trichloroethene	GRAB		EPA 8260	04/29/2022 12:52	<0.113 ug/L	0.113	0.340 ug/L	1
04590	Trichlorofluoromethane	GRAB		EPA 8260	04/29/2022 12:52	<0.162 ug/L	0.162	0.485 ug/L	1
04593	Vinyl chloride	GRAB		EPA 8260	04/29/2022 12:52	<0.221 ug/L	0.221	0.664 ug/L	1
99371	Xylenes, total	GRAB		EPA 8260	04/29/2022 12:52	<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 ≥ 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 #



CHAIN OF CUSTODY RECORD

COC# A 08284

DUE DATE Requested
RUSH RESERVATION #
 Rush Surcharges apply

Report by **Phone: 561 640-4000**

Invoice # **561 640-2400**

Project Name **Central county Transfer Station Surface Water**

Project and/or Number **STATION SURFACE WATER**

Sampler Name **Antonio Richards**

Contact **Manny Alvarez**

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-?	Analysis Required	T E M P °C	P H	C O N D	C H L O R
1	CTSS6 Blank 4/28/22	4/28/22	10:35	DI	DI	7	See page 4				
2	CTSW-1	4/28/22	10:50	SW	DI	7	Letter of: March 15, 2022				
3											
4											
5											
6											
7	Metal Trip Blank 4/28/22	4/28/22	10:50	DI	DI	1					
8											
9	Vac Trip Blank 4/28/22	4/28/22	10:50	DI	DI	1					
10											

Special Comments: **COOLER # 007**

Deliverables: **QA/QC Report Needed?**

Sample Custody & Field Comments

Received on Ice: Y N

Temp as received: **13.02**

Custody seals? Y N

RAD-9: **GUN-1**

FIELD TIME

Sampling _____ hrs Pick Up _____ hrs

Misc. Charges _____

Bottle Type: **O-125 ml**

Additional Preservatives: **Hex-Hex Cr Buffer, EDTA-Ethylene Diamine**

Signature	Affiliation	Date/Time
<i>Manny Alvarez</i>		4/28/22 13:02
<i>Antonio Richards</i>		04/28/22 13:02
<i>Joe Rodriguez</i>		04/28/22 16:20
<i>Joe Rodriguez</i>		04/28/22 16:20
Received by:		

22D1059

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

Surface Water

1 Surface Site: **CTSW-1**

1 Equipment Blank (**CTSSE BLANK**)

Parameters (Matrix: Surface Water)

A. Metals

Arsenic	Chromium	Lead	Sodium
Barium	Copper	Mercury	Selenium
Cadmium	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 #08284
Dated: 04/28/22

Solid Waste Authority of Palm Beach County Equipment Blank – Surface Water

SITE NAME: Central County Transfer Station Surface Water	WACS Facility ID: PBCC01	DATE: 04/28/2022
Sample name: CTSSE Blank 042822	WACS Test Site ID: N/A	SAMPLE TIME: 10:35
Matrix: DI Water	Site Location: 1810 Lantana Road - Lantana, FI	

Description: Equipment Blanks are collected before sampling. Laboratory supplied DI water is poured into the pre-cleaned equipment and then poured into sample bottles.			
Classification of Ground Water: N/A		Weather Conditions: Sunny + Warm	
Sample Method: GRAB	Stainless Steel Bucket #: J	Stainless Steel Beaker #: Q	DI Water Lot # 4/11/22

Equipment Blank - Field Data

FIELD VALUES →			pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
			6.83	24.0	6.57	7.90	0.72
Color: clear	Odor: NO	Sheen: NO	Comments: Voc Trip Blank 42822 Metal Trip blank 42822			Cooler # 007	

SAMPLING DATA

FIELD DECONTAMINATION: No			FIELD-FILTERED: No			DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>	
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH		
1	HDPE	1-LITER	HNO3	None	<2.0	Metals	
2	HDPE		H2SO4	None	<2.0	Ammonia, COD, TKN	
3			H2SO4	None	<2.0	OIL & GREASE, TRPH	
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)							
SAMPLED BY (PRINT) Antonio Richard Manny Alvarez				SAMPLER(S) SIGNATURE(S) 			

**Solid Waste Authority of Palm Beach County
SURFACE WATER SAMPLING LOG**

SITE NAME: Central County Transfer Station - Surface Water		WACS Facility ID: PBCC01	DATE: 04/28/2022
Sample name: CTSW-1	Matrix: Surface Water	WACS Test Site ID: PBCC09	SAMPLE TIME: 10:50
Sample Location: 1810 Lantana Road Lantana, Fl.		Description: Adjacent to Storm Water Structure on East side in pond	Discharge Elevation: ft NGVD. N/A
Classification of Surface water: SW-IIIIF	Depth of Sample: 6" - 8"	Staff Gauge Reading: S. Side of pond <u>7.16</u> (ft NGVD)	Weather Conditions: Sunny + warm
Discharging No Discharge Structure exists	Sample Method GRAB	Stainless Steel Bucket # J	Stainless Steel Beaker # Q Cooler # 007

Surface Water - Field Data

FIELD VALUES →			Other	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	
				8.40	27.2	342	9.27	3.87	
Color: Slight Yellow	Odor: NO	Sheen: NO	Surface Water Conditions (Aquatic Vegetation coverage, is DS full or dry) Metal Trip Blank 42822 NO vegetation Voc Trip Blank 42822 Lake is full				Meter Reading: 180200		

SAMPLING DATA

FIELD DECONTAMINATION: No			FIELD-FILTERED: No			DUPLICATE: Y (N) (Circle one)		
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		HNO3	None	2.0	Metals		
2	HDPE		H2SO4	None	2.0	Ammonia, COD, TKN		
3	AG		H2SO4	None	2.0	OIL & GREASE, TRPH		
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)								
SAMPLED BY (PRINT) Manny Alvarez ANTONIO RICHAROS					SAMPLER(S) SIGNATURE(S) 