



Water Tank Inspection for:
Brunswick - Glynn County Joint Water & Sewer Commission
Mall Tank
500,000 Galon Elevated

Inspection Date: 2/21/2022 10:00:00 AM

Inspector: Tom Chapman(251-654-5414)

* The tank exterior has peeling coatings all over and it is recommended that the tank exterior get blasted to bare metal and overcoated.

The tank interior has rust spots all around and it is recommended that the tank interior get blasted to bare metal and overcoated.

The tank interior dry areas have peeling coatings on the platforms and have rust spots on the shell. It is recommended that the tank interior dry area get blasted to bare metal and overcoated.

Tank Height:	135 ft. to Overflow
Year Tank Built:	1987
Tank Foundation:	Good Condition
Anchor Bolts:	Surface rusting
Exterior Paint:	Urethane
Interior Paint:	Epoxy
<u>Tank Exterior</u>	
Tank Legs:	n/a
Tank Riser:	Rust spots all over
Tank Bowl:	Rust spots all over
Tank Shell Wall:	Rust spots all over
Tank Roof:	Rust spots all over
Tank Riser Rods:	n/a
Tank Wind Rods:	n/a
Inspect the tank's balconies and handrails:	n/a
Does the Tank Have Lead Paint:	No

Exterior Coatings Adhesion:	Poor
Average Support Tower DFT(mils):	30
Average Tank Sidewall DFT(mils):	27
Average Tank Top DFT(mils):	32
<u>Tank Interior</u>	
Interior ceiling Beams:	n/a
Interior ceiling:	Surface rust occuring
Interior Side Walls:	Surface rust occuring
Interior Floor:	Tank was full for this inspection
Interior Riser:	n/a
Inspection of sanitary conditions:	Tank was full for this inspection
Average Tank Interior DFT(mils):	25
<u>Tank Dry Interior</u>	
Dry Area Condition:	Rust spots all over
Dry Area Ladder:	Peeling coatings
Dry Area Average DFT:	12
<u>Tank Accessories</u>	
Riser Manway:	n/a
Top Hatch:	Section Loss occuring
Top Vent:	Good Condition
Exterior Ladder:	n/a
Knuckle Ladder:	n/a
Interior Bowl Ladder	Minimal Rust Spots
Interior Riser Ladder:	n/a
Inspection of OSHA-related accessories:	Main Ladder has safety climb
Inspection of cathodic protection:	No cathodic protection on tank
Overflow Protection:	Flap and screen in place
Exterior Fence:	In Place and Locked
Ladder Gate:	Pedesphere Tank with locking bottom door
Top Hatch:	No lock on hatch

See pictures below for more information

Ed Chapman

Chapman Technical Services, LLC

5858 Vaughn Dr E

Satsuma, AL 36572

251-442-5911























March 04, 2022

Ed Chapman
Chapman Technical Services
5556 7th St.
Satsuma, AL 36572

RE: Project: Brunswick GA 2/28/22
Pace Project No.: 20236149

Dear Ed Chapman:

Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 2022. The results relate only to the samples included in this report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - New Orleans

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Savannah Wallace
savannah.wallace@pacelabs.com
251-344-9106
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Brunswick GA 2/28/22

Pace Project No.: 20236149

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):
E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

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SAMPLE SUMMARY

Project: Brunswick GA 2/28/22

Pace Project No.: 20236149

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20236149001	Oglethorpe	Solid	02/24/22 10:00	02/28/22 14:12
20236149002	Mall	Solid	02/24/22 11:00	02/28/22 14:12

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SAMPLE ANALYTE COUNT

Project: Brunswick GA 2/28/22

Pace Project No.: 20236149

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20236149001	Oglethorpe	EPA 6010	AJS	1
20236149002	Mall	EPA 6010	AJS	1

PASI-N = Pace Analytical Services - New Orleans

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ANALYTICAL RESULTS

Project: Brunswick GA 2/28/22

Pace Project No.: 20236149

Sample: Oglethorpe		Lab ID: 20236149001		Collected: 02/24/22 10:00		Received: 02/28/22 14:12		Matrix: Solid	
Results reported on a "wet-weight" basis									
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total		Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans							
Lead	ND	mg/kg	4.1	10	03/03/22 09:06	03/03/22 18:05	7439-92-1	D3	

Sample: Mall		Lab ID: 20236149002		Collected: 02/24/22 11:00		Received: 02/28/22 14:12		Matrix: Solid	
Results reported on a "wet-weight" basis									
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total		Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans							
Lead	4.8	mg/kg	4.6	10	03/03/22 09:06	03/03/22 18:09	7439-92-1	D3	

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QUALITY CONTROL DATA

Project: Brunswick GA 2/28/22

Pace Project No.: 20236149

QC Batch: 249087

Analysis Method: EPA 6010

QC Batch Method: EPA 3050

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20236149001, 20236149002

METHOD BLANK: 1183162

Matrix: Solid

Associated Lab Samples: 20236149001, 20236149002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/03/22 14:18	

LABORATORY CONTROL SAMPLE: 1183163

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	101	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1183164 1183165

Parameter	Units	20235990001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	0.79	58.8	54.9	57.9	50.7	97	91	80-120	13	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Brunswick GA 2/28/22

Pace Project No.: 20236149

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Brunswick GA 2/28/22

Pace Project No.: 20236149

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20236149001	Oglethorpe	EPA 3050	249087	EPA 6010	249151
20236149002	Mall	EPA 3050	249087	EPA 6010	249151

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

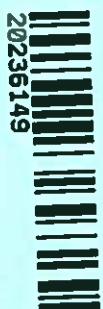
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Billing Information:

LAB USE ONLY: Affix Workorder/Login Label Here or List Pace Workorder Number or
 MTI Line In Number: **W0# : 20236149**

ALL SHAD

Container Preservative Type



20236149

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) sodium bisulfate, (4) sodium trisulfate, (5) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Company:

Chapman Technical Services

Address:

5858 Vanhook Dr E

Report To:

F22 Chapman

Email To:

ed@chap-ts.com

Copy To:

Site Collection Info/Address:

Customer Project Name/Number:

Brinswick GA

State: / County/City: Time Zone Collected:

Phone:

2519 92-5911

Site/Facility ID #:

Collected By (print):

Purchase Order #:

Collected By (signature):

Turnaround Date Required:

Sample Disposal:

☐ Dispose as appropriate ☐ Return

☐ Archive: ☐ Hold:

☐ Rush: ☐ Same Day ☐ Next Day ☐ 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day

(expedited Charges Apply)

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID

Matrix *

Comp / Grab

Collected (or Composite Start) Date Time

Composite End Date Time

Res CI # of Cms

2-24 10:50

2-24 11:00

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry ☒ None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

Received by/Company: (Signature) *[Signature]*

Date/Time: 2-25-22

Received by/Company: (Signature) *[Signature]*

Date/Time: 2-25-22

Received by/Company: (Signature) *[Signature]*

Date/Time: 2-25-22

Lab Tracking #

2581234

Samples received via: FEDEX UPS ☒ Client Courier Pace Courier

MTI LAB USE ONLY

Table #:

Accum: Template: Prelogin: PM: PB:

Lab Sample Temperature Info:

Temp Blank Received: Y N ☒ NA

Therm ID#:

Cooler 1 Temp Upon Receipt: 24.3 oC

Cooler 1 Therm Corr. Factor: -0.1 oC

Cooler 1 Corrected Temp: 24.2 oC

Comments:

Temp Blank Received: Y N ☒ NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO ☒ Page: 1 of 1

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact: Y ☒ N ☒ NA

Custody Signatures Present: Y ☒ N ☒ NA

Collector Signatures Present: Y ☒ N ☒ NA

Bottles Intact: Y ☒ N ☒ NA

Correct Bottles: Y ☒ N ☒ NA

Sufficient Volume: Y ☒ N ☒ NA

Samples Received on Ice: Y ☒ N ☒ NA

VOA - Headspace Acceptable: Y ☒ N ☒ NA

USDA Regulated Soils: Y ☒ N ☒ NA

Samples in Holding Time: Y ☒ N ☒ NA

Residual Chlorine Present: Y ☒ N ☒ NA

CI Strips: Y ☒ N ☒ NA

Sample pH Acceptable: Y ☒ N ☒ NA

pH Strips: Y ☒ N ☒ NA

Sulfide Present: Y ☒ N ☒ NA

Sulfide Strips: Y ☒ N ☒ NA

Lead Acetate Strips: Y ☒ N ☒ NA

LAB USE ONLY:

Lab Sample # / Comments: