BENCHMARK

EnviroAnalytical Inc.



FDOH Certification #E84167

Charlotte County Utilities 25550 Harbor View Rd., Unit 1 Port Charlotte, FL 33980

Sandra Lavoie

ANALYTICAL TEST REPORT THESE RESULTS MEET NELAC STANDARDS

INORGANIC ANALYSIS

62-550.310 (1)

REPORT NUMBER: 16010862 - 001

SYSTEM NAME:

BS-3 Pri/Sec & Ann Reclaimed

PARAMETER ID	PARAMETER NAME		UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
7	TOTAL KJELDAHL NITROGEN	11	MG/L	1.05		351.2	0.05	01/29/2016	11:01	E84167
	TOTAL NITROGEN		MG/L	12.1		353+351	0.05	02/02/2016	14:57	E84167
1040	NITRATE NITROGEN		MG/L	11.0	ş 2	353,2	0.004	01/26/2016	15:50	E84167
1041	NITRITE NITROGEN	×	MG/L	0.003	a U	SM4500NO2B	0.003	01/26/2016	15:50	E84167
1038	NITRATE+NITRITE AS N		MG/L	11.0		353 2	0,004	02/02/2016	14:57	E84167
1005	ARSENIC	15	UG/L	1:11	Ĩ	SM3113B	0.689	01/28/2016	15:10	E84167
1010	BARIUM		UG/L	12.5		200.7	2	01/28/2016	17:10	E84167
1015	CADMIUM		UG/L	0.9	U	200.7	0.9	01/28/2016	17:10	E84167
1020	CHROMIÚM	18	UG/L	2,50	Ĩ	200.7	2	01/28/2016	17:10	E84167
1025	FLUORIDE		MG/L	0.105	1).	300.0	0.030	01/29/2016	12:41	E84167
030	LEAD		UG/L	0.670	U	SM3113B	0.670	01/29/2016	17:49	E84167
1035	MERCURY		UG/L	0.198	U	245.1	0,198	01/28/2016	11:30	E84167
1036	NICKEL	iS.	UG/L	1.18	U	200.7	1.18	01/28/2016	17:10	E84167
045	SELENIUM		UG/L	1.57	U	SM3113B	1.57	02/01/2016	11:31	E84167
052	SODIUM	10	≅MG/L	125		200.7	0.034	01/28/2016	17:10	E84167
074	ANTIMONY		UG/L	2.26	U	SM3113B	2.26	02/02/2016	18:18	E84167
1075	BERYLLIUM	25%	UG/L	0.078	Ü	200.7	0,078	01/28/2016	17:10	E84167
085	THALLIUM		UG/L	0,981	U	200,9	0.981	02/03/2016	12:18	EB4167

62-550.310 (4) (b)

REPORT NUMBER: 16010862 - 001

SYSTEM NAME:

BS-3 Pri/Sec & Ann Reclaimed

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2005	ENDRIN	UG/L	0.0100	U	505	0,0100	01/29/2016		E83018
2010	LINDANE (G-BHC)	UG/L	0,0100	U	505	0.0100	01/29/2016		E83018
2015	METHOXYCHLOR	UG/L	0.0500	U	505	0.0500	01/29/2016		E83018
2020	TOXAPHENE	UG/L	0.500	U	505	0.500	01/29/2016		E83018
2031	DALAPON	UG/L	0.100	U	515.4	0.100	02/11/2016		E83018
2032	DIQUAT	UG/L	0.400	U	549.2	0.400	02/02/2016		E83018
2033	ENDOTHALL	UG/L	9.00	U	548.1	9.00	02/06/2016		E83018
2034	GLYPHOSATE	UG/L	6.00	U	547	6.00	02/06/2016		E83018
2035	DI(2-ETHYLHEXYL)ADIPATE	UG/L	0.600	U	525.2	0,600	02/06/2016		E83018
2036	OXAMYL	UG/L	2.00	U	531,1	2,00	02/05/2016	9	E83018
2037	SIMAZINE	UG/L	0.0700	U	507	0.0700	02/08/2016		E83018
2039	DI(2-ETHYLHEXYL)PHTHALATE	UG/L	30.5	L	525.2	0,600	02/06/2016		E83018
2040	PICLORAM	UG/L	0.100	U	515.4	0,100	02/11/2016		E83018
2041	DINOSEB	UG/L	0.200	U	515.4	0,200	02/11/2016		E83018
2042	HEXACHLOROCYCLOPENTADIENE	UG/L	0.100	U	505	0.100	01/29/2016		E83018
2046	CARBOFURAN	UG/L	0.900	U	531,1	0,900	02/05/2016	E	E83018
2050	ATRAZINE	UG/L	0.100	U 😹	507	0.100	02/08/2016		E83018
2051	ALACHLOR (LASSO)	UG/L	.200	U	507	200	02/08/2016		E83018
2063	2,3,7,8-TCDD	PG/L	1.38	U	1613B	1.38	02/03/2016		E87688
2065	HEPTACHLOR	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
2067	HEPTACHLOR EPOXIDE	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
2105	2,4-D	UG/L	0.100	U	515.4	0.100	02/11/2016		E83018
2110	2,4,5-TP (SILVEX)	UG/L	0.200	U	515.4	0.200	02/11/2016	/4	E83018
2274	HEXACHLOROBENZENE	UG/L	0.100	U	505	0,100	01/29/2016		E83018
2306	BENZO(A)PYRENE	UG/L	0.200	U	525.2	0.200	02/06/2016		E83018
2326	PENTACHLOROPHENOL	UG/L	0.0400	U Saga	515.4	0.0400	02/11/2016		E83018
2383	PCB	UG/L	0.100	U	505	0.100	01/29/2016		E83018
2946	ETHYLENE DIBROMIDE	UG/L	0.01	U	504;1	0.01	01/29/2016	14:00	E84167
2959	CHLORDANE	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018

RADIONUCLIDES

62-550.310 (6)

REPORT NUMBER: 16010862 - 001

SYSTEM NAME:

BS-3 Pri/Sec & Ann Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	RADIUM-226/228 COMBINED	PCI/L	1,1+/-0.2		903,1/Ra-05	0.9	02/11/2016	12:28	E83033
4000	GROSS ALPHA	PCI/L	2.1+/-0.7		900.0	1.0	02/05/2016	12:45	E83033
4020	RADIUM-226	PCI/L	1.1+/-0.2		903.1	0.2	02/11/2016	11:01	E83033
4030	RADIUM-228	PCI/L	0.9	U	Ra-05	0.9	02/11/2016	12:28	EB3033

SECONDARY CONTAMINANTS

62-550.320

REPORT NUMBER: 16010862 - 001

SYSTEM NAME:

BS-3 Pri/Sec & Ann Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	COLOR PH	UNITS	7.24		SM4500H+B	****	01/26/2016	16:54	E84167
1002	ALUMINUM	UG/L	48.0	15	200.7	23	01/28/2016	17:10	E84167
1017	CHLORIDE	MG/L	200		300.0	0.353	02/01/2016	14;08	E84167
1022	COPPER	UG/L	0.346	U	SM3113B	0.346	02/09/2016	12:14	E84167
1025	FLUORIDE.	MG/L	0.105	¥2	300.0	0.030	01/29/2016	12:41	E84167
1028	IRON	UG/L	51,5	<u>ji</u>	200.7	29	01/28/2016	17:10	E84167
1032	MANGANESE	UG/L	9.80		200.7	0.98	01/28/2016	17:10	E84167
1050	SILVER	UG/L	0.600	. 1	200.7	0_5	01/28/2016	17:10	E84167
1055 =	SULFATE	MG/L	34.1		300.0	0.339	02/01/2016	14:08	E84167
1095	ZINC	UG/L	69.2		200.7	1.4	01/28/2016	17:10	E84167
1905	COLOR, APPARENT	PCU	10		SM2120B	2.5	01/26/2016	16:54	E84167
1930	TOTAL DISSOLVED SOLIDS	MG/L	592		SM2540C	7.26	01/28/2016	09:58	E84167
2905	SURFACTANTS	MG/L	0,198		SM5540C	0.03	01/27/2016	10:22	E84167

INORGANIC ANALYSIS

62-550.310 (1)

REPORT NUMBER: 16010862 - 002

SYSTEM NAME:

BS-3 Pri/Sec & Ann Reclaimed

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1024	CYANIDE	MG/L	0.005	υ	335.4	0.005	01/27/2016	11:38	E84167

DISINFECTION BYPRODUCTS

62-550.310 (3)

REPORT NUMBER: 16010862 - 002

SYSTEM NAME:

BS-3 Pri/Sec & Ann Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2941	CHLOROFORM	UG/L	33.7		524,2	0,5	01/29/2016	17:00	E84167
2942	BROMOFORM	UG/L	2.89		524.2	0.5	01/29/2016	17:00	E84167
2943	BROMODICHLOROMETHANE	UG/L	42.1		524.2	0.5	01/29/2016	17:00	E84167
2944	DIBROMOCHLOROMETHANE	UG/L	17.8		524.2	0,5	01/29/2016	17:00	E84167
2950	TRIHALOMETHANES, TOTAL	UG/L	96.5		524.2	0_5	01/29/2016	17:00	E84167

VOLATILE ORGANICS

62-550.310 (4) (a)

REPORT NUMBER: 16010862 - 002

SYSTEM NAME:

BS-3 Pri/Sec & Ann Reclaimed

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2378	1,2,4-TRICHLOROBENZENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2380	CIS-1,2-DICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2955	XYLENES	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2964	METHYLENE CHLORIDE	UG/L	0,5	U	624	0,5	01/29/2016	17:00	E84167
2968	O-DICHLOROBENZENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2969	PARA-DICHLOROBENZENE	UG/L	0.5	υ	624	0,5	01/29/2016	17:00	E84167
2976	VINYL CHLORIDE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2977	1,1-DICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2979	TRANS-1,2-DICHLOROETHENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2980	1,2-DICHLOROETHANE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2981	1,1,1-TRICHLOROETHANE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	£84167
982	CARBON TETRACHLORIDE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2983	1,2-DICHLOROPROPANE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2984	TRICHLOROETHENE	UG/L	0,5	U	624	0.5	01/29/2016	17:00	E84167
985	1,1,2-TRICHLOROETHANE	UG/L*	0.5	U	624	0.5	01/29/2016	17:00	E84167
1987	TETRACHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
989	MONOCHLOROBENZENE	UG/L	0,5	U	624	0.5	01/29/2016	17:00	E84167
990	BENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E64167
991	TOLUENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
992	ETHYLBENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2996	STYRENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167

62-550.310 (4) (b)

REPORT NUMBER: 16010862 - 002

SYSTEM NAME:

BS-3 Pri/Sec & Ann Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2931	1,2-DIBROMO-3-CHLOROPROPANE	UG/L	0,014	U	504.1	0.014	01/29/2016	14:00	E84167

SECONDARY CONTAMINANTS

62-550.320

REPORT NUMBER: 16010862 - 002

SYSTEM NAME:

BS-3 Pri/Sec & Ann Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1925	PH	UNITS	6.95	Q	SM4500H+B		01/26/2016	15:59	E84167

Dale D. Dixon/Laboratory Director

02/22/2016

Date

Tülay Tanrisever / QC Officer

Deborah A. Murphy / Project Manager

DATA QUALIFIERS THAT MAY APPLY:

- I = Reported value is between the laboratory MDL and the PQL PQL = 4 x MDL.
- J = Estimated value.
- J3 = Estimated value. Quality control criteria for precision or accuracy not met
- J4 = Estimated value. Sample matrix interference suspected.
- Q = Sample held beyond accepted hold time.
- U = Analyte analyzed but not detected at the value indicated.
- V = Analyte detected in sample and method blank. Results for this enalyte in associated samples may be biased high, Standard. Duplicate, and Spike values are within control limits. Reported data are usable.

For questions and comments regarding these results, please contact us at (941) 723-9986.

Results relate only to the samples.

NOTES:

ND = Not Detected at or above adjusted reporting limit. MBAS calculated as LAS; molecular weight = 340 X = Value exceeds MCL.

L = Off-scale high; reported concentration exceeds the highest standard.

There were several exceedance is the Spikes for Bis(2-ethlyhexy()phthalate and Simazine, however the LCS validates both of the analysis.

Benchmark EnviroAnalytical, Inc.

1711 Twelfth Street East Palmetto, FL 34221 (941) 723-9986 (941) 723-6061 fax WWW.Benchmarkea.com Client: Cha

Charlotte County Utilities

25550 Harbor View Rd. Unit 1 Port Charlotte, FL 33980

Phone: 941-764-4593 Sandra Lavoie

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Sandra.Lavoie@charlottefl.com

_		Diania			IIX . W	VV	8001- (Destable -	4 DODA		1011118810		The Part of the Labor Part	1		PDCD	640 h.m	301
Type ¹	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn	Dioxin	Rad 226 Rad 228 Radium 226/228 Combined	(353.2)	507 548.1 547	Semi- volatiles 525.2	505	Diquat 549,2	531.1	Herbicide 515.4	s EDB 504.1	(Foaming Agents)	TDS Color/pH Fluoride NO ₂ (SM4500)	VOCs (21) THM's ***	pH ****	504.1	CN	La ID
	1: 4 HNO ₃ pH<2.0	Plain	1: 4 HNO ₃ pH<2 p	1:4 H;\$O ₄ pH<2	Na ₂ S ₂ O ₃	Na ₂ SO ₃ 1:1 HCl**	Na ₂ S ₂ O ₃	Na ₂ S ₂ O ₃	Na ₂ S ₂ O ₃ MCAA	Na ₂ S ₂ O ₃	NaS ₂ O ₃	Plain	Plain	NaThio 1:1 HCI*	Plain	NaS ₂ O ₃	N₄OH pH>9 □	
	l x l Quart Plastic	2 x 950mL Amber Glass	l x 2 Quart Plastic	1 x ½ Pint Plastic	2 x 1 Lt. Amber Glass	1 x 1 Liter Glass	2 x 40mL Glass Vials	1 x 250mL Opaque Plastic	1 x 40mL Glass Vial	l x 150mL Glass	, 2 x 40mL Glass Vials	l x I Quart Plastic	I x I Quart Plastic	3 x 40mL Glass Vials	1 x ½ Pint Plastic	2 x 40mL Glass Vials	1 x 1/2 Pint Plastic	
24hr Comp.	Start Date & Time	01/2	125/16	073	•	•	Þ	•	•		٠	•	•					1
G											Alife () E			Date & Tin	ne: •	•		
	Sample Type ¹ 24hr Comp.	Type¹ Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn 1:4 HNO, pH-22 1 x 1 Quart Plastic 24hr Comp. Start Date & Time	Sample Type¹ Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn 1:4 HNO pH-2 1x1 Quart Plastic 24hr Comp. Start Date & Time: 01/2	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Dioxin Rad 226 Rad 228 Radium 226/228 Combined	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Start Date & Time: Ol / 26 / 16 O 740 O 740	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Dioxin Rad 226 Rad 228 Radium 226/228 Radium 226/228 Combined TKN TN 548.1 547	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain 1:4 HNO, pH<2 Plain Plastic Pl	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Seminate Start Date & Time: Ol / 26 / 16 O 740 SOC's (Sone Alpha Rad 226 (353.2) SOC's (Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Scamble Start Date & Time: Ol Z6 /6 O 7 30 Scamble SoC's (Pesticides at Radium 226/228 Radium 226/228 Radium 226/228 Radium 226/228 Radium 226/228 Combined Start Date & Time: Ol Z6 /6 O 7 30 Scamble SoC's (Pesticides at Radium 235.2) So7 Semi-548.1 volatiles 549.2 Start Date & Time: Ol Z6 /6 O 7 30 Scamble SoC's (Pesticides at Radium 226/228 No3, Calc.) So7 Semi-548.1 volatiles 549.2 Start Date & Time: Ol Social No3, Calc.) So7 Semi-548.1 Volatiles 549.2 Start Date & Time: Ol Social No3, Calc.) So7 Semi-548.1 Volatiles 549.2 Start Date & Time: Ol Social No3, Calc.) So7 Semi-548.1 Volatiles 549.2 Start Date & Time: Ol Social No3, Calc.) No	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain 1: 4 HNO ₃ pH<2 Plain Plastic Plastic	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mm, Ag, Zn Plain 1:4 HNO, pH<2 Combined Plastic Plastic	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Sdatum 226/228 Combined Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Sdatum 226/228 Combined Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Sdatum 226/228 Combined Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Sdatum 226/228 Cd, Carbined Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Sdatum 226/228 Cd, Carbined Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Sdatum Cd, Calcological Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Rad 226 Rad 228 Radium 226/228 Radium 226/228 Radium 226/228 Cd, Carbined Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Cu, Cu, Cu, Cu, Cu, Cu, Cu, Cu, Cu, Cu	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Ti Al, Cu, Fe, Mn, Ag, Zn Plain 1:4 HNO ₃ Plain 1:4 HNO ₃ Plastic Pl	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain Plain Plain Plastic Plas	Sample Type	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain Plain Plain Plain Plastic Pl	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain Plain	Sample Type Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain Plain Plain Plain Plain Plastic Plas

*Add 3 drops of HCl to each bottle.

** Add entire vial of HCl to sample bottle.

*** Fill all 3 vials completely; there can be NO AIR BUBBLES.

****pH received after 15 minute hold time, ok to run analysis.

1 "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a cc 2 "Sample Matrix" is used to indicate whether the sample is being discharged to drinking wat 3 "Container Type" is used to indicate whether the container is plastic (P) or glass (G). 4 Sample must be refrigerated or stored in wet ice after collection. The temperature during st Under "Preservative." list any preservatives that were added to the sample container.	er (DW), groundwater (GW), surface water (SW)		r sludge (SLDG). Laboratory Sample Acceptability
Instructions: 1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample 2. The following information should be added to each bottle label after collection with permanent black in 3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection. 4. The client is responsible for documentation of the sampling event. Please note special sampling events of the sampling events.	date and time of collection, sampler's name or	initials, and any field number or ID.	pH<2 BEA Temperature: BEAS Temperature: 8 0 (
1 Collector, Wagner Spellsagentan Suss felly 2 Received Byr Clared	Date: 1-26-16 Time: 0839 Date: 126-16 Time: 77	Received By:	Date: 1/26/16 Time: 947
3 Received By: My 4 Received By: Chry Haubein	Date 1 26 16 705 Date: 1 26 16 704	Received By: A Gubein	Date 100 Time: 105
0	1/26/16 1415	Alt DIM	1/21/16 1415

INTERLABORATORY SAMPLE TRANSMITTAL FORM

	iviroAnalytical,	lne.					I L	Date:			01/20/16	
1711 12th Stree		-	983			2	#	of Samples:		1	Total # of Bott	les: l
Palmetto, FL 3 (941) 723-9986							N	Method of Ship	ment:		Courier	
(941) 723-6061 Office QC Che	fax				330		S	Subcontract Lal	boratory:	5456 Pho	Florida Radiochemis Hoffner Ave. #201 Orlan ne: 407-382-7733 Fax: 40	do, Fl. 32812
Bottle Check:_		BUSIN	ESS :	DAY T	г.а.т. н	PLEASE		Page		1	of	ı
Labo	oratory	Colle	ction	Sample	Collection	Preservative		Containe	r	Pa	uameter's	Field Conductivity
Subm	ission #	Date	Time	Matrix*	Method**		Qıy	Capacity	Type***	1200 771 4	1, 100	μs/cm
1601	0862-1	01/26/16	0740	ww	24 Hr. Comp.	1:4 HNO ₃	ı	2 Qt	P	Gross Alpha,	Radium 226 & 228	
									-			
				ļ					Ç1	0		
ž).	CC 4244 6 M 2 S24 7 M											
										, ti	The second secon	
** Sample Method abb	vintions: Groundwater (previations: Grab (G), Go previations: Plastic (P),	omposite (C), 24 He	r (SW), Saline our Composite	Surface Water (Q4HR Comp.)	SSW), Fresh Surfa	ice Water(FSW), Drin	king Wate	r (DW), Słudge (Słdg	g), Solid (Sol), Sail ((Soil), Domestic Efflue	ent (Dom Eff), Industrial Effi	ent (Ind Eff),
Relinquished By:	Sign Name:	Ster	1/	<u> </u>)	Date:		Received By:	Mille	Duma		Date: 2-3-16
(Benchmark)	Print Name: .	1	Annal	ı Jensen		Time:			MIKEN	Briman Bramam)	Time: 11.50
Relinquished By:	Sign Name:	V				Date:		Received By:	D. 1945	5744		Date:
	Print Name:					Time:					. 11	Time:
Description and the second								J				- Latin

Benchmark EnviroAnalytical, Inc. 1711 12th Street East

Palmetto FI 34221 941-723-9986

Flowers Chemical Laboratories, Inc. 481 Newburyport Ave. Altamonte Springs Fl 32701 407-339-5984

Sar	npled By: Clier	nt .			Project Name (Number): 16010862 (BS-3)									P.O.#							
Ma	trix's:				Client Contact: A:	пла	h J	ens	en	/ [Dale	Dixon		Ema	l Re	port: B	ettina Be	ilfuss / De	borah Mi	urnh	v
GW	- Ground water	DW- Drit	nking wa	ater	FCL Project Mana	agei	: J	une	: F	lον	vers	/ Shawn					************			arpii	J
SW-	- Surface water	S- Soil/so	olid		Requested Due Date: 10	****			-	_						Rust	Charges M	iay Apoly			
SL-	Sludge	WW- Wa	ste wate	r	Pick-up Fee: \$	-		-						Vehicle	e Surc	harge \$:					
Item No	Sample ID	Date	Time	Matrix	(Lab Use Only)		Р	reser	rvati	ves					Anal	ysis Requ	est		Comm	ents	e S
					Lab. NO,	Monoclacid	1-4 H ₂ SO ₄	1:4 KNO,	L.I HCI	Na ₂ S ₂ O ₃	Na ₂ SO ₁ + HCl	507/548.1 /547	525,2		505	Diquat 549	531.1	515.4	2.6 pH&	ol	Total # of Containers
1			ļ,	ww		1	-,			x		X		+			+				2
2	4)			ww							X	1		+	V.		1		-	1	1
3	16010960 1	01/0/11/	07.0	ww	288822muj	1		, ,-		Х				-	x		-			-	2
4	16010862-1	01/26/16	0740	WW						Х						Х	†		24 Hr Compos		1
5				ww		X				X				+-			X		-	-	1
6			-	WW						х							1	X	-	-	
7						1						<u> </u>		+-			+		+	+	-
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9		-				H	-	+	-					+-			1		+		
10						\vdash	-	+	+	-				+-			-				-
	linquished By / Affilial	tion Dat	e Tini	e A	ccepted By / Affiliation	Da	e	Tin	ne l	R	telino	uished By / A	Wiliatio	1 0	ate	Time	Accepted D	y / Affiliation	Date	Tim	_
Ann	nah Jensen/BEA	01/27	/16 0830	-	14											· AIIV	Theodyled B	y r Attinization)	1/27/16		

INTERLABORATORY SAMPLE TRANSMITTAL FORM Date: 01/26/16 Benchmark EnviroAnalytical, Inc. 1711 12th Street East BS-3 Station ID: Palmetto, FL 34221 (941) 723-9986 (941) 723-6061 fax Total # of Bottles: # of Samples: UPS -2 Day Air Method of Shipment: WWW.Benchmarkea.com Summit Environmental Subcontract Laboratory: 3310 Win Street
Cuyahoga Falls, Ohio. 44223 Office QC Check: _ Bottle Check: (330) 253-8211 1 Page

Laboratory Submission #	Collec	ction	Sample	Collection	Preservative		Containe	Co	Parameters .	Com	ments
Submission #	Date	Time	Matrix	Method ²	- American	Qty	Capacity	Туре	The second secon		V
16010862-1	01/26/16	0740	ww	24 Hr. Composite	Plain	2	950mL	G	Dioxin	gang word	
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		(a)						001	1620-001		
									15	1 1	i juni
-						_					
		(4)		7		1			500 LT 31500 - 411500	4	
7 "Sample M	strix" abbreviations: Grou ethod" abbreviations: Gra Type" abbreviations: Plas	h (O), Composit	e (C)	et (SW), Drinkii	ig Water (DW),	Sludge (Sidg), Solid (Sol), Soli (So	il), Domestio Effluent (Dom Eff), Industrial Effluent (Ind Eff)		¥
	Sign Name:	11		1	Date	: 01	26/16	Received		Date:	
iy: Benchmark)	Print Name:	4/	Annah Jen	sen	Time	:	1600	By:	UPS	Time:	
elinquished /	Sign Name:	Date			Received	0-5	Date:	1/29/			
By:	Print Name:				Time		200	By:		Time:	102

Comments

BENCHMARK

EnviroAnalytical Inc.



FDOH Certification #E84167

Charlotte County Utilities 25550 Harbor View Rd., Unit 1 Port Charlotte, FL 33980

Sandra Lavoie

ANALYTICAL TEST REPORT THESE RESULTS MEET NELAC STANDARDS

INORGANIC ANALYSIS

62-550.310 (1)

REPORT NUMBER: 16010863 - 001

SYSTEM NAME:

EP-32 Pri/Sec & Ann. Reclaimed

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1040	NITRATE NITROGEN	MG/L	3.41		353.2	0.004	01/26/2016	15:51	E84167
1041	NITRITE NITROGEN	MG/L	0,003	U	SM4500NO2B	0.003	01/26/2016	15:51	E84167
1038	NITRATE+NITRITE AS N	MG/L	3.41		353.2	0.004	02/02/2016	14:37	E84167
1005	ARSENIC	UG/L	0.916	Ī	SM3113B	0.689	01/28/2016	15: 1 6	E84167
1010	BARIUM	UG/L	8.20		200.7	2	01/28/2016	17:15	E84167
1015	CADMIUM	UG/L	0.9	~U	200.7	0.9	01/28/2016	17:15	E84167
1020	CHROMIUM	UG/L	2	U	200.7	2	01/28/2016	17;15	E84167
1025	FLUORIDE	" MG/L	0.182		300.0	0.030	01/29/2016	13;20	E84167
1030	LEAD	UG/L	0.670	U	SM3113B	0.670	01/29/2016	17:54	E84167
1035	MERCURY	UG/L	0.198	U	245.1	0.198	01/28/2016	11:30	E84167
1036	NICKEL	UG/L	1.60	"H	200.7	1.18	01/28/2016	17:15	E84167
1045	SELENIUM	UG/L	1.57	U	SM3113B	1.57	02/01/2016	11:37	E84167
1052	SODIUM	MG/L	106		200.7	0.034	01/28/2016	17:15	E84167
1074	ANTIMONY	UG/L	2.26	U	SM3113B	2,26	02/02/2016	18:28	E84167
1075	BERYLLIUM	UG/L	0,078	U	200.7	0.078	01/28/2016	17:15	E84167
1085	THALLIUM	UG/L	0.981	U	200.9	0.981	02/03/2016	13:04	E84167

62-550.310 (4) (b)

REPORT NUMBER: 16010863 - 001

SYSTEM NAME:

EP-32 Pri/Sec & Ann. Reclaimed

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2005	ENDRIN	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
2010	LINDANE (G-BHC)	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
2015	METHOXYCHLOR	UG/L	0.0500	U	505	0.0500	01/29/2016		E83018
2020	TOXAPHENE	UG/L	0.500	U	505	0.500	01/29/2016		E83018
2031	DALAPON	UG/L	0.100	U	515.4	0.100	02/11/2016		E83018
2032	DIQUAT	UG/L	0.400	U	549.2	0.400	02/02/2016		E83018
2033	ENDOTHALL	UG/L	9.00	U	548.1	9.00	02/06/2016		E83018
2034	GLYPHOSATE	UG/L	6.00	U	547	6.00	02/02/2016		E83018
2035	DI(2-ETHYLHEXYL)ADIPATE	UG/L	0.600	U	525.2	0.600	02/06/2016		E83018
2036	OXAMYL	UG/L	2.00	U	531.1	2.00	02/05/2016		E83018
037	SIMAZINE	UG/L	0.0700	U	507	0,0700	02/08/2016		E83018
039	DI(2-ETHYLHEXYL)PHTHALATE	UG/L	36,7	L	525.2	0.600	02/06/2016		E83018
040	PICLORAM	UG/L	0.100	U	515. 4	0.100	02/11/2016		E83018
041	DINOSEB	UG/L	0.200	U	515.4	0.200	02/11/2016		E83018
042	HEXACHLOROCYCLOPENTADIENE	UG/L	0.100	U	505	0.100	01/29/2016		E83018
046	CARBOFURAN	UG/L	0.900	U	531.1	0.900	02/05/2016		E83018
050	ATRAZINE	UG/L	0.100	U	507	0.100	02/08/2016		E83018
051	ALACHLOR (LASSO)	UG/L	0.200	U	507	0.200	02/08/2016		E83018
063	2,3,7,8-TCDD	PG/L	1.38	Ü	1613B	1,38	02/03/2016		E87688
.065	HEPTACHLOR	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
067	HEPTACHLOR EPOXIDE	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
105	2,4-D	UG/L	0.100	U	515.4	0.100	02/11/2016		E83018
110	2.4,5-TP (SILVEX)	UG/L	0.200	U	515.4	0.200	02/11/2016		E83018
274	HEXACHLOROBENZENE	UG/L	0.100	U	505	0.100	01/29/2016		E83018
306	BENZO(A)PYRENE	UG/L	0.0200	U	525.2	0.0200	02/06/2016		E83018
326	PENTACHLOROPHENOL	UG/L	0.0400	U	515.4	0.0400	02/11/2016		E83018
383	PCB	UG/L	0,100	U	505	0.100	01/29/2016		E83018
959	CHLORDANE	UG/L	0,0100	U	505	0.0100	01/29/2016		E83018

RADIONUCLIDES

62-550.310 (6)

REPORT NUMBER: 16010863 - 001

SYSTEM NAME:

EP-32 Pri/Sec & Ann. Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	RADIUM-226/228 COMBINED	PCVL	0.9	U	903.1/Ra-05	0,9	02/12/2016	10:54	E83033
1000	GROSS ALPHA	PCI/L	1.5	υ	900.0	1.5	02/05/2016	14:56	E83033
1020	RADIUM-226	PCI/L	0.2+/-0.1		903.1	0,1	02/12/2016	10:54	E83033
4030	RADIUM-228	PCI/L	0.9	U	Ra-05	0,9	02/11/2016	13:29	E83033

SECONDARY CONTAMINANTS

62-550.320

REPORT NUMBER: 16010863 - 001

SYSTEM NAME:

EP-32 Pri/Sec & Ann. Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1002	ALUMINUM	UG/L	23	U	200.7	23	01/28/2016	17:15	E84167
1017	CHLORIDE	MG/L	129		300,0	0,353	02/01/2016	14:23	E84167
1022	COPPER	UG/L	0.346	U	SM3113B	0.346	02/09/2016	12:21	E84167
1025	FLUORIDE,	MG/L	0.182		300.0	0.030	01/29/2016	13:20	E84167
1028	IRON	UG/L	44,4	1	200.7	29	01/28/2016	17:15	E84167
1032	MANGANESE	UG/L	0.98	U	200.7	0.98	01/28/2016	17:15	E84167
1050	SILVER	UG/L	0.700	1	200.7	0.5	01/28/2016	17:15	E84167
1055	SULFATE	MG/L	112		300.0	0,339	02/01/2016	14:23	E84167
095	ZINC	UG/L	35.2		200.7	1,4	01/28/2016	17:15	E84167
1930	TOTAL DISSOLVED SOLIDS	MG/L	560		SM2540C	7.26	01/28/2016	09:58	E84167
2905	SURFACTANTS	MG/L	2.37		SM5540C	0.03	01/27/2016	10:22	E84167

INORGANIC ANALYSIS

62-550.310 (1)

REPORT NUMBER: 16010863 - 002

SYSTEM NAME:

EP-32 Pri/Sec & Ann. Reclaimed

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LABID
1024	CYANIDE	MG/L	0.005	U 🦠	335.4	0.005	01/27/2016	12:22	E84167

DISINFECTION BYPRODUCTS

62-550.310 (3)

REPORT NUMBER: 16010863 - 002

SYSTEM NAME:

EP-32 Pri/Sec & Ann. Reclaimed

SYSTEM ID:

PARAMETER NAME		UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
CHLOROFORM		UG/L	27.0		624	0,5	01/29/2016	17:00	E84167
BROMOFORM		UG/L	1.58	1	624	0.5	01/29/2016	17:00	E84167
DICHLOROBROMOMETHANE		UG/L	15.2		624	0.5	01/29/2016	17:00	E84167
DIBROMOCHLOROMETHANE		UG/L	3.67		624	0.5	01/29/2016	17:00	E84167
TRIHALOMETHANES, TOTAL		UG/L	47.5		624	0.5	01/29/2016	17:00	E84167
	CHLOROFORM BROMOFORM DICHLOROBROMOMETHANE DIBROMOCHLOROMETHANE	CHLOROFORM BROMOFORM DICHLOROBROMOMETHANE DIBROMOCHLOROMETHANE	CHLOROFORM UG/L BROMOFORM UG/L DICHLOROBROMOMETHANE UG/L DIBROMOCHLOROMETHANE UG/L	CHLOROFORM UG/L 27.0 BROMOFORM UG/L 1.58 DICHLOROBROMOMETHANE UG/L 15.2 DIBROMOCHLOROMETHANE UG/L 3.67	CHLOROFORM UG/L 27.0 BROMOFORM UG/L 1.58 I DICHLOROBROMOMETHANE UG/L 15.2 DIBROMOCHLOROMETHANE UG/L 3.67	PARAMETER NAME UNITS RESULT QUALIFIER METHOD CHLOROFORM UG/L 27.0 624 BROMOFORM UG/L 1.58 I 624 DICHLOROBROMOMETHANE UG/L 15.2 624 DIBROMOCHLOROMETHANE UG/L 3.67 624	PARAMETER NAME UNITS RESULT QUALIFIER METHOD MDL CHLOROFORM UG/L 27.0 624 0,5 BROMOFORM UG/L 1.58 I 624 0,5 DICHLOROBROMOMETHANE UG/L 15.2 624 0,5 DIBROMOCHLOROMETHANE UG/L 3.67 624 0,5	PARAMETER NAME UNITS RESULT QUALIFIER METHOD MDL DATE CHLOROFORM UG/L 27.0 624 0,5 01/29/2016 BROMOFORM UG/L 1.58 I 624 0,5 01/29/2016 DICHLOROBROMOMETHANE UG/L 15.2 624 0,5 01/29/2016 DIBROMOCHLOROMETHANE UG/L 3.67 624 0,5 01/29/2016	PARAMETER NAME UNITS RESULT QUALIFIER METHOD MDL DATE TIME CHLOROFORM UG/L 27.0 624 0,5 01/29/2016 17:00 BROMOFORM UG/L 1.58 I 624 0,5 01/29/2016 17:00 DICHLOROBROMOMETHANE UG/L 15.2 624 0,5 01/29/2016 17:00 DIBROMOCHLOROMETHANE UG/L 3.67 624 0,5 01/29/2016 17:00

VOLATILE ORGANICS

62-550.310 (4) (a)

REPORT NUMBER: 16010863 - 002

SYSTEM NAME:

EP-32 Pri/Sec & Ann. Reclaimed

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2378	1,2,4-TRICHLOROBENZENE	₹JG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2380	CIS-1,2-DICHLOROETHENE	UG/L	0.5	IJ ^{§†}	624	0.5	01/29/2016	17:00	E84167
2955	XYLENES	UG/L	0,5	U	624	0.5	01/29/2016	17:00	E84167
2964	METHYLENE CHLORIDE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2968	O-DICHLOROBENZENE	UG/L	0,5	u U	624	0.5	01/29/2016	17:00	E84167
2969	PARA-DICHLOROBENZENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2976	VINYL CHLORIDE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2977	1,1-DICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2979	TRANS-1,2-DICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2980	1,2-DICHLOROETHANE	UG/L	0.5	≡ U	624	0.5	01/29/2016	17:00	E84167
2981	1,1,1-TRICHLOROETHANE	UG/L	0,5	U	624	0.5	01/29/2016	17:00	E84167
2982	CARBON TETRACHLORIDE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2983	1,2-DICHLOROPROPANE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2984	TRICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2985	1,1,2-TRICHLOROETHANE	UG/L	0.5	ľ	624	0,5	01/29/2016	17:00	E84167
2987	TETRACHLOROETHENE	UG/L	0.5	ប	624	0.5	01/29/2016	17:00	E84167
2989	MONOCHLOROBENZENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2990	BENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2991	TOLUENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2992	ETHYLBENZENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2996	STYRENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167

62-550.310 (4) (b)

REPORT NUMBER: 16010863 - 002

SYSTEM NAME:

EP-32 Pri/Sec & Ann. Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2931	1,2-DIBROMO-3-CHLOROPROPANE	UG/L	0.014	U	504.1	0.014	01/29/2016	14:00	E84167
2946	ETHYLENE DIBROMIDE	UG/L	0.01	U	504.1	0.01	01/29/2016	14:00	E84167

SECONDARY CONTAMINANTS

62-550.320

REPORT NUMBER: 16010863 - 002

SYSTEM NAME: ...

EP-32 Pri/Sec & Ann. Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1925	PH	UNITS	7.34	Q	SM4500H+B		01/26/2016	15:59	E84167

Dale D. Dixon /Laboratory Director

02/22/2016

Date

Tülay Tanrisever / QC Officer

Deborah A. Murphy / Project Manager

DATA QUALIFIERS THAT MAY APPLY:

- I = Reported value is between the laboratory MDL and the PQL, PQL = 4 x MDL,
- J = Estimated value.
- J3 = Estimated value, Quality control criteria for precision or accuracy not met,
- J4 = Estimated value. Sample matrix interference suspected.
- Q = Sample held beyond accepted hold time.
- U = Analyte analyzed but not detected at the value indicated.
- V = Analyte detected in sample and method blank. Results for this analyte in associated samples may be biased high. Standard. Duplicate, and Spike values are within control limits. Reported data are usable.

For questions and comments regarding these results, please contact us at (941) 723-9986. Results relate only to the samples.

NOTES:

ND = Not Detected at or above adjusted reporting limit. MBAS calculated as LAS; molecular weight = 340

X = Value exceeds MCL.

L = Off-scale high; reported concentration exceeds the highest standard.

There were several exceedance is the Spikes for Bis(2-ethlyhexyl)phthalate and Simazine, however the LCS validates both of the analysis.

Benchmark EnviroAnalytical, Inc.

1711 Twelfth Street East Palmetto, FL 34221 (941) 723-9986 (941) 723-6061 fax www.benchmarkea.com Client:

Charlotte County Utilities

East Port Water Reclamation Facility

3100 Loveland Blvd. Port Charlotte FL

Tel: 941-764-4595 Fax: 941-627-4603

Chain of Custody Form: East Port Primary & Secondary Analysis Annual Reclaimed Water (Jan.) Sample Matrix²: WW

Laboratory Submission #:

16010862

Sample ID	Sample	Sb, As, Ba,		Gross Alpha		MBAS	Dioxin			SOC's (I	Pesticides and PCB	°s)	ISSUAL	Œ	THM's	CN	pН	Lab ID#
	Type'	Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn	TDS NO ₂ (SM4500) Fluoride	Rad 226 & 228 Radium 226/228 Combined	NO₃			507 548.1 547	Semi- volatiles 525.2	505	Diquat 549.2	531.1	Herbicides 515.4	B/DBCP 504	VOCs 624 (21) ***		****	
		1:4HNO; pH<2	Plain	1;4 HNO₃ pH<2 t2	1:4 H ₂ SO ₄ pH<2 to	Plain	Plain	Na ₂ S ₂ O ₃	Na ₂ SO ₃ 1:1 HCl**	Na ₂ S ₂ O ₃	Na ₂ S ₂ O ₃	Na₂S₂O₃ MCAA	Na ₂ S ₂ O ₃	NaThlo	NaThio 1:1 HCl*	NaOH	Plain	
ļ		l x I Quart Plastic	l x 1 Quart Plastic	1 x 2 Quart Plastic	1 x ½ pint Plastic	I x I Quart Plastic	2 x 950mL Glass	2 x 1 Lt. Amber Glass	l x l Liter Glass	2 x 40mL Glass Vials	1 x 250mL Opaque Plastic	I x 40mL Glass Vial	i x 150mL Glass	2 x 40mL Glass Vials	3 x 40mL Glass Vials	1 x 250mL Plastic	1 x ½ Pint Plastic	
		Start Date & Tin	ne: / - 2 3	-16 06	45						-				15 312			
EP-32	Comp.	End Date & Tim	e: /~ ZC	-16 = 06	15-	•	•	•	•	•	•	•	•					1
	Grab													Date & Tim /-26	-16 06	150	•	2

*Add 3 drops of HCl to each bottle.

**Add entire vial of HCl to each sample bottle.

*** Fill all 3 vials completely; there can be NO AIR BUBBLES.

**** pH received after 15 minute hold time, ok to run analysis.

Field pH: 7. / Field Turbidity: 18

"Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).

2 "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), soil, sediment (SDMNT), or sludge (SLDG).

3 "Container Type" is used to indicate whether the container is plastic (P) or glass (G).

Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F). Under "Preservative." list any preservatives that were added to the sample container.

Instructions:

1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.

2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.

3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.

4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Laboratory Sample Acceptability: pH <2: 🖫

BEA Temperature:) 80

1	Collector. MM CW	1-26-16 Time: 6703	Received By:	Date: 1-26/16 Time: 0703
2	Relinculated by:	1.210-110 Time: 1105	Bry Haubein	1122/16 Time: 1105
3	Relinguished by: Omy Haubein	1 26 16 Time: 1/44	Received By:	Date: 146/16 Torne: 1444-
4	Relinquished by:	1/26/11 Time: 1415	- The Full	1646116 1415

INTERLABORATORY SAMPLE TRANSMITTAL FORM

Benchmark E 1711 12th Stree	InviroAnalytical, et East	Inc.			561		15	I	Date:			01/26/16		<i>B</i> 0.
Palmetto, FL:								f	of Samples	:	1	Total # of Bo	tles:	1
(941) 723-9986 (941) 723-6061								1	Method of SI	nipment:		Courier		·
	eck:				×			S	Subcontract I	Laboratory:	545 Ph	Florida Radiochem 6 Hoffner Ave, #201 Orla one: 407-382-7733 Fax: 4	ndo, Fl. 32	812 44
outh Cherr.		BUSIN	NESS]	DAY 7	[.A.T.]	PLEAS	SE	f	'age		1	of	ī.	l
	poratory	Colle	ection	Sample	Collection	Preservativ	vc		Contai	ner	P.	arameters	Eield (Conductivity
	nission #	Date	Time	Matrix*	Method**			Qty	Capacity		-	a arriororo		us/om
1601	10863-1	01/26/16	0615	ww	24 Hr. Comp.	1:4 HNO	ر ا	1	2 Qt	Р	Gross Alpha,	Radium 226 & 228		
	····			-					-					
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						ļ	-		<u> </u>		<u> </u>		<u> </u>	
* Sample Matrix abbre ** Sample Method abb *** Container Type abl	viations Groundwater (G previations Grab (G), Cor breviations: Plastic (P), G	W), Surface Water aposite (C), 24 Ho Hass (G).	(SW), Saline Sur Composite (2	Surface Water (S 4HR Comp.)	SW), Fresh Surfa	ce Water(FSW), I	Orinking	Water	DW), Sludge (SI	dg), Solid (Sol), Sol	(Soil), Domestic Efflue	nt (Dam Eff), Industrial Effli	ent (Ind Eff	
Relinquished By:	Sign Name:	Au	$\overline{}$			Date:			Received By:	M. A	burn		Date: 2	376
(Benchmark)	Print Name:	1	Annah	Jensen		Time:			٠,٠	MIKE	Dellare-		Time:	
Relinquished By:	Sign Name:	U	T-101			Date:		2/	Received By:	7 54 /	WI THE WAR		Date:	
	Print Name:	7/			1.9/1	Time:			~,.		2		ime:	

Benchmark EnviroAnalytical, Inc. 1711 12th Street East

1711 12th Street East Palmetto Fl 34221 941-723-9986 Flowers Chemical Laboratories, Inc. 481 Newburyport Ave.

481 Newburyport Ave. Altamonte Springs Fl 32701 407-339-5984

Sar	npled By: Clier	11			Project Name (Nu	ımb	er)	: 16	501	08	63	(EP-32)	A		m:		P.O.#		-
Ma	trix's:				Client Contact: A	nnal	ı Je	ens	en	/ <u>C</u>	ale	Dixon		 Email Re	eport: Br	ettina Be	ilfuss / Det	orah Mura	bu
GW	/- Ground water	DW- Drit	iking wa	ater	FCL Project Mana			_									Mado / Dec		11 y
SW	- Surface water	S- Soil/so	olid		Requested Due Date: 10		-				2.511		**************************************		Rush	Charges N	fay Apply		- 1F-
	Sludge	WW- Wa	ste wate	1	Pick-up Fee; \$		-		-				7	/ehicle Sura					
Item No.	Sample ID	Date	Time	Matrix	(Lab Ose Omy)				vati	ves				Ana	lysis Requ	est		Comments	GIS
					Lab. NO.	Monoclacid	1.4 H ₅ SO,	LAHNOL	I J HCI	Na ₂ S ₂ O ₁	Na;SO, - HCI	507/548.1 /547	525,2	505	Diquat 549	531,1	515.4	2.600 pha 2	Total # of Containers
1				ww			7			x		X	-					-	2
2				ww	-						Х		X					1	1
3	16010863-1	01/26/16	0615	ww	288823 wul				1	х				X		1	ļ	1	2
4	10010000-1	01/20/10	0615	WW					T	x				ļ	X			24 Hr. Composite	
5				WW		Х			7	х					· · · · ·	X	ļ	1	
6				WW				1	7	x				ļ		<u> </u>	X	+	\vdash
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Re	linquished By / Affihat	ion Date	: Time	e A	ccepted By / Affiliation	Date	+	Tin	ne I	L.	Lina	uished By / A	ffiliation	Date	Time	A manuful D	LA PENERS		
Ann	ah Jensen/BEA	01/27/	16 0830	-			1					matter by / A	augi	Line	THIS	Accepted B	y / Affiliation	1 1	38

INTERLABORATORY SAMPLE TRANSMITTAL FORM Benchmark EnviroAnalytical, Inc. Date: 1711 12th Street East 01/26/16 Palmetto, FL 34221 Station ID: (941) 723-9986 EP-32 # of Samples: (941) 723-6061 fax Total # of Bottles: WWW.Benchmarkea.com 2 Method of Shipment: UPS - 2 Day Air Office QC Check: Subcontract Laboratory: Bottle Check: 160 11424-601 (5) Summit Environmental 3310 Win Street Cuyahoga Falls, Ohio. 44223 (330) 253-8211 Page of Laboratory Collection. Sample Collection Preservative Container Submission # Parameters Matrix Method² Date Time Comments Qly Capacity Type 16010863-1 01/26/16 0615 WW 24 Hr. Plain 950mL G Dioxin Composite "Sample Matrix" abbreviations: Groundwater (GW), Surface Water (SW), Drinking Water (DW), Sludge (Sldg), Solid (Sol), Soil (Soil), Domestic Effluent (Dom Eff), Industrial Effluent (Ind Eff)
"Container Type" abbreviations: Plastic (P), Glass (G) Relinquished Sign Name: Date: 01/26/16 Received By: Date: Print Name: Annah Jensen By: Time: (Benchmark) UPS 11000 Time: Relinquished Sign Name: Date: Received Date: Print Name: By: Time:

BENCHMARK

EnviroAnalytical Inc.



FDOH Certification #E84167

Charlotte County Utilities 25550 Harbor View Rd., Unit 1 Port Charlotte, FL 33980

Sandra Lavoie

ANALYTICAL TEST REPORT THESE RESULTS MEET NELAC STANDARDS

INORGANIC ANALYSIS

62-550.310 (1)

REPORT NUMBER: 16010864 - 001

SYSTEM NAME:

RP-8 Pri/Sec & Ann. Reclaimed

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1040	NITRATE NITROGEN	MG/L	11.5		353.2	0.004	01/26/2016	15:49	E84167
1041	NITRITE NITROGEN	MG/L	0.003	U	SM4500NO2B	0.003	01/26/2016	15:49	E84167
1038	NITRATE+NITRITE AS N	MG/L	11.5		353.2	0.004	02/02/2016	14:38	E84167
1005	ARSENIC	UG/L	1.08	1	SM3113B	0.689	01/28/2016	15:22	E84167
1010	BARIUM	UG/L	13.4		200.7	2	01/28/2016	17:19	E84167
1015	CADMIUM	UG/L	0.9	U	200.7	0.9	01/28/2016	17:19	E84167
1020	CHROMIUM	UG/L	2.40	T.	200.7	2	01/28/2016	17:19	E84167
1025	FLUORIDE	MG/L	0_125		300.0	0.030	01/29/2016	14:00	E84167
1030	LEAD	UG/L	0.670	U	SM3113B	0.670	01/29/2016	18:00	E84167
1035	MERCURY	UG/L	0_198	U	245.1	0.198	01/28/2016	11:30	E84167
1036	NICKEL	UG/L	1.18	U	200.7	1.18	01/28/2016	17:19	E84167
1045	SELENIUM	UG/L	1,57	U	SM3113B	1.57	02/01/2016	11:42	E84167
1052	SODIUM	MG/L	100		200.7	0.034	01/28/2016	17:19	E84167
1074	ANTIMONY	UG/L	2.26	U	SM3113B	2,26	02/02/2016	18:39	E84167
1075	BERYLLIUM	UG/L	0,078	U	200,7	0.078	01/28/2016	17:19	E84167
1085	THALLIUM	UG/L	0.981	U	200.9	0.981	02/03/2016	13:11	E84167

62-550.310 (4) (b)

REPORT NUMBER: 16010864 - 001

SYSTEM NAME:

RP-8 Pri/Sec & Ann. Reclaimed

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2005	ENDRIN	UG/L	0.0100	U	505	0,0100	01/29/2016		£83018
2010	LINDANE (G-BHC)	UG/L	0.0100	υ	505	0.0100	01/29/2016		E83018
2015	METHOXYCHLOR	UG/L	0.0500	U	505	0.0500	01/29/2016		E83018
2020	TOXAPHENE	UG/L	0.500	U	505	0,500	01/29/2016		E83018
2031	DALAPON	UG/L	0.100	U	515.4	0,100	02/11/2016		E83018
2032	DIQUAT	UG/L	0.400	U	549.2	0.400	02/02/2016		E83018
2033	ENDOTHALL	UG/L	9.00	U	548.1	9.00	02/06/2016		E83018
2034	GLYPHOSATE	UG/L	6.00	U	547	6.00	02/02/2018	0	E83018
2035	DI(2-ETHYLHEXYL)ADIPATE	UG/L	0.600	U	525.2	0.600	02/06/2016		E83018
2036	OXAMYL	UG/L	2.00	U	531_1	2.00	02/05/2016		£83018
2037	SIMAZINE	UG/L	0.0700	U	507	0.0700	02/08/2016		E83018
039	DI(2-ETHYLHEXYL)PHTHALATE	UG/L	30.1	L	525.2	0.600	02/06/2016		E83018
040	PICLORAM	UG/L	0.100	U	515.4	0.100	02/11/2016		E83018
041	DINOSEB	· UG/L	0.200	U	515.4	0.200	02/11/2016		E83018
042	HEXACHLOROCYCLOPENTADIENE	UG/L	0.100	IJ	505	0.100	01/29/2016		E83018
046	CARBOFURAN	UG/L	0.900	U	531.1	0.900	02/05/2016		E83018
050	ATRAZINE	UG/L	0.100	U	507	0.100	02/08/2016		E83018
051	ALACHLOR (LASSO)	UG/L	0.200	U	507	0.200	02/08/2016		E83018
063	2,3,7,8-TCDD	PG/L	1.37	U	1613B	1.37	02/03/2016		E87688
065	HEPTACHLOR	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
067	HEPTACHLOR EPOXIDE	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
105	2,4-D	UG/L	0.100	U	515.4	0.100	02/11/2016		E83018
110	2,4,5-TP (SILVEX)	UG/L	0.200	U	515,4	0.200	02/11/2016		E83018
274	HEXACHLOROBENZENE	UG/L	0.100	U	505	0.100	01/29/2016		E83018
306	BENZO(A)PYRENE	UG/L	0.0200	U	525,2	0.0200	02/06/2016		E83018
326	PENTACHLOROPHENOL	≅ UG/L	0.0400	U	515.4	0,0400	02/11/2016		E83018
383	PCB	UG/L	0,100	U	505	0.100	01/29/2016		E83018
59	CHLORDANE	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018

RADIONUCLIDES

62-550.310 (6)

REPORT NUMBER: 16010864 - 001

SYSTEM NAME:

RP-8 Pri/Sec & Ann. Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	RADIUM-226/228 COMBINED	PCI/L	0.8	U	903.1/Ra-05	8,0	02/12/2016	10:54	E83033
4000	GROSS ALPHA	PCI/L	1.8	U	900.0	1.8	02/05/2016	14:56	E83033
4020	RADIUM-226	PCI/L	0.4+/-0.2	**	903.1	0.2	02/12/2016	10:54	E83033
4030	RADIUM-228	PCI/L	0,8	U	Ra-05	8,0	02/11/2016	14:37	E83033

SECONDARY CONTAMINANTS

62-550.320

REPORT NUMBER: 16010864 - 001

SYSTEM NAME:

RP-8 Pri/Sec & Ann. Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1002	ALUMINUM	UG/L	32.7	1	200.7	23	01/28/2016	17:19	E84167
1017	CHLORIDE	MG/L	140		300.0	0,353	02/01/2016	14:39	E84167
1022	COPPER	UG/L	4.18		SM3113B	0.346	02/09/2016	12:27	E84167
1025	FLUORIDE.	MG/L	0.125		300,0	0.030	01/29/2016	14:00	E84167
1028	IRON	UG/L	68.5	I.	200.7	29	01/28/2016	17:19	E84167
1032	MANGANESE	UG/L	4.30		200.7	0.98	01/28/2016	17:19	E84167
1050	SILVER	UG/L	0.800	D.	200,7	0,5	01/28/2016	17:19	E84167
1055	SULFATE	MG/L	85,5		300.0	0,339	02/01/2016	14:39	E84167
1095	ZINC	UG/L	44.6		200,7	1.4	01/28/2016	17:19	E84167
1930	TOTAL DISSOLVED SOLIDS	MG/L	584		SM2540C	7.26	01/28/2016	09:58	E84167
2905	SURFACTANTS	MG/L	0.194	G	SM5540C	0.03	01/27/2016	10:22	E84167

INORGANIC ANALYSIS

62-550.310 (1)

REPORT NUMBER: 16010864 - 002

SYSTEM NAME:

RP-8 Pri/Sec & Ann. Reclaimed

PARAMETER ID	PARAMETER NAME	2.	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1024	CYANIDE		MG/L	0.005	U	335.4	0.005	01/27/2016	11:45	E84167

DISINFECTION BYPRODUCTS

62-550.310 (3)

REPORT NUMBER: 16010864 - 002

SYSTEM NAME:

RP-8 Pri/Sec & Ann. Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME		UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2941	CHLOROFORM		UG/L	90.0		624	0,5	01/29/2016	17:00	E84167
2942	BROMOFORM	8	UG/L	1.87	Î	624	0.5	01/29/2016	17:00	E84167
2943	DICHLOROBROMOMETHANE		UG/L	53.5		624	0.5	01/29/2016	17:00	E84167
2944	DIBROMOCHLOROMETHANE		UG/L	14.0		624	0.5	01/29/2016	17:00	E84167
2950	TRIHALOMETHANES, TOTAL		UG/L	159		624	0.5	01/29/2016	17:00	E84167

VOLATILE ORGANICS

62-550.310 (4) (a)

REPORT NUMBER: 16010864 - 002

SYSTEM NAME:

RP-8 Pri/Sec & Ann. Reclaimed

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2378	1,2,4-TRICHLOROBENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2380	CIS-1,2-DICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2955	XYLENES	UG/L	0,5	U	624	0.5	01/29/2016	17:00	E84167
2964	METHYLENE CHLORIDE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2968	O-DICHLOROBENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2969	PARA-DICHLOROBENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2976	VINYL CHLORIDE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2977	1,1-DICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2979	TRANS-1,2-DICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2980	1,2-DICHLOROETHANE	UG/L	0.5	IJ	624	0.5	01/29/2016	17:00	E84167
2981	1,1,1-TRICHLOROETHANE	UG/L	0,5	U	624	0,5	01/29/2016	17:00	E84167
982	CARBON TETRACHLÖRIDE	UG/L	0,5	U	624	0,5	01/29/2016	17:00	E84167
2983	1,2-DICHLOROPROPANE	UG/L	D.5	Ü	624	0.5	01/29/2016	17:00	E84167
2984	TRICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2985	1,1,2-TRICHLOROETHANE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
987	TETRACHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2989	MONOCHLOROBENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2990	BENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2991	TOLUENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2992	ETHYLBENZENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2996	STYRENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167

62-550.310 (4) (b)

REPORT NUMBER: 16010864 - 002

SYSTEM NAME:

RP-8 Pri/Sec & Ann. Reclaimed

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL,	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2931	1,2-DIBROMO-3-CHLOROPROPANE	UG/L	0.014	U	504.1	0.014	01/29/2016	14:00	E84167
2946	ETHYLENE DIBROMIDE	UG/L	0.01	ឋ	504.1	0.01	01/29/2016	14:00	E84167

SECONDARY CONTAMINANTS

62-550.320

REPORT NUMBER: 16010864 - 002

RP-8 Pri/Sec & Ann. Reclaimed

SYSTEM ID:

SYSTEM NAME:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1925	PH	UNITS	7.36	Q	SM4500H+B		01/26/2016	15:59	E84167

Dale D. Dixon / Laboratory Director

02/22/2016

Date

Tülay Tanrisever / QC Officer

Deborah A. Murphy / Project Manager

DATA QUALIFIERS THAT MAY APPLY:

- I = Reported value is between the laboratory MOL and the PQL, PQL = 4 x MDL,
- J = Estimated value.
- J3 = Estimated value, Quality control criteria for precision or accuracy not met. J4 = Estimated value. Sample matrix interference suspected.
- Q = Sample held beyond accepted hold time.
- U = Analyte analyzed but not detected at the value indicated.
- V = Analyte detected in sample and method blank, Results for this analyte in associated samples may be biased high. Standard, Duplicate, and Spike values are within control limits. Reported data are usable.

For questions and comments regarding these results, please contact us at (941) 723-9986. Results relate only to the samples,

NOTES:

ND = Not Detected at or above adjusted reporting limit, MBAS calculated as LAS; molecular weight = 340

X = Value exceeds MCL.

L = Off-scale high; reported concentration exceeds the highest standard.

There were several exceedance is the Spikes for Bis(2-ethlyhexyl)phthalate and Simazine, however the LCS validates both of the analysis.

Benchmark EnviroAnalytical, Inc.

1711 Twelfth Street East Palmetto, FL 34221 (941) 723-9986 (941) 723-6061 fax WWW.benchmarkea.com Client: Charlotte County Utilities

Rotonda WWTP 3740 Kendali Rd

Rotonda, West FL 33947

Tel: 941-697-0269 Fax: 941-697-1622

Chain of Custody Form: Rotonda Primary & Secondary Analysis Annual Reclaimed Water (Jan.)
Sample Matrix²: WW

Laboratory
Submission #:

4010864

Sample 1	viairix	: W W						74-7			Dubini	BBIOII AT	a der myala		THE DEC. 1			123120
Sample	Sample	Sb, As, Ba, Be,	Dioxin	Gross a,	MBA\$	NO ₃ -NO ₂	Cl' SO ₄			SOC's (Pesticide	s and PCB's)			CN-	THM's	EDI	pH ****	Lab ID#
ID	Type'	Cd, Ćr, Pb, Hg, Ni, Se, Na, Ti Al, Cu, Fe, Mn, Ag, Zn		Radium-226 & 228 Radium 226/228 Combined		NO ₃	TDS NO ₂ (SM4500) Fluoride	Carabamates 531_1	507 548 547	Herbicides 515.3	Semi- Volatiles 525.2	Glyphosate 547	Diquat 549.2		VOCs (21) 624 ***	EDB/DBCP 504	***	10#
		1: 4 HNO ₁ pH	Plain	1:4 HNO ₁ pH·2 a	Plain I x I Quart	l:4 H;\$O₁ pH<2 @ l x ½ Pint	Plain	MCAA Na ₂ S ₂ O ₃	Na ₁ S ₂ O ₃	Na ₂ S ₂ O ₃	Na ₃ S ₃ O ₃ 1:1 IICl^*	Na ₃ S ₂ O ₃	Na ₂ S ₂ O ₃ I x 250mL	NaOH pH>9 c	NaThic 1:1 HCl [*] J x 40mL	Na ₂ S ₂ O ₃ 2 x 40mL	Plain	
		Plastic	Glass	Plastic	Plastic	Plastic	Plastic	Glass Vials	Liter Glass	Glass	Liter Glass	Glass Vials	Opaque Plastic	Plastic	Glass Vials***	Glass Vials	Plastic	
RP-8	Comp.	Start Date & Time: 1/2 End Date & Time: 1/2		0800 0800	*	•		16	•	•	•		4					1
	Grab	AMENDA AM												Date & 11me;	1.	800	3	2
		The second secon	* A d	d 3 drops of H	CI to age	h hattle		*** Fill s	Il 3 vials	completely:	there can	be NO AIR I	BUBBLE	S. "				

*Add 3 drops of HCl to each bottle.

*** Fill all 3 vials completely; there can be NO AIR BUBBLES

**Add entire vial of HCl to sample bottle.

****pH received after 15 minute hold time, ok to run analysis.

Field pH: 6.39 Field Turbidity: 4.08

					Field bit: 0.00 Lield Intelligits:
1 2 3	"Sample Type" is used to indicate whether the sample was a grab (G) or whether it was "Sample Matrix" is used to indicate whether the sample is being discharged to drinking "Container Type" is used to indicate whether the container is plastic (P) or glass (G). Sample must be refrigerated or stored in wel ice after collection. The temperature	water (DW), groundwater (G			
2. The fa 3. All bo	Under "Preservative," list any preservatives that were added to the sample container.	ole type, client ID, and param ink: date and time of collect	eters for analysis, ion, sampler's name or	8	Laboratory Sample Acceptability: pH <2 : ☐── BEA Temperature: . 8
1	Collector,	Dele: 1/26/16	TIMO 820	Received By. Col Carnet	Date: 1-26-16 Time: 0825
2	Reinquished by:	Date; 1-26-16	Time: 09/8	Received By:	Dale: 1726/16 Time: 0918
3	Reinquished by:	Date:	Time	Received By Harbeit	Date 24 de de 1408
4	Ratinguistros by: Omn Hambein	12616	Time:	Received For Lab By:	Dato: //6 /16 /14-4
	1 ACC	ibilis	1415	gust grown	1/22/16 1913

			,	HOLERAL.	ADUKAI	OKY SAMP	กุล ก	KANSMIT	TALFORM				
Benchmark Ed 1711 12th Street	nviroAnalytical,	Inc.	6					Date:			01/26/16		0.0
Palmetto, FL3	34221	•		11				of Samples	;	1 1	Total # of Bott	les:	l ;
(941) 723-9986 (941) 723-6061).5					Method of Si	nipment:		Courier		
Office QC Che	eck:			¥1	× e			Subcontract I	Laboratory;	5456 I Phon	Florida Radiochemis foffner Ave. #201 Orlan e: 407-382-7733 Fax: 40	do, Fl. 328.	12
Bottle Check:		BUSIN	(ESS.)	DAY J	Г. А.Т.]	PLEASE		^J age	i i i i i i i i i i i i i i i i i i i		of		1
	oratory	Colle	ection	Sample	Collection	Preservative		Contai	ner	Para	ameters	Field Co	onductivity
Subm	ission #	Date	Time	Matrix*	Method**	, a	Qty	Capacity	Type***				s/cm
1601	0864-1	01/26/16	0800	ww	24 Hr. Comp.	1:4 HNO ₃	I	2 Qt	Ъ,	Gross Alpha, R	adium 226 & 228		
	2												
	12												
											727		

													* 4
								7					
					HENVE DESCRIPTION The					* * *	· N		
	viations: Groundwater (G reviations: Grab (G), Con breviations: Plastia (P), G		(SW), Saline our Composite (Surface Water (S 2411R Comp.).	SSW), Fresh Surfa	ce Water(FSW), Drink	cing Water	(DW), Sludge (SI	dg), Solid (Sel), Soil (Soil), Domestic Effluent	(Dom Eff), Industrial Efflue	nt (Ind Eff).	
Relinquished By:	Sign Name:	41	\sim	1)	Date:		Received By:	MAD	Uma -	To	Pace: 2-5	IN
(Benchmark)	Print Name:	- Y	Annah	Jensen	4	Time:		٥,,	MIKEN	prin Any	, T	ime:	50
Relinquished By:	Sign Name:					Date:		Received By:		ie v. ze inspy		rate;	
	Print Name:					Time:		-) .			- 1 1 T	ime:	

Benchmark EnviroAnalytical, Inc. 1711 12th Street East

Palmetto FI 34221 941-723-9986

Flowers Chemical Laboratories, Inc. 481 Newburyport Ave. Altamonte Springs Fl 32701 407-339-5984

Sa	mpled By: Clien	nt			Project Name (No	mil	er'	1. 1	60	10	061	(D.D. 0)			-			T		
Ma	atrix's:							_						1				P.O.#		
	V- Ground water	DW D	1.1		Client Contact: A				*****			***************************************		Ema	I Re	port: B	Bettina Be	eilfuss / Del	orah Mu	phy
		DW- Drii		ater	FCL Project Man						vers	s / Shawn	Parl	ks			(4)			
	- Surface water	S- Soil/so			Requested Due Date: 10	0 Day	y St	and	ard	OT						Rus	h Charges A	đay Apply		
f	Sludge	WW- Wa	ste wate	r	Pick-up Fee; \$									Vehicle	Surch	harge \$:		- 12 - 12 - 13 - 13 - 13 - 13 - 13 - 13		
Item No,	Sample ID	Date	Time	Matrix	(Lab Use Only)	T	1	rese	rvat	ives		1				ysis Req	uesi	*** (()) (a)	Comme	. 18
					Lab. NO.	Monoclacid	1.4 H.SO.	1.4 HNO.	1-1 HCI	Na;S;O,	Na;50, + HCI	507/548.1	525.	2 ;	505	Diqual 549		515,4	Z.6°	# of Contain
1				ww		1				X		X		-				ļ		J Total
2				WW					-		X		X	+				 	-	2
3	17010074 1		ī	WW	288824mul	1-		-		X	-			-	×			 	4	
4	16010864-1	01/26/16	0800	WW	300-1	-			-	X							<u> </u>		24 Hr.	2
5				WW		+-1			-	-				-	_	X			Composite	
6						X		_	_	X							X			1
7				WW			_	_	_	X				-				Х		1
8						\vdash	_		-	-	1-			<u> </u>	_					
9	1					Н	+	-	-	+				-			-		ļ	
10						\vdash	+	-	-	+			- 2	-						
Rel	inquished By / Affiliati	ion Date	Time	Ac	ecepted By / Affiliation	Date	1	Tin	100	P	l	tiched Day / 4.6	T.C	1						
Ann	ah Jensen/BEA	01/27/	16 0830			Diff	+	110		- IX	cunqi	uished By / Af	HIII	on D	ate	Time	Accepted By	y / Affiliation	1-1-1-	Time
				-				*110.00									-7	-5 11	27/16/1	138

INTERLABORATORY SAMPLE TRANSMITTAL FORM

Benchmark EnviroAnalytical, inc.

1711 12th Street East
Palmetto, FL 34221
(941) 723-9986
(941) 723-9986
(941) 723-6061 fax

WWW.Benchmarkea.com

INTERLABORATORY SAMPLE TRANSMITTAL FORM

Date:
Station iD:
of Samples:
of Samples:

Method of Shipment:

Office QC Check: _____ Bottle Check: ____

Date:		01/26/16	
Station ID:		RP-8	
# of Samples:	1	Total # of Bottles:	2
Method of Shipment:		UPS - 2 Day Air	
Subcontract Laboratory:		Summit Environmental 3310 Win Street Cuyahoga Falls, Ohio, 44223 (330) 253-8211	
Page	1	pf	1

Laboratory	Collec	ction	Sample		Preservative		Containe	V	Parameters	Comments
Submission #	Date	Time	Matrix*	Method ²		Qty	Capacity	Type ³		
16010864-1	01/26/16	0800	WW	24 Hr. Composite	Plain	2	950mL	G	Dioxin	
	-									
- 10 - m								10	011673-001	***
5X 41(44)	-	V				-		V	16	
	1		-							

1. "Sample Matrix" abbreviations: Groundwater (GW), Surface Water (SW), Drinking Water (DW), Sludge (Sldg), Solid (Sol), Solid (Soil), Domestic Effluent (Dom Eff), Industrial Effluent (Ind Eff)

2. "Sample Method" abbreviations: Grab (G), Composite (G)

Relinquished	Sign Name		Date:	01/26/16	Received		Date:	
By: (Benchmark)	Print Name:	Annah Jensen	Time;	1600	By:	UPS	Time:	
Relinquished	Sign/Name:	1	Date:		Received	(1)	Date:	1/20/16
Ву:	Print Name:	(2) (30)	Time:		Ву:	· · · · · · · · · · · · · · · · · · ·	Time:	104

BENCHMARK





FDOH Certification #E84167

Charlotte County Utilities 25550 Harbor View Rd., Unit 1 Port Charlotte, FL 33980

Sandra Lavoie

ANALYTICAL TEST REPORT THESE RESULTS MEET NELAC STANDARDS

INORGANIC ANALYSIS

62-550.310 (1)

REPORT NUMBER: 16010865 - 001

SYSTEM NAME:

WP-14 Pri/Sec Annual

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1040	NITRATE NITROGEN	MG/L	10.8		353.2	0.004	01/26/2016	16:08	E84167
1041	NITRITE NITROGEN	MG/L	0.515		SM4500NO2B	0.003	01/26/2016	16:08	E84167
1038	NITRATE+NITRITE AS N	MG/L	11.3		353.2	0.004	02/02/2016	14:46	E84167
1005	ARSENIC	UG/L	0.981	1	SM3113B	0.689	01/28/2016	14:51	E84167
1010	BARIUM	UG/L	11.3		200.7	2	01/28/2016	17:01	E84167
1015	CADMIUM	UG/L	0.9	U	200.7	0.9	01/28/2016	17:01	E84167
1020	CHROMIUM	UG/L	2	U	200.7	2	01/28/2016	17:01	E84167
1025	FLUORIDE	MG/L	0.126		300.0	0.030	01/29/2016	14:20	E84167
1030	LEAD	UG/L	0.670	U	SM3113B	0.670	01/29/2016	17;33	E84167
1035	MERCURY	UG/L	0,198	U	245,1	0.198	01/28/2016	11:30	E84167
1036	NICKEL	UG/L	1.70	1	200.7	1.18	01/28/2016	17:01	E84167
1045	SELENIUM	UG/L	1,57	U	SM3113B	1,57	02/01/2016	11:15	E84167
1052	SODIUM	MG/L	91.9		200.7	0.034	01/28/2016	17:01	E84167
1074	ANTIMONY	UG/L	2.26	U	SM3113B	2.26	02/02/2016	17:47	E84167
1075	BERYLLIUM 1	UG/L	0.078	U	200.7	0.078	01/28/2016	17:01	E84167
1085	THALLIUM	UG/L	0.981	U	200.9	0,981	02/03/2016	11:55	E84167

62-550.310 (4) (b)

REPORT NUMBER: 16010865 - 001

SYSTEM NAME:

WP-14 Pri/Sec Annual

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2005	ENDRIN	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
2010	LINDANE (G-BHC)	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
2015	METHOXYCHLOR	UG/L	0.0500	U	505	0.0500	01/29/2016		E83018
2020	TOXAPHENE	UG/L	0.500	U	505	0.500	01/29/2016		E83018
2031	DALAPON	UG/L	0,100	Ŭ	515.4	0.100	02/11/2016		E83018
2032	DIQUAT	UG/L	0.400	U	549.2	0.400	02/02/2016		E83018
2033	ENDOTHALL	UG/L	9.00	U	548.1	9.00	02/06/2016		E83018
2034	GLYPHOSATE	UG/L	6.00	U	547	6.00	02/02/2016		E83018
2035	DI(2-ETHYLHEXYL)ADIPATE	UG/L	0.600	U	525.2	0.600	02/06/2016		E83018
2036	OXAMYL	UG/L	2.00	Ū	531.1	2.00	02/05/2016		E83018
2037	SIMAZINE	UG/L	0.0700	U	507	0.0700	02/08/2016		E83018
2039	DI(2-ETHYLHEXYL)PHTHALATE	UG/L	1.96		525.2	0.600	02/06/2016		E83018
2040	PICLORAM	UG/L	0.100	U	515,4	0,100	02/11/2016		E83018
2041	DINOSEB	UG/L	0.200	U	515.4	0.200	02/11/2016		E83018
2042	HEXACHLOROCYCLOPENTADIENE	UG/L	0.100	U	505	0.100	01/29/2016		E83018
2046	CARBOFURAN	UG/L	0.900	U	531.1	0.900	02/05/2016		E83018
2050	ATRAZINE	UG/L	0.100	U	507	0.100	02/08/2016		E83018
2051	ALACHLOR (LASSO)	UG/L	0.200	U	507	0.200	02/08/2016		E83018
2063	2,3,7,8-TCDD	PG/L	1.34	U	1613B	1.34	02/03/2016		E87688
2065	HEPTACHLOR	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
2067	HEPTACHLOR EPOXIDE	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
2105	2,4-D	UG/L	0.100	U	515,4	0.100	02/11/2016		E83018
2110	2,4,5-TP (SILVEX)	UG/L	0.200	U	515.4	0.200	02/11/2016		E83018
2274	HEXACHLOROBENZENE	UG/L	0.100	U .	505	0.100	01/29/2016		E83018
2306	BENZO(A)PYRENE	UG/L	0,0200	υ	525.2	0.0200	02/06/2016		E83018
2326	PENTACHLOROPHENOL	. UG/L	0.0400	U	515.4	0.0400	02/11/2016		E83018
2383	PCB	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018
2959	CHLORDANE	UG/L	0.0100	U	505	0.0100	01/29/2016		E83018

RADIONUCLIDES

62-550.310 (6)

REPORT NUMBER: 16010865 - 001

SYSTEM NAME:

WP-14 Pri/Sec Annual

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	RADIUM-226/228 COMBINED	PCI/L	8,0	U	903,1/Ra-05	0.8	02/12/2016	10:54	E83033
4000	GROSS ALPHA	PCI/L	1.6	U	900.0	1.6	02/05/2016	14:56	E83033
4020	RADIUM-226	PCI/L	0.2+/-0.2		903.1	0.2	02/12/2016	10:54	E83033
4030	RADIUM-228	PCI/L	0.8	U .	Ra-05	8.0	02/11/2016	14:37	E83033

SECONDARY CONTAMINANTS

62-550.320

REPORT NUMBER: 16010865 - 001

SYSTEM NAME:

WP-14 Pri/Sec Annual

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	COLOR PH	UNITS	7.18		SM4500H+B		01/26/2016	16:54	E84167
1002	ALUMINUM	UG/L	26.3	1	200.7	23	01/28/2016	17:01	E84167
1017	CHLORIDE	MG/L	96.9		300.0	0.353	02/01/2016	17:13	E84167
1022	COPPER	UG/L	0.660	I	SM3113B	0.346	02/09/2016	12:34	E84167
1025	FLUORIDE.	MG/L	0.126		300.0	0.030	01/29/2016	14:20	E84167
028	IRON	UG/L	52.4	1	200,7	29	01/28/2016	17:01	E84167
1032	MANGANESE	UG/L	14.9		200.7	0.98	01/28/2016	17:01	E84167
050	SILVER	UG/L	0.600	. 1	200.7	0.5	01/28/2016	17:01	E84167
1055	SULFATE	MG/L	97.2		300.0	0.339	02/01/2016	17:13	E84167
095	ZINC	UG/L	44.6		200.7	1.4	01/28/2016	17:01	E84167
1905	COLOR, APPARENT	PCU	40		SM2120B	2.5	01/26/2016	16:54	E84167
930	TOTAL DISSOLVED SOLIDS	MG/L	532		SM2540C	7.26	01/28/2016	09:58	E84167
2905	SURFACTANTS	MG/L	0.185		SM5540C	0.03	01/27/2016	10:22	E84167

INORGANIC ANALYSIS

62-550.310 (1)

REPORT NUMBER: 16010865 - 002

SYSTEM NAME:

WP-14 Pri/Sec Annual

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS . RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1024	CYANIDE	MG/L	0,005	U	335.4	0.005	01/27/2016	11:47	E84167

DISINFECTION BYPRODUCTS

62-550.310 (3)

REPORT NUMBER: 16010865 - 002

SYSTEM NAME:

WP-14 Pri/Sec Annual

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2941	CHLOROFORM	UG/L	0.630	1	624	0.5	01/29/2016	17:00	E84167
2942	BROMOFORM	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2943	DICHLOROBROMOMETHANE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2944	DIBROMOCHLOROMETHANE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2950	TRIHALOMETHANES, TOTAL	UG/L	0.630	1	624	0.5	01/29/2016	17:00	E84167

VOLATILE ORGANICS

62-550.310 (4) (a)

REPORT NUMBER: 16010865 - 002

SYSTEM NAME:

WP-14 Pri/Sec Annual

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2378	1,2,4-TRICHLOROBENZENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2380	CIS-1,2-DICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2955	XYLENES	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2964	METHYLENE CHLORIDE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2968	O-DICHLOROBENZENE	UG/L	0.5	υ	624	0.5	01/29/2016	17:00	E84167
2969	PARA-DICHLOROBENZENE	UG/L	0,5	U	624	0.5	01/29/2016	17:00	E84167
2976	VINYL CHLORIDE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2977	1,1-DICHLOROETHENE	UG/L	0.5	U ·	624	0,5	01/29/2016	17:00	E84167
2979	TRANS-1,2-DICHLOROETHENE	UG/L	0.5	U	624	0,5	01/29/2016	17:00	E84167
2980	1,2-DICHLOROETHANE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2981	1,1,1-TRICHLOROETHANE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2982	CARBON TETRACHLORIDE	UG/L	0,5	U	624	0.5	01/29/2016	17:00	E84167
2983	1,2-DICHLOROPROPANE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2984	TRICHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2985	1,1,2-TRICHLOROETHANE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2987	TETRACHLOROETHENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84 167
2989	MONOCHLOROBENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2990	BENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
991	TOLUENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
992	ETHYLBENZENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167
2996	STYRENE	UG/L	0.5	U	624	0.5	01/29/2016	17:00	E84167

62-550.310 (4) (b)

REPORT NUMBER: 16010865 - 002

SYSTEM NAME:

WP-14 Pri/Sec Annual

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2931	1,2-DIBROMO-3-CHLOROPROPANE	UG/L	0.014	U	504.1	0.014	01/29/2016	14:00	E84167
2946	ETHYLENE DIBROMIDE	UG/L	0.01	U	504.1	0.01	01/29/2016	14:00	E84167

SECONDARY CONTAMINANTS

62-550.320

REPORT NUMBER: 16010865 - 002

SYSTEM NAME:

WP-14 Pri/Sec Annual

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1925	PH	UNITS	7.19	Q	SM4500H+B		01/26/2016	15:59	E84167

Dale D. Dixon / Laboratory Director

02/19/2016

Date

Tülay Tanrisever / QC Officer

Deborah A. Murphy / Project Manager

DATA QUALIFIERS THAT MAY APPLY:

- I = Reported value is between the laboratory MDL and the PQL. PQL = 4 x MDL.
- J = Estimated value.
- J3 = Estimated value, Quality control criteria for precision or accuracy not met.
- J4 = Estimated value. Sample matrix interference suspected.
- Q = Sample held beyond accepted hold time.
- U = Analyte analyzed but not detected at the value indicated.
- V = Analyte detected in sample and method blank, Results for this analyte in associated samples may be biased high. Standard, Duplicate, and Spike values are within control limits. Reported data are usable

For questions and comments regarding these results, please contact us at (941) 723-9986. Results relate only to the samples.

ND = Not Detected at or above adjusted reporting limit. MBAS calculated as LAS; molecular weight = 340 X = Value exceeds MCL.

There were several exceedance is the Spikes for Bis(2-ethlyhexyl)phthalate and Simazine, however the LCS validates both of the analysis.

Benchmark EnviroAnalytical, Inc.

1711 Twelfth Street East Palmetto, FL 34221 (941) 723-9986 (941) 723-6061 fax WWW.Benchmarkea.com Client:

Charlotte County Utilities

West Port WWTP 15005 Cattle Dock Rd. Port Charlotte Fl 33981 (941) 697-4888

(941)627-1210

Chain of Custody Form: Annual West Port Primary & Secondary Analysis (Jan.) Sample Matrix²: WW Method of Discharge: Wastewater

Laboratory Submission #:

	J. Wasterrate	T	1		1				0001 (D v)		SD2-)	المستشددا	ш	T	mIT		L
S	Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn		Radium-		MBAS (Foaming Agents)	Dioxin	507 548.1 547	Semi- volatiles 525.2	50C's (Pesti-	Diquat 549.2	531.1	Herbicides 515.4	504.1 DB/DBCP	VOCs (21) (624) ***	911 ****	CIN	
ampl	1: 4 HNO ₃ pH<2 to	Plain	1:4 HNO ₃ pH<2 🗇	1:4 H ₂ SO ₄ pH<2 è	Plain	Plain	Na ₂ S ₂ O ₃	Na ₂ SO ₃ 1:1 HCl**	Na ₂ S ₂ O ₃	Na ₂ S ₂ O ₃	Na₂S₂O₃ MCAA	Na ₂ S ₂ O ₃	NaS₂O₃	NaS ₂ O ₃ 1:1 HCl*	Plain	NaOH pH>9 ⊕	1
eType¹:	1 x l Quart Plastic	1 x 1 Qt. Plastic	I x 2 Quart Plastic	1 x ½ Pint Plastic	1 x 1 Qt. Plastic	2 x 1 Lt. Amber Glass	2 x 1 Lt. Amber Glass	1 x 1 Liter Glass	2 x 40mL Glass Vials	1 x 250mL Opaque Plastic	l x 40mL Glass Vial	1 x 150mL Glass	2 x 40mL Glass Vials	3 x 40mL Glass Vials	1 x ½ Pt. Plastic	l x 250mL Plastic	
24hr Comp	End Date & Time																
Grab													Date & Time:	-16	10		
	Comp	Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn 1: 4 HNO, pH<2 to 1 x l Quart Plastic 24hr Comp End Date & Time:	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn 1: 4 HNO, pH<2 to Plain 1 x 1 Quart Plastic Start Date & Time: 1-95-14 End Date & Time: 1-96-14	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn 1: 4 HNO, pH<2 to pH 1 x 1 Qt. Plastic 1 x 2 Quart Plastic	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain 1: 4 HNO ₃ pH<2 to pH<2 to pH<2 to Plastic 1 x 1 Quart Plastic 24hr Comp Comp Comp Plain 1: 4 HNO ₃ pH<2 to pH<2	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Sample TDS, NO2, Fluoride Color/pH Radium 226 & 228 NO3 Radium 226/228 Color/pH Plasin pH<2 in Plastic Pl	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain Plain Plain Plain Plastic 1: 4 HNO, pH<2 to pH<2 to pH Quart Plastic 24hr Comp Start Date & Time: 1-96-16 TDS, NO ₂ , Radium- 226 & 228 Radium- 226/228 Combined 1: 4 HNO, pH<2 to pH<2 to pH<2 to pH<2 to pH=2 to pH<2 to pH=2 to	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain 1: 4 HNO ₃ pH<2 to pH<2 to pH<2 to Plastic 1 x 1 Quart Plastic Start Date & Time: Cd, Cr, Pb, Hg, NO ₂ , Radium-226 & 228 NO ₃ Radium-226 & 228 NO ₃ Radium-226/228 Radium-226/228 Radium-226/228 Radium-226/228 Rombined 1: 4 HNO ₃ pH<2 to pH<2 to pH<2 to Plain Plain Plain Plain Plain Plain Plastic Radium-226 & 228 NO ₃ Start Date & Time: Plastic P	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain Plastic Plas	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Ni, Se, Na, Tl Fluoride Al, Cu, Fe, Mn, Ag, Zn Plain Plastic	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain 1:4 HNO ₂ pH<2 to Plastic Plastic Plastic Plastic TOS, NO ₂ , Radium- 226 & 228 Radium- 226/228 Combined NO ₃ Radium- 226 & 228 Radium- 226/228 Combined NO ₃ Radium- 226 & 228 Radium- 226/228 Combined NO ₃ Plain Plain Plain Plain Plain Na ₂ S ₂ O ₃ Na ₂ S ₂ O	Cd, Cr, Pb, Hg, Ni, Se, Na, Ti Al, Cu, Fe, Mn, Ag, Zn	Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain	Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Plain Plain Plain Plain Plain Plastic Pl	Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Ti Al, Cu, Fe, Mn, Ag, Zh Mn, A	Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Tl Al, Cu, Fe, Mn, Ag, Zn Mn, A	Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Na, Ti Al, Cu, Fe, Min, Ag, Zn Plain Plain Plain Plain Plastic Plastic

**Add entire vial of HCl to sample bottle.

*** Fill all 3 vials completely; there can be NO AIR BUBBLES.

****pH received after 15 minute hold time, ok to run analysis.	Field pH: _	Field Turbidity:
"Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C). "Sample Matrix" is used to indicate whether the sample is being discharged to definking water (DW), groundwater (GW), surface water (SW), soil, sediment (SDMNT), or sludge (SLDG). "Container Type" is used to indicate whether the container is plastic (C) or glass (C). Sample must be refrigerated or stored in wel loe after collection. The maximum temperature during storage should be 4°C (39.2°F). Under "Preservative," list any preservatives that were added to the sample container. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis. The following information should be added to each bottle label after collection with permanent black link: date and time of collection, sampler's name or initials, and any field number or ID. All bottles not containing preservative may be rinsed with appropriate sample into collection. The client is responsible for documentation of the sampling events. Please note special sampling events on the sample custody form.		Laboratory Sample Acceptability: pH <2 D BEAS Temperature: BEA Temperature:

1	Colector Tolal Bloom	Date: 1-26-16	Time: 0710		Date: Time: 1-26-16 0800
2	Relinquished by: El Egyment		Time: 0918	Received By:	Dete: 1 26 16 Time: 0918
3	Relinquished by:	Date: 1-2/0-16		Received By Haubeir	126/16 Time: 1105
4	Relinquished by:		Time: //\$-	Rocelvod For Lab By:	Date: /// Time: /// -
		1/06/16	1415	Water DM	1/26/16 1415
		1/06/16			Page 6 of 9

INTERLABORATORY SAMPLE TRANSMITTAL FORM

Date:

Benchmark EnviroAnalytical, Inc.

1711 12th Street East

Palmetto, FL 3	4221							# of	Samples:		l	Total # of Bo	ttles:	1
(941) 723-9986 (941) 723-6061								Met	hod of Ship	ment:		Courier	***************************************	
Office QC Cher Bottle Check:								Sub	contract Lal	ooratory:	5456 Pho	Florida Radiochen 5 Hoffner Ave. #201 Orla one: 407-382-7733 Fax:	indo, Fl. 328	812 14
воше Спеск:_								Page	2		ľ	of		1
	10	BUSIN	NESS :	DAY	Г. А.Т.)	PLEAS	E		W W W W W W W W W W W W W W W W W W W					
Labo	ratory	Colle	ection	Sample	Collection	Preservative			Container	- Alama Maria Mari	Pa	urameters	Field C	Conductivity
Submi	ssion #	Date	Time	Matrix*	Method**		Qt	у	Capacity	Type***			1	ıs/cm
16010)865-1	01/26/16	0700	WW	24 Hr. Comp.	1:4 HNO ₃	1		2 Qt	Р	Gross Alpha,	Radium 226 & 228		arri vede damadinak propor patronas i içiyê
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	**************************************											THE STATE OF THE S		
					2017		The state of the s				,			
* Sample Matrix abbreve ** Sample Method abbreve *** Container Type abb	Overcional Charles (C), Con	HIDOSHO LOT 74*ER	r (SW), Saline our Composite (Surface Water (2 24HR Comp.).	SSW), Fresh Surfi	ice Water(FSW), Di	rinking Wa	ater (D∜	/), Sludge (Sldg)	, Solid (Sol), Soil (Soil), Domestic Effluer	nt (Dom Eff), Industrial Eff	ueni (Ind Eff)	n g
Relinquished By:	Sign Name	4				Date:		R	eceived By:	Wille	Dern-		Date:	1-14
(Benchmark)	Print Name:		Annah	Jensen		Time:				MIKE,	NAMAN AM		Date:	50
Relinquished / By:	Sign Name:		and the second s	rinka maska	The state of the s	Date:		R	eceived By:				Date:	WWW.
	Print Name:					Time:						* * *	Time:	1, 1
		· · · · · · · · · · · · · · · · · · ·				.f								

01/26/16

Benchmark EnviroAnalytical, Inc. 1711 12th Street East

1711 12th Street East Palmetto Fl 34221 941-723-9986

Flowers Chemical Laboratories, Inc.

481 Newburyport Ave. Altamonte Springs Fl 32701 407-339-5984

Sar	npled By: Clier	ıt.			Project Name (Nu	mb	er):	: 16	601	08	65	(WP-14)					P.O.#	· · · · · · · · · · · · · · · · · · ·	
Ma	trix's:	٠.			Client Contact: Ar	ınal	ı Je	ens	en.	/ <u>[</u>)ale	Dixon		Email Re	port: B	ettina Be	ilfuss / Deb	orah Murp	hv
GW	'- Ground water	DW- Dri	nking w	ater	FCL Project Mana	gei	: Jւ	ine	Fl	ow	vers	/ Shawn					PROCESSION CASE COME AND APPROXIMATE COMMUNICATIONS		
SW-	- Surface water	S- Soil/so	olid		Requested Due Date: 10		*****					The second of th	en kommiten Marikoniikon		Rusi	Charges M	ау Арріу	e unu age a allocatalan se i sedene e i sergg	
SL-	Sludge	WW- Wa	ste wate	r	Pick-up Fee: \$							AFFECTION AFFECTION		Vehicle Sur	harge \$:			s II I Pillio di Stamontifyrompo pri più dell'hi disconn	
ltem No.	Sample ID	Date	Time	Matrix	(Lab Use Only)		Pi	reser	vativ	ves				Ana	lysis Requ	est	W**L	Comment	ers
ALAMATINISH MARKATAN AND AND AND AND AND AND AND AND AND A				And a supplier of the supplier	Lab. NO.	Monoclacid	1:4 H.SO.	L'4 HNO,	LING	Na ₂ S ₂ O ₁	Na ₂ SO ₃ + HCl	507/548.1 /547	525.2	505	Diquat 549	531.1	5154	2.6°1 pH-62	Total # of Containers
1				ww		†				Х		X			.,		000g, da m m m m m m m m m m m m m m m m m m	AAA	12
2				ww							X		Х						1
3	16010865-1	01/26/16	0700	ww	288825 WW				ĺ	Х	·	A		X			A	0	2
4	10010002-1	01/20/10	0700	WW		1				Х	,		1.00a-1.00a-		X			24 Hr. Composite	
5				WW	The state of the s	Х				Х			**************************************	Accordance of the second control of the seco		X			
6		-		ww						х			and Higgs y and				X		
7	**************************************		tite and character and a second con-		AND				\top						A	-	A,		
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Re	dinquished By / Affilia	tion Da	te Tim	L A	ceepted By / Affiliation	Da	le.	Tin	1e	R	Reling	uished By / A	ffiliatio	n Date	Time	Accepted B	y / Affiliation	Date T	l l
Anr	nah Jensen/BEA	01/2	7/16 083	0								v-	- W. Washing					/-/	58

INTERLABORATORY SAMPLE TRANSMITTAL FORM

Benchmark EnviroAnalytical, Inc. 1711 12th Street East Palmetto, FL 34221 (941) 723-9986 (941) 723-6061 fax WWW.Benchmarkea.com Office QC Check; Bottle Check:

16011624 -001

Date:		01/26/16	talama . Asp. sanga
Station ID:	. (WP-14	
# of Samples:	1	Total # of Bottles:	2
Method of Shipment:		UPS - 2 Day Air	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Subcontract Laboratory;	(Summit Environmental 3310 Win Street Cuyahoga Falls, Ohio. 44223 (330) 253-8211	· <u>, </u>
Page	1	of	1

Laboratory	Collec	tion	Sample	Collection	Preservative		Container	ŕ	Parameters	Comments
Submission #	Date	Time	Matrix ¹	Method ²		Qty	Capacity	Туре	The state of the s	
16010865-1	01/26/16	0700	WW	24 Hr. Composite	Plain	2	950mL	G	Dioxin	and the state of t
		70-77-78-88-0-1-48-88-0-1-48-88-0-1-48-88-0-1-48-88-0-1-48-88-0-1-48-88-0-1-48-88-0-1-48-88-0-1-48-88-0-1-48-8				·			The second secon	The transport of the second se
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The state of the s		pyrotethnomen - provin	:		www.infiliation.com/a	Parada a				
					-					*

1. "Sample Matrix" abbreviations; Groundwater (GW), Surface Water (SW), Drinking Water (DW), Sludge (Sidg), Solid (Sol), Soil (Soil), Domestic Effluent (Dom Eff), Industrial Effluent (Ind Eff)

2. "Sample Method" abbreviations; Grab (G), Competite (C)

3. "Container Type" abbreviations: Plastic (1), Glass (G)								
Relinquished	Sign Name:		Date:	01/26/16	Received	Y 187, to the second of the se	Date:	a Degrada
By: (Benchmark)	Print Name:	Annah Jensen	Time:	1600	Вут		Time:	
Relinquished By:	Sign Name:		Date:		Received		Date:	1/28/16
by.	Print Name:		Time:		Ву:		Time:	