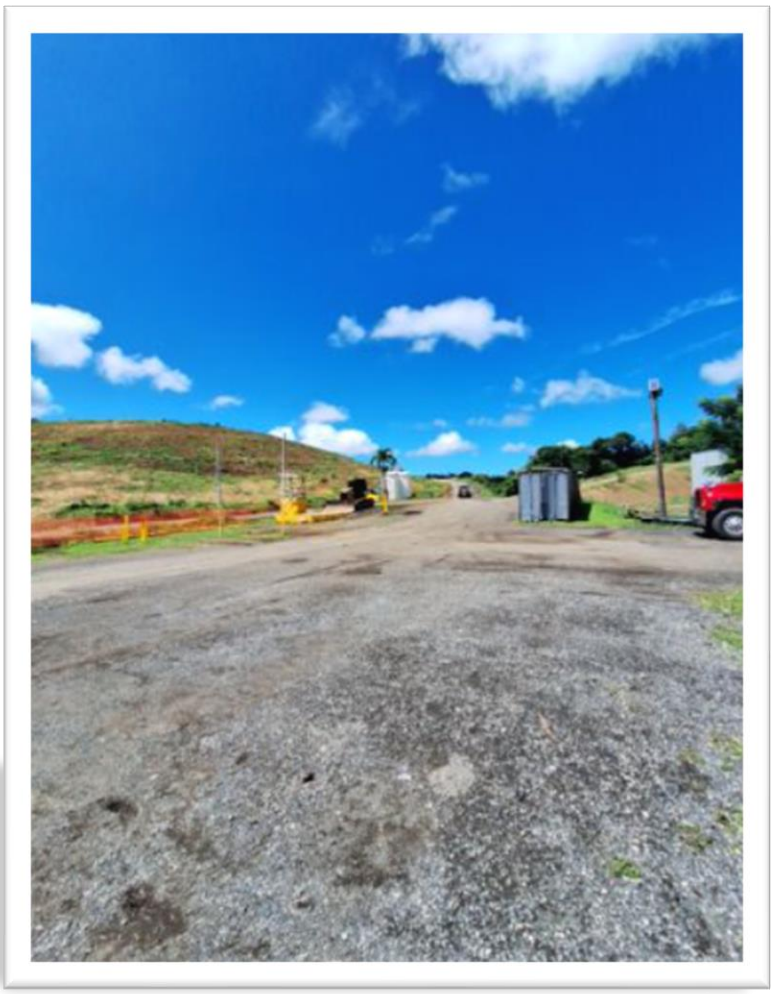
NOVEMBER 18, 2024



MUNICIPALITY OF TOA ALTA OCTOBER 2024 MONTHLY REPORT

CIV. NO. 3:21-01087-DRD

NIVIA I. AYALA, PE
TERRATEK ENGINEERING GROUP, PSC
P.O. Box 367445 San Juan, PR 00936

Contents

I. DISTRIBUTION LIST

DOJ: david.l.gordon@usdoj.gov
EPA: spielmann.lee@epa.gov
plossl.carl@epa.gov
gonzalez.eduardo@epa.gov
DNER: nildasanchez@drna.pr.gov
mariavrodriguez@drna.pr.gov
carmelovazquez@drna.pr.gov
MTA: carlos@cwllegal.com
dbatlle@cstlawpr.com
jramirez@amrclaw.com
cagosto674@gmail.com

II. REPORT ORGANIZATION

As part of the USA-MTA Civ. No. 3:21-01087-DRD Stipulation and Preliminary Injunction Order, MTA shall prepare and submit monthly reports regarding the performance of its obligations under this Order until completion of the requirements of Paragraphs 3 through 10 of this Order. Each report shall cover the period ending on the last day of each month. Each report must be sent to DOJ, EPA, and DNER on or before the 15th day of the month following the reporting period. Each monthly report shall include:

i. Description of compliance with each requirement of this Order;

ii. the volume, acreage, and location of the Intermediate Cover that was applied;

iii. the volume and disposition of leachate and leachate-contaminated stormwater collected;

iv. results of any sampling analysis performed; and

v. Notification of any noncompliance with this Order, including a statement describing the noncompliance and its underlying causes, proposed measures, and an implementation schedule to correct the noncompliance.

The monthly report is divided into four sections.

Section 1 summarizes the order requirements and the compliance status for each requirement. *Please note that Task IDs are unrelated to the paragraphs assigned to the order.*

Section 2 will include detailed information or supporting documentation regarding the compliance status of each requirement, which needs a comprehensive description or status details.

Section 3 is a list of weekly inspections performed, and

Section 4 is the projection of next month's activities.

Section 5 includes all the attachments to the report.

III. Section 1: SUMMARY

Municipality of Toa Alta Civ. No. 3:21-01087-DRD		
Reporting Period:		October 1 to October 31, 2024
Reporting Number:		25
Reporting Official:		Nivia Ayala, PE/TerraTek
Reporting Date:		11/18/2024
	Description of Compliance with Each Requirement of the Order	
ID	Requirement	Compliance Status
1	Access	In-Compliance
2	Daily Cover	In Compliance
3	Cessation of Waste Disposal	In-Compliance
4	Posting of Signs	In Compliance
5	Intermediate Cover	A new intermediate cover phase spanning approximately 4.5 acres is underway, and robust clearing and grubbing activities were completed this month.
6	Maintenance of Cover	In-Compliance
7	Slope Stability	In compliance with agreed short-term controls, safety barrier fencing, and H&S program.
8	Leachate Management	
8a	Leachate Management Plan	A new version of the Leachate Management Plan will be submitted by January 15, 2025 to address the modification of the Leachate Interception System Pilot Project Results and the existing PRASA Permit requirements.
8b	Management of Leachate Collected from Landfill	4,000 gallons remain in the tanks and will be disposed of by the end of December 2024. PRASA has required to stall the leachate disposal until they complete an internal sampling procedure for permitting purposes.
9	Stormwater Management	
9a	Short Term Controls	In- Compliance
9b	Survey of Leachate Seeps	In-Compliance

9c	Stormwater Management Plan	Revision Submitted
9d	Discharges of Stormwater Not from Pond	N/A
9e	Discharge/Disposal of Pond Liquid	N/A
Additional Requirements		
The volume, acreage, and location of the Intermediate Cover that was applied.		None
The volume and disposition of leachate-contaminated stormwater collected.		None
Results Of Any Sampling Analysis Performed		Leachate Samples were collected on 10/10/2024. The Analysis report is included as Attachment 1.
Notification Of Noncompliance		A batch of "intermediate cover material" containing 90% of the sampled source and 20% of the vegetative and gravel mix was prepared and is ready for placement. During the third week of November, we will have a kick-off meeting with the Contractor to establish the project schedule based on the materials inventory.

IV. SECTION 2: DETAIL INFORMATION OR SUPPORTING DOCUMENTATION OF EACH REQUIREMENT IN NEED OF COMPREHENSIVE DESCRIPTION OR STATUS DETAILS

A. COMPLETED REQUIREMENTS

Access:

Access is granted to the United States and the Commonwealth of Puerto Rico and their employees, representatives, and contractors to conduct the necessary inspections and studies, including reviewing the applicable record to evaluate existing conditions, following the agreed terms in the Stipulation.

Daily Cover:

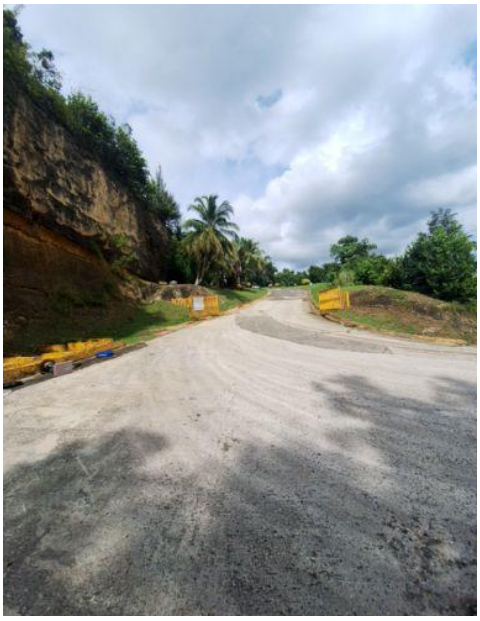
Daily Cover at the facility was completed on April 30, 2022. Daily Cover covered all areas of exposed waste.

Cessation of Waste Disposal:

The cessation of waste disposal at the facility was completed by March 30, 2022. However, as agreed in the Stipulation, the temporary storage of construction and demolition (C&D) waste, bulk household waste (durable goods such as mattresses, furniture, and appliances), or yard waste (vegetation waste generated by land maintenance) for final disposal at a different landfill is active and been performed daily.

Posting of Signs:

A sign size of four feet by five feet was installed at the landfill entrance. See the attached pictures.



B. Supporting documentation of each requirement in need of comprehensive description or status details

The following is a chronological order of the Municipality's steps to negotiate and acquire the funds to perform the tasks related to implementing the Closure Plan.

CDBG-MIT (HUD):

1. The Municipality of Toa Alta, in its continued effort to receive assistance for obtaining the funds required for the landfill closure, received a letter from the Department of Housing informing the designation of the Community Development Block Grant - Mitigation Program (CDBG-MIT) funds for strategic, transformative, and high-impact projects that will strengthen the island's resilience to future natural disasters by improving critical infrastructure. As part of this analysis, the Toa Alta Solid Waste Management Project was selected as a strategic project that will receive funds from this program to implement landfill closure activities. Based on this designation, the Municipality of Toa Alta has commenced meetings with the Department of Housing to complete all the required documentation required for the final issuance of the award. The Municipality will continue working with the Department of Housing to complete the required processes to receive the grant funds for this vital project.
2. The MTA and PRDOH have held additional meetings and requested information to complete the award issuance of CDBG-MIT funds.
3. The next meeting was scheduled for May 22, 2024.
4. On May 29, 2024, we submitted the final LOERD document for the Toa Alta Landfill Project. We are awaiting HUD approval.
5. The Toa Alta Municipality has started the Environmental Review Process while waiting for the LOERD Approval.
6. The CDBG-MIT program managers met with the Toa Alta Municipality personnel on July 12 and July 26. They support the municipality with the environmental review process.
7. The Subrecipient Agreement (SRA) between the Puerto Rico Department of Housing and the Municipality of Toa Alta was signed on October 4, 2024.
8. The Municipality of Toa Alta continues with the preparation of the Environmental Review as required by CDBG-MIT

9. Bi-Weekly Meetings are held to inform and plan all the activities required by the SRA.

Department of Natural and Environmental Resources (DNER)

1. A letter dated January 26, 2023, was directed to the MTA Mayor, approving $1.3M for the planning and design of the closure activities. No disbursement has been received yet.
2. The Municipality designated $3 Million of their ARPA funds to commence the execution of the required Intermediate Cover tasks.
3. The $1.3M was reimbursed for planning and design in February 2023.
4. The MTA commenced an RFQ process for a Landfill Contractor to implement the Intermediate in January 2023. Unfortunately, no contractor submitted a proposal for the RFQ.
5. Thus, a new formal drawing was developed to identify the specific project specifications to issue an RFP purpose that would allow more flexibility for contractors to participate. The MTA prepared a new RFP that was published in May 2023.
6. The MTA had two contractors participate in the RFP process, and it is evaluating the proposals to issue the final determination that would allow the commencement of the work during August 2023.
7. The RFP was awarded to LC Group on August 16, 2023.
8. The Intermediate Cover activities started on August 29, 2023.
9. A meeting with DNER Technical Personnel was held on February 29, 2024, regarding formal comments regarding the Preliminary Closure Report submitted on October 31, 2023. After the DNER evaluation, the following are the discussed comments:
    1. Verify Closure Turf Stability Safety Factor calculated for the North Slope (2.4:1?)
    2. Verify the results of the static and seismic Safety Factors.
    3. Revise and include HELP Assumptions and used factors.
    4. Revise Help Calculation results *227 ft^3 or 2.267x10^3 ft^3
    5. Clarify if the Stormwater Pond capacity calculation was performed using the existing water level or on an empty pond.
    6. Verify profile A’ used on Drawing 8.

After several conversations with DNER, we agreed to submit the Final Construction Drawings to DNER by January 31, 2025.

ID 5: Intermediate Cover

During the first phase of the intermediate cover project, which took place from August 29, 2023, to February 23, 2024, we successfully covered 5.24 acres of land with 8,264 cubic meters of intermediate cover. Our next phase will cover approximately 4.5 acres, and we have opted to utilize ET Cover material for this purpose. We initiated the soil selection process by utilizing the available Soil Survey Resources and soil samples from Vega Baja. The Toa Alta Municipality is actively carrying out the clearing and grubbing tasks required to place the intermediate cover. A new sample set was analyzed, and the results are much better oriented to the proper specifications. During the third week (November 21, 2024) we are expected to complete a Kick-Off meeting with the Contractor.

C. EPA REVISIONS, REQUESTS, AND VIRTUAL MEETINGS

- On February 22, 2024, a 2-hour discussion of the EPA HELP Model as it pertains to the Toa Alta Landfill was organized by Mr. Carl Plossl. The first hour was a general presentation of the suitability and use of the HELP Model in estimating leachate generation, stormwater flows, and other water flows in and out of Puerto Rico's landfills. The second hour was focused on aspects of the Toa Alta Landfill.
- On February 23, 2024, Mr. Carl Plossl requested a discussion of the Stormwater Management Plan submitted in July 2023. An extensive list of comments was discussed. MTA submitted a revised Plan on February 26, 2024.
- On February 27, 2024, a kmz file containing the second phase intermediate cover information was submitted to Mr. Carl Plossl.
- We want to thank Mr. Plossl for preparing and Updating the ET Cover Design Elements for the Toa Alta Landfill Intermediate Cover received on January 23, 2024.
- On March 4, 2024, we had a telephone conference call with Mr. Carl Plossl to discuss the Stormwater Management Plan Update. Mr. Plossl, kindly share with us the following documents: Toa Alta Landfill SWPPP prepared in 2021.
    - A drawing showing what USEPA understands to be the stormwater offsite release points/areas at the Toa Alta Landfill.

- On April 16, 2024, Mr. Carl Plossl informed us of the following:

  Intermediate cover is required under the 1st Stip to be installed at 1 acre/month for the 1st year and then at the rate of 2 acres/month after that. By the end of March 2024, some 24 acres were to be installed. As only 5.24 acres are currently covered, the Municipality of Toa Alta is not in compliance. Your reports must reflect this lapse in compliance.
- We presented the following diagram with the information of the stormwater flow and sampling point locations.
- We are still waiting for the gravel and small receiving tank to be delivered to construct the leachate interception pilot project.

- EPA requested to be invited to the Project Installation of the Leachate Interception Pilot System and was present during the construction activities represented by Mr. Eduardo Gonzalez and Ms. Arshley Rey Torres.
- The following is a picture of the temporary constructed facility:

V. SECTION 3: WEEKLY INSPECTIONS PERFORMED DURING THE REPORTING PERIOD

TerraTek Engineering Group personnel diligently conducted inspections on October 4, 11, 18, and 25, 2024. Each inspection report is available as Attachment 2 to this report.

SECTION 4: PROJECTION OF NEXT MONTH'S ACTIVITIES

November 1, 2024	Start-up on the next phase of the intermediate cover process.
Weekly Inspection	
November 8, 2024	Continuing with the HUD CDBG-MIT Environmental Review Process.
Weekly Inspection	
November 15, 2024	Submit the project status report to the OGP (Puerto Rico's Office of Management and Budget).
Weekly Inspection	
November 22, 2024	Help the Contractor with the Procurement Process for the Intermediate Cover Project.
Weekly Inspection	
November 29, 2024	These dates are subject to change.
Weekly Inspection	

VI. Section 4: Attachments

Attachment 1: Leachate Analysis Report

Attachment 2: Weekly Inspections

ATTACHMENT 1

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

October 25, 2024

Nivia Ayala
Terratek PR
PO Box 367445
San Juan, PR 00936

RE: Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Dear Nivia Ayala:

Enclosed are the analytical results for sample(s) received by the laboratory on October 10, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

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

- Pace Analytical Services - Minneapolis
- Pace Analytical Services - New Orleans

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

Sincerely,

Juan Redondo
juan.redondo@pacelabs.com
(787)720-0319
Project Manager

Enclosures

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

CERTIFICATIONS

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
DoD Certification via A2LA #: 2926.01
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
ISO/IEC 17025 Certification via A2LA #: 2926.01
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification via A2LA #: 2926.01
USDA Permit #: P330-19-00208

Pace Analytical Services New Orleans
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 2000662023-7
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-23-18
U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-89728

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

SAMPLE SUMMARY

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20333273001	**DESCARGA**	Water	10/10/24 11:00	10/10/24 12:30

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

SAMPLE ANALYTE COUNT

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20333273001	**DESCARGA**	EPA 8081B	RAG	24	PASI-M
		EPA 8082A	RAG	9	PASI-M
		EPA 6010	AJS	10	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	JNG	72	PASI-M
		EPA 5030B/8260	JRP	44	PASI-N
		EPA 1010	LJL	1	PASI-N
		EPA 1664B, 2010	TMO	1	PASI-N
		SM 2540D 2011	CAP	1	PASI-N
		40CFR PART 432.2	KWS	1	PASI-N
		EPA 351.2	JLH	1	PASI-N
		SM 4500-CN-E	MHM	1	PASI-N
		SM 4500-NO3 F	CDL	1	PASI-N
		ASTM D516-90,02	MHM	1	PASI-N

PASI-M = Pace Analytical Services - Minneapolis
PASI-N = Pace Analytical Services - New Orleans

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 8081B**
Description: 8081B GCS Pesticides
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for EPA 8081B by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

QC Batch: 973405

P1: Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.
- DESCARGA (Lab ID: 20333273001)

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 973405

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- DESCARGA (Lab ID: 20333273001)
  - Decachlorobiphenyl (S)
  - Tetrachloro-m-xylene (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 8081B**
Description: 8081B GCS Pesticides
Client: Terratek PR
Date: October 25, 2024

Analyte Comments:

QC Batch: 973405

2b: Surrogate recovery outside control limits due to thick emulsion (not confirmed by re-analysis)
- DESCARGA (Lab ID: 20333273001)
  - Decachlorobiphenyl (S)

3b: Surrogate recovery outside control limits due to thick emulsion (not confirmed by re-analysis).
- DESCARGA (Lab ID: 20333273001)
  - Tetrachloro-m-xylene (S)

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 8082A**
Description: 8082A GCS PCB
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for EPA 8082A by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

QC Batch: 973408

P1: Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.
- DESCARGA (Lab ID: 20333273001)

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 973408

S0: Surrogate recovery outside laboratory control limits.
- DESCARGA (Lab ID: 20333273001)
  - Decachlorobiphenyl (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 973408

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 8082A**
Description: 8082A GCS PCB
Client: Terratek PR
Date: October 25, 2024

Analyte Comments:

QC Batch: 973408

1b: Surrogate recovery outside control limits due to emulsion (not confirmed by re-analysis).

- DESCARGA (Lab ID: 20333273001)
  - Decachlorobiphenyl (S)

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for EPA 6010 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 345249

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

- DESCARGA (Lab ID: 20333273001)
  - Silver

Pace Analytical Services, LLC
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Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 7470**
Description: 7470 Mercury
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for EPA 7470 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 8270E**
Description: 8270E MSSV RV
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for EPA 8270E by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 973406

S0: Surrogate recovery outside laboratory control limits.
- DESCARGA (Lab ID: 20333273001)
  - 2,4,6-Tribromophenol (S)
- LCSD (Lab ID: 5087612)
  - 2,4,6-Tribromophenol (S)
  - p-Terphenyl-d14 (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 973406

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
- LCSD (Lab ID: 5087612)
  - Di-n-butylphthalate

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 8270E**
Description: 8270E MSSV RV
Client: Terratek PR
Date: October 25, 2024

QC Batch: 973406

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 5030B/8260**
Description: 8260 MSV Low Level
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for EPA 5030B/8260 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 345018

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20332802004,20333464003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1658148)
  - Benzene
- MSD (Lab ID: 1658149)
  - Benzene
  - Methyl-tert-butyl ether

R1: RPD value was outside control limits.

- MSD (Lab ID: 1658149)
  - 2-Butanone (MEK)
  - 4-Methyl-2-pentanone (MIBK)

Additional Comments:

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 5030B/8260**
Description: 8260 MSV Low Level
Client: Terratek PR
Date: October 25, 2024

Analyte Comments:

QC Batch: 345018

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

- DESCARGA (Lab ID: 20333273001)
  - Acetone

Pace Analytical Services, LLC
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Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 1010**
Description: 1010 Flashpoint,Closed Cup
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for EPA 1010 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 1664B, 2010**
Description: HEM, Oil and Grease
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for EPA 1664B, 2010 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **SM 2540D 2011**
Description: 2540D Total Suspended Solids
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for SM 2540D 2011 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **40CFR PART 432.2**
Description: Total Nitrogen Calculation
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for 40CFR PART 432.2 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **EPA 351.2**
Description: 351.2 Total Kjeldahl Nitrogen
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for EPA 351.2 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 351.2 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 344634

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20333201002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1656240)
  - Nitrogen, Kjeldahl, Total

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 344634

D4: Sample was diluted due to the presence of high levels of target analytes.

- DESCARGA (Lab ID: 20333273001)
  - Nitrogen, Kjeldahl, Total

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **SM 4500-CN-E**
Description: 4500CNE Cyanide, Total
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for SM 4500-CN-E by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with SM 4500-CN-C with any exceptions noted below.

QC Batch: 344703

P1: Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.
- DESCARGA (Lab ID: 20333273001)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **SM 4500-NO3 F**
Description: 4500NO3-F, NO3-NO2
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for SM 4500-NO3 F by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 344975

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

- DESCARGA (Lab ID: 20333273001)
  - Nitrogen, NO2 plus NO3

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

PROJECT NARRATIVE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Method: **ASTM D516-90,02**
Description: ASTM D516-9002 Sulfate Water
Client: Terratek PR
Date: October 25, 2024

General Information:
1 sample was analyzed for ASTM D516-90,02 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 345151

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.
- DUP (Lab ID: 1658833)
  - Sulfate

Additional Comments:

Analyte Comments:

QC Batch: 345151

D4: Sample was diluted due to the presence of high levels of target analytes.
- DESCARGA (Lab ID: 20333273001)
  - Sulfate

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

ANALYTICAL RESULTS

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Sample: DESCARGA **Lab ID: 20333273001** Collected: 10/10/24 11:00 Received: 10/10/24 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - New Orleans							
Collected By	**PRT&S**			1		10/10/24 13:35		
Collected Date	**10-10-24**			1		10/10/24 13:35		
Collected Time	**11:00**			1		10/10/24 13:35		
Field pH	**7.91 SU**	Std. Units		1		10/10/24 13:35		
Field Temperature	**35.3 °C**	deg C		1		10/10/24 13:35		
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
Aldrin	ND	ug/L	5.0	10	10/14/24 16:36	10/15/24 22:00	309-00-2	
alpha-BHC	ND	ug/L	5.0	10	10/14/24 16:36	10/15/24 22:00	319-84-6	
beta-BHC	ND	ug/L	5.0	10	10/14/24 16:36	10/15/24 22:00	319-85-7	
delta-BHC	ND	ug/L	5.0	10	10/14/24 16:36	10/15/24 22:00	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	5.0	10	10/14/24 16:36	10/15/24 22:00	58-89-9	
Chlordane (Technical)	ND	ug/L	50.0	10	10/14/24 16:36	10/15/24 22:00	57-74-9	
alpha-Chlordane	ND	ug/L	5.0	10	10/14/24 16:36	10/15/24 22:00	5103-71-9	
gamma-Chlordane	ND	ug/L	5.0	10	10/14/24 16:36	10/15/24 22:00	5103-74-2	
4,4'-DDD	ND	ug/L	10.0	10	10/14/24 16:36	10/15/24 22:00	72-54-8	
4,4'-DDE	ND	ug/L	10.0	10	10/14/24 16:36	10/15/24 22:00	72-55-9	
4,4'-DDT	ND	ug/L	10.0	10	10/14/24 16:36	10/15/24 22:00	50-29-3	
Dieldrin	ND	ug/L	10.0	10	10/14/24 16:36	10/15/24 22:00	60-57-1	
Endosulfan I	ND	ug/L	5.0	10	10/14/24 16:36	10/15/24 22:00	959-98-8	
Endosulfan II	ND	ug/L	10.0	10	10/14/24 16:36	10/15/24 22:00	33213-65-9	
Endosulfan sulfate	ND	ug/L	10.0	10	10/14/24 16:36	10/15/24 22:00	1031-07-8	
Endrin	ND	ug/L	10.0	10	10/14/24 16:36	10/15/24 22:00	72-20-8	
Endrin aldehyde	ND	ug/L	10.0	10	10/14/24 16:36	10/15/24 22:00	7421-93-4	
Endrin ketone	ND	ug/L	10.0	10	10/14/24 16:36	10/15/24 22:00	53494-70-5	
Heptachlor	ND	ug/L	5.0	10	10/14/24 16:36	10/15/24 22:00	76-44-8	
Heptachlor epoxide	ND	ug/L	5.0	10	10/14/24 16:36	10/15/24 22:00	1024-57-3	
Methoxychlor	ND	ug/L	50.0	10	10/14/24 16:36	10/15/24 22:00	72-43-5	
Toxaphene	ND	ug/L	150	10	10/14/24 16:36	10/15/24 22:00	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	46	%.	49-125	10	10/14/24 16:36	10/15/24 22:00	877-09-8	3b,ED, P1,S4
Decachlorobiphenyl (S)	28	%.	46-125	10	10/14/24 16:36	10/15/24 22:00	2051-24-3	2b,S4
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/14/24 15:37	10/15/24 11:25	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/14/24 15:37	10/15/24 11:25	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/14/24 15:37	10/15/24 11:25	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/14/24 15:37	10/15/24 11:25	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/14/24 15:37	10/15/24 11:25	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/14/24 15:37	10/15/24 11:25	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/14/24 15:37	10/15/24 11:25	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	37	%.	30-125	1	10/14/24 15:37	10/15/24 11:25	877-09-8	P1

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REPORT OF LABORATORY ANALYSIS

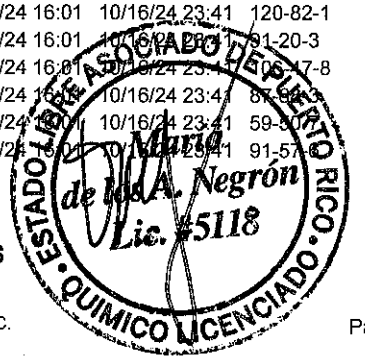
Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

ANALYTICAL RESULTS

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Sample: DESCARGA **Lab ID: 20333273001** Collected: 10/10/24 11:00 Received: 10/10/24 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
Surrogates								
Decachlorobiphenyl (S)	22	%.	34-125	1	10/14/24 15:37	10/15/24 11:25	2051-24-3	1b,S0
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - New Orleans							
Arsenic	**1040**	ug/L	50.0	5	10/16/24 09:11	10/18/24 11:53	7440-38-2	
Cadmium	ND	ug/L	25.0	5	10/16/24 09:11	10/18/24 11:53	7440-43-9	
Chromium	**134**	ug/L	50.0	5	10/16/24 09:11	10/18/24 11:53	7440-47-3	
Copper	**111**	ug/L	50.0	5	10/16/24 09:11	10/18/24 11:53	7440-50-8	
Lead	ND	ug/L	25.0	5	10/16/24 09:11	10/18/24 11:53	7439-92-1	
Manganese	**156**	ug/L	50.0	5	10/16/24 09:11	10/18/24 11:53	7439-96-5	
Nickel	ND	ug/L	200	5	10/16/24 09:11	10/18/24 11:53	7440-02-0	
Selenium	ND	ug/L	100	5	10/16/24 09:11	10/18/24 11:53	7782-49-2	
Silver	ND	ug/L	50.0	5	10/21/24 09:24	10/22/24 13:12	7440-22-4	D3
Zinc	ND	ug/L	100	5	10/16/24 09:11	10/18/24 11:53	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans							
Mercury	ND	ug/L	0.20	1	10/15/24 09:57	10/16/24 13:02	7439-97-6	
8270E MSSV RV	Analytical Method: EPA 8270E Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
Phenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	111-44-4	
2-Chlorophenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	108-60-1	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41		
N-Nitroso-di-n-propylamine	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	621-64-7	
Hexachloroethane	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	67-72-1	
Nitrobenzene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	98-95-3	
Isophorone	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	78-59-1	
2-Nitrophenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	88-75-5	
2,4-Dimethylphenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	111-91-1	
2,4-Dichlorophenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	120-82-1	
Naphthalene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	91-20-3	
4-Chloroaniline	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	59-50-7	
2-Methylnaphthalene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	91-57-6	



REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

ANALYTICAL RESULTS

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Sample: DESCARGA **Lab ID: 20333273001** Collected: 10/10/24 11:00 Received: 10/10/24 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV RV	Analytical Method: EPA 8270E Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
2,4,6-Trichlorophenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	95-95-4	
2-Chloronaphthalene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	91-58-7	
2-Nitroaniline	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	88-74-4	
Dimethylphthalate	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	131-11-3	
Acenaphthylene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	606-20-2	
3-Nitroaniline	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	99-09-2	
Acenaphthene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	83-32-9	
2,4-Dinitrophenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	51-28-5	
4-Nitrophenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	100-02-7	
Dibenzofuran	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	121-14-2	
Diethylphthalate	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	7005-72-3	
Fluorene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	86-73-7	
4-Nitroaniline	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	101-55-3	
Hexachlorobenzene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	118-74-1	
Pentachlorophenol	ND	ug/L	200	1	10/14/24 16:01	10/16/24 23:41	87-86-5	
Phenanthrene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	85-01-8	
Anthracene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	120-12-7	
Di-n-butylphthalate	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	84-74-2	L1
Fluoranthene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	206-44-0	
Pyrene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	129-00-0	
Butylbenzylphthalate	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	500	1	10/14/24 16:01	10/16/24 23:41	91-94-1	
Benzo(a)anthracene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	56-55-3	
Chrysene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	117-81-7	
Di-n-octylphthalate	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	207-08-9	
Benzo(a)pyrene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	122-66-7	
Carbazole	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	86-74-8	
1-Methylnaphthalene	ND	ug/L	100	1	10/14/24 16:01	10/16/24 23:41	90-12-0	
Surrogates								
Nitrobenzene-d5 (S)	74	%.	51-125	1	10/14/24 16:01	10/16/24 23:41	4165-60-0	
2-Fluorobiphenyl (S)	55	%.	30-125	1	10/14/24 16:01	10/16/24 23:41	321-60-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

ANALYTICAL RESULTS

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Sample: DESCARGA **Lab ID: 20333273001** Collected: 10/10/24 11:00 Received: 10/10/24 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV RV	Analytical Method: EPA 8270E Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
Surrogates								
p-Terphenyl-d14 (S)	88	%.	69-125	1	10/14/24 16:01	10/16/24 23:41	1718-51-0	
Phenol-d6 (S)	46	%.	23-125	1	10/14/24 16:01	10/16/24 23:41	13127-88-3	
2-Fluorophenol (S)	50	%.	34-125	1	10/14/24 16:01	10/16/24 23:41	367-12-4	
2,4,6-Tribromophenol (S)	48	%.	59-125	1	10/14/24 16:01	10/16/24 23:41	118-79-6	S0
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans							
Acetone	ND	ug/L	200	50		10/17/24 13:07	67-64-1	D3,F1
Benzene	ND	ug/L	25.0	50		10/17/24 13:07	71-43-2	
Bromodichloromethane	ND	ug/L	25.0	50		10/17/24 13:07	75-27-4	
Bromoform	ND	ug/L	50.0	50		10/17/24 13:07	75-25-2	
Bromomethane	ND	ug/L	25.0	50		10/17/24 13:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	50		10/17/24 13:07	78-93-3	
Carbon disulfide	ND	ug/L	50.0	50		10/17/24 13:07	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	50		10/17/24 13:07	56-23-5	
Chlorobenzene	ND	ug/L	25.0	50		10/17/24 13:07	108-90-7	
Chloroethane	ND	ug/L	25.0	50		10/17/24 13:07	75-00-3	
Chloroform	ND	ug/L	25.0	50		10/17/24 13:07	67-66-3	
Chloromethane	ND	ug/L	25.0	50		10/17/24 13:07	74-87-3	
Dibromochloromethane	ND	ug/L	25.0	50		10/17/24 13:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	50		10/17/24 13:07	106-93-4	
Dichlorodifluoromethane	ND	ug/L	50.0	50		10/17/24 13:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	50		10/17/24 13:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	50		10/17/24 13:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	50		10/17/24 13:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	50		10/17/24 13:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	50		10/17/24 13:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	50		10/17/24 13:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	25.0	50		10/17/24 13:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	50		10/17/24 13:07	10061-02-6	
Ethylbenzene	ND	ug/L	25.0	50		10/17/24 13:07	100-41-4	
2-Hexanone	ND	ug/L	50.0	50		10/17/24 13:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	50		10/17/24 13:07	98-82-8	
Methyl acetate	ND	ug/L	100	50		10/17/24 13:07	79-20-9	
Methylene Chloride	ND	ug/L	25.0	50		10/17/24 13:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	50		10/17/24 13:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	25.0	50		10/17/24 13:07	1634-04-4	
Styrene	ND	ug/L	50.0	50		10/17/24 13:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	50		10/17/24 13:07	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	50		10/17/24 13:07	127-18-4	
Toluene	ND	ug/L	25.0	50		10/17/24 13:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	25.0	50		10/17/24 13:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	50		10/17/24 13:07	79-00-5	
Trichloroethene	ND	ug/L	25.0	50		10/17/24 13:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50		10/17/24 13:07	75-69-4	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

ANALYTICAL RESULTS

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Sample: DESCARGA **Lab ID: 20333273001** Collected: 10/10/24 11:00 Received: 10/10/24 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans							
Vinyl chloride	ND	ug/L	25.0	50		10/17/24 13:07	75-01-4	
m&p-Xylene	ND	ug/L	100	50		10/17/24 13:07	179601-23-1	
o-Xylene	ND	ug/L	50.0	50		10/17/24 13:07	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	68-124	50		10/17/24 13:07	460-00-4	
Dibromofluoromethane (S)	100	%.	72-126	50		10/17/24 13:07	1868-53-7	
Toluene-d8 (S)	98	%.	79-119	50		10/17/24 13:07	2037-26-5	
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010 Pace Analytical Services - New Orleans							
Flashpoint	**>212**	deg F	75.0	1		10/15/24 13:46		
HEM, Oil and Grease	Analytical Method: EPA 1664B, 2010 Pace Analytical Services - New Orleans							
Oil and Grease	ND	mg/L	16.7	1		10/24/24 08:31		P1
2540D Total Suspended Solids	Analytical Method: SM 2540D 2011 Pace Analytical Services - New Orleans							
Total Suspended Solids	**204**	mg/L	20.0	1		10/16/24 14:22		P1
Total Nitrogen Calculation	Analytical Method: 40CFR PART 432.2 Pace Analytical Services - New Orleans							
Nitrogen	**688**	mg/L	0.15	1		10/23/24 07:55	7727-37-9	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - New Orleans							
Nitrogen, Kjeldahl, Total	**686**	mg/L	30.0	10	10/14/24 11:41	10/16/24 12:53	7727-37-9	D4
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E Preparation Method: SM 4500-CN-C Pace Analytical Services - New Orleans							
Cyanide	ND	mg/L	0.12	1	10/15/24 09:28	10/15/24 13:55	57-12-5	P1
4500NO3-F, NO3-NO2	Analytical Method: SM 4500-NO3 F Pace Analytical Services - New Orleans							
Nitrogen, NO2 plus NO3	ND	mg/L	5.0	100		10/17/24 17:07		D3
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02 Pace Analytical Services - New Orleans							
Sulfate	**63.7**	mg/L	50.0	50		10/18/24 12:23	14808-79-8	D4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 344744
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20333273001

METHOD BLANK: 1656647 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/16/24 12:46	

LABORATORY CONTROL SAMPLE: 1656648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	0.94	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1656649 1656650

Parameter	Units	20332777001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.064	1	1	0.92	0.92	92	92	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 344874
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20333273001

METHOD BLANK: 1657378 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	10/17/24 11:49	
Cadmium	ug/L	ND	5.0	10/17/24 11:49	
Chromium	ug/L	ND	10.0	10/17/24 11:49	
Copper	ug/L	ND	10.0	10/17/24 11:49	
Lead	ug/L	ND	5.0	10/17/24 11:49	
Manganese	ug/L	ND	10.0	10/17/24 11:49	
Nickel	ug/L	ND	40.0	10/17/24 11:49	
Selenium	ug/L	ND	20.0	10/17/24 11:49	
Zinc	ug/L	ND	20.0	10/17/24 11:49	

LABORATORY CONTROL SAMPLE: 1657379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	1000	100	85-115	
Cadmium	ug/L	1000	1020	102	85-115	
Chromium	ug/L	1000	1010	101	85-115	
Copper	ug/L	1000	1000	100	85-115	
Lead	ug/L	1000	998	100	85-115	
Manganese	ug/L	1000	999	100	85-115	
Nickel	ug/L	1000	997	100	85-115	
Selenium	ug/L	1000	925	93	85-115	
Zinc	ug/L	1000	995	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1657380 1657381

Parameter	Units	20333233001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	0.20 mg/L	1000	1000	1150	1160	95	96	80-120	1	20	
Cadmium	ug/L	ND	1000	1000	895	903	89	90	80-120	1	20	
Chromium	ug/L	0.24 mg/L	1000	1000	1140	1150	92	92	80-120	0	20	
Copper	ug/L	ND	1000	1000	1070	1080	105	106	80-120	1	20	
Lead	ug/L	ND	1000	1000	883	891	88	89	80-120	1	20	
Manganese	ug/L	0.32 mg/L	1000	1000	1210	1220	89	90	80-120	1	20	
Nickel	ug/L	0.28 mg/L	1000	1000	1160	1170	89	90	80-120	1	20	
Selenium	ug/L	ND	1000	1000	886	886	89	89	80-120	0	20	
Zinc	ug/L	0.29 mg/L	1000	1000	1160	1160	87	88	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 345249
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20333273001

METHOD BLANK: 1659378 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Silver	ug/L	ND	10.0	10/22/24 10:45	

LABORATORY CONTROL SAMPLE: 1659379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver	ug/L	500	497	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1659380 1659381

Parameter	Units	20333233001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Silver	ug/L	ND	500	500	490	490	98	98	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 345018
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Low Level
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20333273001

METHOD BLANK: 1658146 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	0.50	10/17/24 10:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	10/17/24 10:23	
1,1,2-Trichloroethane	ug/L	ND	0.50	10/17/24 10:23	
1,1-Dichloroethane	ug/L	ND	0.50	10/17/24 10:23	
1,1-Dichloroethene	ug/L	ND	0.50	10/17/24 10:23	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/17/24 10:23	
1,2-Dichloroethane	ug/L	ND	0.50	10/17/24 10:23	
1,2-Dichloropropane	ug/L	ND	0.50	10/17/24 10:23	
2-Butanone (MEK)	ug/L	ND	2.0	10/17/24 10:23	
2-Hexanone	ug/L	ND	1.0	10/17/24 10:23	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	1.0	10/17/24 10:23	
Acetone	ug/L	ND	4.0	10/17/24 10:23	
Benzene	ug/L	ND	0.50	10/17/24 10:23	
Bromodichloromethane	ug/L	ND	0.50	10/17/24 10:23	
Bromoform	ug/L	ND	1.0	10/17/24 10:23	
Bromomethane	ug/L	ND	0.50	10/17/24 10:23	
Carbon disulfide	ug/L	ND	1.0	10/17/24 10:23	
Carbon tetrachloride	ug/L	ND	0.50	10/17/24 10:23	
Chlorobenzene	ug/L	ND	0.50	10/17/24 10:23	
Chloroethane	ug/L	ND	0.50	10/17/24 10:23	
Chloroform	ug/L	ND	0.50	10/17/24 10:23	
Chloromethane	ug/L	ND	0.50	10/17/24 10:23	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/17/24 10:23	
cis-1,3-Dichloropropene	ug/L	ND	0.50	10/17/24 10:23	
Dibromochloromethane	ug/L	ND	0.50	10/17/24 10:23	
Dichlorodifluoromethane	ug/L	ND	1.0	10/17/24 10:23	
Ethylbenzene	ug/L	ND	0.50	10/17/24 10:23	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	10/17/24 10:23	
m&p-Xylene	ug/L	ND	2.0	10/17/24 10:23	
Methyl acetate	ug/L	ND	2.0	10/17/24 10:23	
Methyl-tert-butyl ether	ug/L	ND	0.50	10/17/24 10:23	
Methylene Chloride	ug/L	ND	0.50	10/17/24 10:23	
o-Xylene	ug/L	ND	1.0	10/17/24 10:23	
Styrene	ug/L	ND	1.0	10/17/24 10:23	
Tetrachloroethene	ug/L	ND	0.50	10/17/24 10:23	
Toluene	ug/L	ND	0.50	10/17/24 10:23	
trans-1,2-Dichloroethene	ug/L	ND	0.50	10/17/24 10:23	
trans-1,3-Dichloropropene	ug/L	ND	0.50	10/17/24 10:23	
Trichloroethene	ug/L	ND	0.50	10/17/24 10:23	
Trichlorofluoromethane	ug/L	ND	1.0	10/17/24 10:23	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

METHOD BLANK: 1658146 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	ND	0.50	10/17/24 10:23	
4-Bromofluorobenzene (S)	%.	104	68-124	10/17/24 10:23	
Dibromofluoromethane (S)	%.	101	72-126	10/17/24 10:23	
Toluene-d8 (S)	%.	99	79-119	10/17/24 10:23	

METHOD BLANK: 1659626 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	0.50	10/21/24 10:27	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	10/21/24 10:27	
1,1,2-Trichloroethane	ug/L	ND	0.50	10/21/24 10:27	
1,1-Dichloroethane	ug/L	ND	0.50	10/21/24 10:27	
1,1-Dichloroethene	ug/L	ND	0.50	10/21/24 10:27	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/21/24 10:27	
1,2-Dichloroethane	ug/L	ND	0.50	10/21/24 10:27	
1,2-Dichloropropane	ug/L	ND	0.50	10/21/24 10:27	
2-Butanone (MEK)	ug/L	ND	2.0	10/21/24 10:27	
2-Hexanone	ug/L	ND	1.0	10/21/24 10:27	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	1.0	10/21/24 10:27	
Acetone	ug/L	ND	4.0	10/21/24 10:27	
Benzene	ug/L	ND	0.50	10/21/24 10:27	
Bromodichloromethane	ug/L	ND	0.50	10/21/24 10:27	
Bromoform	ug/L	ND	1.0	10/21/24 10:27	
Bromomethane	ug/L	ND	0.50	10/21/24 10:27	
Carbon disulfide	ug/L	ND	1.0	10/21/24 10:27	
Carbon tetrachloride	ug/L	ND	0.50	10/21/24 10:27	
Chlorobenzene	ug/L	ND	0.50	10/21/24 10:27	
Chloroethane	ug/L	ND	0.50	10/21/24 10:27	
Chloroform	ug/L	ND	0.50	10/21/24 10:27	
Chloromethane	ug/L	ND	0.50	10/21/24 10:27	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/21/24 10:27	
cis-1,3-Dichloropropene	ug/L	ND	0.50	10/21/24 10:27	
Dibromochloromethane	ug/L	ND	0.50	10/21/24 10:27	
Dichlorodifluoromethane	ug/L	ND	1.0	10/21/24 10:27	
Ethylbenzene	ug/L	ND	0.50	10/21/24 10:27	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	10/21/24 10:27	
m&p-Xylene	ug/L	ND	2.0	10/21/24 10:27	
Methyl acetate	ug/L	ND	2.0	10/21/24 10:27	
Methyl-tert-butyl ether	ug/L	ND	0.50	10/21/24 10:27	
Methylene Chloride	ug/L	ND	0.50	10/21/24 10:27	
o-Xylene	ug/L	ND	1.0	10/21/24 10:27	
Styrene	ug/L	ND	1.0	10/21/24 10:27	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

METHOD BLANK: 1659626 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	0.50	10/21/24 10:27	
Toluene	ug/L	ND	0.50	10/21/24 10:27	
trans-1,2-Dichloroethene	ug/L	ND	0.50	10/21/24 10:27	
trans-1,3-Dichloropropene	ug/L	ND	0.50	10/21/24 10:27	
Trichloroethene	ug/L	ND	0.50	10/21/24 10:27	
Trichlorofluoromethane	ug/L	ND	1.0	10/21/24 10:27	
Vinyl chloride	ug/L	ND	0.50	10/21/24 10:27	
4-Bromofluorobenzene (S)	%.	102	68-124	10/21/24 10:27	
Dibromofluoromethane (S)	%.	103	72-126	10/21/24 10:27	
Toluene-d8 (S)	%.	98	79-119	10/21/24 10:27	

LABORATORY CONTROL SAMPLE: 1658147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.2	100	62-131	
1,1,2,2-Tetrachloroethane	ug/L	50	47.5	95	15-179	
1,1,2-Trichloroethane	ug/L	50	49.2	98	58-144	
1,1-Dichloroethane	ug/L	50	45.9	92	63-129	
1,1-Dichloroethene	ug/L	50	42.7	85	51-139	
1,2-Dibromoethane (EDB)	ug/L	50	49.0	98	52-161	
1,2-Dichloroethane	ug/L	50	51.2	102	57-148	
1,2-Dichloropropane	ug/L	50	46.3	93	66-128	
2-Butanone (MEK)	ug/L	50	52.9	106	32-183	
2-Hexanone	ug/L	50	55.2	110	36-170	
4-Methyl-2-pentanone (MIBK)	ug/L	50	51.9	104	26-171	
Acetone	ug/L	50	60.9	122	22-165	
Benzene	ug/L	50	45.3	91	62-131	
Bromodichloromethane	ug/L	50	51.8	104	69-132	
Bromoform	ug/L	50	55.4	111	35-166	
Bromomethane	ug/L	50	54.4	109	34-158	
Carbon disulfide	ug/L	50	40.2	80	31-128	
Carbon tetrachloride	ug/L	50	50.8	102	54-144	
Chlorobenzene	ug/L	50	48.2	96	70-127	
Chloroethane	ug/L	50	48.7	97	17-195	
Chloroform	ug/L	50	46.6	93	73-134	
Chloromethane	ug/L	50	43.9	88	17-153	
cis-1,2-Dichloroethene	ug/L	50	45.0	90	68-129	
cis-1,3-Dichloropropene	ug/L	50	51.9	104	72-138	
Dibromochloromethane	ug/L	50	51.3	103	49-146	
Dichlorodifluoromethane	ug/L	50	49.2	98	10-179	
Ethylbenzene	ug/L	50	50.2	100	66-126	
Isopropylbenzene (Cumene)	ug/L	50	51.4	103	51-138	
m&p-Xylene	ug/L	100	103	103	65-129	
Methyl acetate	ug/L	50	49.6	99	20-142	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

LABORATORY CONTROL SAMPLE: 1658147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	50	50.2	100	37-166	
Methylene Chloride	ug/L	50	43.2	86	46-168	
o-Xylene	ug/L	50	51.7	103	65-124	
Styrene	ug/L	50	51.0	102	72-133	
Tetrachloroethene	ug/L	50	51.0	102	46-157	
Toluene	ug/L	50	47.5	95	69-126	
trans-1,2-Dichloroethene	ug/L	50	44.3	89	60-129	
trans-1,3-Dichloropropene	ug/L	50	52.3	105	59-149	
Trichloroethene	ug/L	50	49.6	99	67-132	
Trichlorofluoromethane	ug/L	50	52.6	105	39-171	
Vinyl chloride	ug/L	50	47.8	96	27-149	
4-Bromofluorobenzene (S)	%.			100	68-124	
Dibromofluoromethane (S)	%.			95	72-126	
Toluene-d8 (S)	%.			96	79-119	

LABORATORY CONTROL SAMPLE: 1659627

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.9	110	62-131	
1,1,2,2-Tetrachloroethane	ug/L	50	43.2	86	15-179	
1,1,2-Trichloroethane	ug/L	50	48.0	96	58-144	
1,1-Dichloroethane	ug/L	50	49.5	99	63-129	
1,1-Dichloroethene	ug/L	50	52.8	106	51-139	
1,2-Dibromoethane (EDB)	ug/L	50	47.7	95	52-161	
1,2-Dichloroethane	ug/L	50	52.1	104	57-148	
1,2-Dichloropropane	ug/L	50	46.8	94	66-128	
2-Butanone (MEK)	ug/L	50	39.3	79	32-183	
2-Hexanone	ug/L	50	42.1	84	36-170	
4-Methyl-2-pentanone (MIBK)	ug/L	50	42.9	86	26-171	
Acetone	ug/L	50	42.3	85	22-165	
Benzene	ug/L	50	49.8	100	62-131	
Bromodichloromethane	ug/L	50	50.3	101	69-132	
Bromoform	ug/L	50	53.7	107	35-166	
Bromomethane	ug/L	50	64.1	128	34-158	
Carbon disulfide	ug/L	50	50.3	101	31-128	
Carbon tetrachloride	ug/L	50	57.5	115	54-144	
Chlorobenzene	ug/L	50	49.3	99	70-127	
Chloroethane	ug/L	50	53.5	107	17-195	
Chloroform	ug/L	50	48.7	97	73-134	
Chloromethane	ug/L	50	47.9	96	17-153	
cis-1,2-Dichloroethene	ug/L	50	49.6	99	68-129	
cis-1,3-Dichloropropene	ug/L	50	52.7	105	72-138	
Dibromochloromethane	ug/L	50	50.3	101	49-146	
Dichlorodifluoromethane	ug/L	50	56.7	113	10-179	
Ethylbenzene	ug/L	50	51.9	104	66-126	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

LABORATORY CONTROL SAMPLE: 1659627

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isopropylbenzene (Cumene)	ug/L	50	54.9	110	51-138	
m&p-Xylene	ug/L	100	107	107	65-129	
Methyl acetate	ug/L	50	48.8	98	20-142	
Methyl-tert-butyl ether	ug/L	50	49.5	99	37-166	
Methylene Chloride	ug/L	50	47.8	96	46-168	
o-Xylene	ug/L	50	52.8	106	65-124	
Styrene	ug/L	50	53.8	108	72-133	
Tetrachloroethene	ug/L	50	54.4	109	46-157	
Toluene	ug/L	50	49.8	100	69-126	
trans-1,2-Dichloroethene	ug/L	50	50.7	101	60-129	
trans-1,3-Dichloropropene	ug/L	50	51.8	104	59-149	
Trichloroethene	ug/L	50	52.8	106	67-132	
Trichlorofluoromethane	ug/L	50	58.8	118	39-171	
Vinyl chloride	ug/L	50	55.8	112	27-149	
4-Bromofluorobenzene (S)	%.			100	68-124	
Dibromofluoromethane (S)	%.			98	72-126	
Toluene-d8 (S)	%.			97	79-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1658148 1658149

Parameter	Units	20332802004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.17	50	50	59.1	55.3	118	111	54-137	7	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.24	50	50	42.5	49.6	85	99	15-187	15	20	
1,1,2-Trichloroethane	ug/L	<0.27	50	50	50.0	51.5	100	103	59-148	3	20	
1,1-Dichloroethane	ug/L	<0.21	50	50	53.3	51.4	107	103	59-133	3	20	
1,1-Dichloroethene	ug/L	<0.21	50	50	56.2	52.2	112	104	44-146	7	20	
1,2-Dibromoethane (EDB)	ug/L	<0.14	50	50	49.5	51.7	99	103	55-166	4	20	
1,2-Dichloroethane	ug/L	<0.35	50	50	53.5	54.4	107	109	56-154	2	20	
1,2-Dichloropropane	ug/L	<0.15	50	50	52.8	53.2	106	106	62-135	1	20	
2-Butanone (MEK)	ug/L	7.6	50	50	43.3	54.7	71	94	20-205	23	20	R1
2-Hexanone	ug/L	<0.37	50	50	42.6	51.9	85	104	25-189	20	20	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.64	50	50	42.7	54.0	85	108	23-184	23	20	R1
Acetone	ug/L	<2.0	50	50	90.7	104	181	209	11-217	14	20	
Benzene	ug/L	179	50	50	257	250	155	142	52-141	3	20	M1
Bromodichloromethane	ug/L	<0.12	50	50	54.7	53.8	109	108	70-134	2	20	
Bromoform	ug/L	<0.58	50	50	54.1	55.3	108	111	37-171	2	20	
Bromomethane	ug/L	<0.25	50	50	66.7	63.8	133	128	34-155	4	20	
Carbon disulfide	ug/L	<0.38	50	50	56.3	49.8	113	100	28-130	12	20	
Carbon tetrachloride	ug/L	<0.078	50	50	63.2	59.1	126	118	48-146	7	20	
Chlorobenzene	ug/L	<0.14	50	50	53.3	50.5	107	101	67-129	5	20	
Chloroethane	ug/L	<0.47	50	50	55.8	55.4	112	111	12-192	1	20	
Chloroform	ug/L	<0.18	50	50	51.8	50.2	104	100	66-143	3	20	
Chloromethane	ug/L	<0.17	50	50	58.2	58.7	116	117	14-155	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1658148 1658149

Parameter	Units	20332802004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,2-Dichloroethene	ug/L	<0.35	50	50	52.1	50.9	104	102	56-141	2	20	
cis-1,3-Dichloropropene	ug/L	<0.18	50	50	54.7	56.1	109	112	70-139	3	20	
Dibromochloromethane	ug/L	<0.12	50	50	52.0	51.9	104	104	50-150	0	20	
Dichlorodifluoromethane	ug/L	<0.23	50	50	54.6	52.8	109	106	10-173	3	20	
Ethylbenzene	ug/L	16.3	50	50	75.5	72.5	118	112	57-135	4	20	
Isopropylbenzene (Cumene)	ug/L	15.6	50	50	78.9	77.4	127	124	40-146	2	20	
m&p-Xylene	ug/L	23.3	100	100	144	138	121	115	56-136	4	20	
Methyl acetate	ug/L	<1.3	50	50	39.1	48.0	78	96	10-142	20	20	
Methyl-tert-butyl ether	ug/L	415	50	50	482	547	134	263	35-176	13	20	M1
Methylene Chloride	ug/L	<0.50	50	50	50.2	49.7	100	99	45-166	1	20	
o-Xylene	ug/L	1.3	50	50	58.5	56.7	114	111	57-133	3	20	
Styrene	ug/L	<0.14	50	50	58.5	55.9	117	112	58-144	4	20	
Tetrachloroethene	ug/L	<0.14	50	50	59.2	55.4	118	111	48-143	7	20	
Toluene	ug/L	3.3	50	50	58.3	54.5	110	102	59-136	7	20	
trans-1,2-Dichloroethene	ug/L	<0.22	50	50	54.0	51.1	108	102	57-132	5	20	
trans-1,3-Dichloropropene	ug/L	<0.26	50	50	54.4	54.7	109	109	59-154	0	20	
Trichloroethene	ug/L	<0.21	50	50	58.8	54.6	118	109	58-140	7	20	
Trichlorofluoromethane	ug/L	<0.58	50	50	62.8	58.1	126	116	24-175	8	20	
Vinyl chloride	ug/L	<0.16	50	50	59.7	60.1	119	120	21-150	1	20	
4-Bromofluorobenzene (S)	%.						95	98	68-124			
Dibromofluoromethane (S)	%.						93	96	72-126			
Toluene-d8 (S)	%.						97	95	79-119			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1658150 1658151

Parameter	Units	20333464003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.17	50	50	60.4	57.5	121	115	54-137	5	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.24	50	50	47.3	45.5	95	91	15-187	4	20	
1,1,2-Trichloroethane	ug/L	<0.27	50	50	49.3	48.1	99	96	59-148	2	20	
1,1-Dichloroethane	ug/L	<0.21	50	50	55.9	53.2	112	106	59-133	5	20	
1,1-Dichloroethene	ug/L	<0.21	50	50	61.9	59.1	124	118	44-146	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.14	50	50	49.7	47.9	99	96	55-166	4	20	
1,2-Dichloroethane	ug/L	<0.35	50	50	53.7	51.0	107	102	56-154	5	20	
1,2-Dichloropropane	ug/L	<0.15	50	50	53.2	51.2	106	102	62-135	4	20	
2-Butanone (MEK)	ug/L	<0.50	50	50	42.1	38.6	84	77	20-205	9	20	
2-Hexanone	ug/L	<0.37	50	50	45.8	42.4	92	85	25-189	8	20	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.64	50	50	44.1	42.3	88	85	23-184	4	20	
Acetone	ug/L	<2.0	50	50	45.3	44.7	88	86	11-217	1	20	
Benzene	ug/L	<0.16	50	50	56.2	53.1	112	106	52-141	6	20	
Bromodichloromethane	ug/L	<0.12	50	50	54.4	51.4	109	103	70-134	6	20	
Bromoform	ug/L	<0.58	50	50	50.9	49.7	102	99	37-171	2	20	
Bromomethane	ug/L	<0.25	50	50	67.9	64.2	136	128	34-155	6	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1658150 1658151

Parameter	Units	20333464003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbon disulfide	ug/L	<0.38	50	50	62.5	57.0	125	114	28-130	9	20	
Carbon tetrachloride	ug/L	<0.078	50	50	63.0	60.4	126	121	48-146	4	20	
Chlorobenzene	ug/L	<0.14	50	50	52.6	50.8	105	102	67-129	3	20	
Chloroethane	ug/L	<0.47	50	50	62.5	58.3	125	117	12-192	7	20	
Chloroform	ug/L	6.9	50	50	60.6	57.7	107	102	66-143	5	20	
Chloromethane	ug/L	<0.17	50	50	57.0	53.6	114	107	14-155	6	20	
cis-1,2-Dichloroethene	ug/L	<0.35	50	50	54.7	51.8	109	104	56-141	5	20	
cis-1,3-Dichloropropene	ug/L	<0.18	50	50	56.1	53.6	112	107	70-139	5	20	
Dibromochloromethane	ug/L	<0.12	50	50	50.9	49.6	102	99	50-150	3	20	
Dichlorodifluoromethane	ug/L	<0.23	50	50	60.3	57.5	121	115	10-173	5	20	
Ethylbenzene	ug/L	<0.17	50	50	56.0	55.0	112	110	57-135	2	20	
Isopropylbenzene (Cumene)	ug/L	<0.13	50	50	58.9	58.7	118	117	40-146	0	20	
m&p-Xylene	ug/L	<0.24	100	100	114	112	114	112	56-136	2	20	
Methyl acetate	ug/L	<1.3	50	50	44.1	39.5	88	79	10-142	11	20	
Methyl-tert-butyl ether	ug/L	<0.16	50	50	50.4	47.9	101	96	35-176	5	20	
Methylene Chloride	ug/L	<0.50	50	50	53.0	51.4	106	103	45-166	3	20	
o-Xylene	ug/L	<0.15	50	50	56.6	55.8	113	112	57-133	1	20	
Styrene	ug/L	<0.14	50	50	56.9	55.1	114	110	58-144	3	20	
Tetrachloroethene	ug/L	<0.14	50	50	57.3	55.6	115	111	48-143	3	20	
Toluene	ug/L	<0.17	50	50	54.5	53.1	109	106	59-136	3	20	
trans-1,2-Dichloroethene	ug/L	<0.22	50	50	57.6	54.9	115	110	57-132	5	20	
trans-1,3-Dichloropropene	ug/L	<0.26	50	50	54.3	52.8	109	106	59-154	3	20	
Trichloroethene	ug/L	<0.21	50	50	58.4	54.9	117	110	58-140	6	20	
Trichlorofluoromethane	ug/L	<0.58	50	50	64.9	61.4	130	123	24-175	6	20	
Vinyl chloride	ug/L	<0.16	50	50	69.7	64.0	139	128	21-150	9	20	
4-Bromofluorobenzene (S)	%.						101	100	68-124			
Dibromofluoromethane (S)	%.						96	95	72-126			
Toluene-d8 (S)	%.						96	97	79-119			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 973405
QC Batch Method: EPA 3510C
Analysis Method: EPA 8081B
Analysis Description: 8081B GCS Pesticides
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 20333273001

METHOD BLANK: 5087606 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	10/15/24 20:30	
4,4'-DDE	ug/L	ND	0.10	10/15/24 20:30	
4,4'-DDT	ug/L	ND	0.10	10/15/24 20:30	
Aldrin	ug/L	ND	0.050	10/15/24 20:30	
alpha-BHC	ug/L	ND	0.050	10/15/24 20:30	
alpha-Chlordane	ug/L	ND	0.050	10/15/24 20:30	
beta-BHC	ug/L	ND	0.050	10/15/24 20:30	
Chlordane (Technical)	ug/L	ND	0.50	10/15/24 20:30	
delta-BHC	ug/L	ND	0.050	10/15/24 20:30	
Dieldrin	ug/L	ND	0.10	10/15/24 20:30	
Endosulfan I	ug/L	ND	0.050	10/15/24 20:30	
Endosulfan II	ug/L	ND	0.10	10/15/24 20:30	
Endosulfan sulfate	ug/L	ND	0.10	10/15/24 20:30	
Endrin	ug/L	ND	0.10	10/15/24 20:30	
Endrin aldehyde	ug/L	ND	0.10	10/15/24 20:30	
Endrin ketone	ug/L	ND	0.10	10/15/24 20:30	
gamma-BHC (Lindane)	ug/L	ND	0.050	10/15/24 20:30	
gamma-Chlordane	ug/L	ND	0.050	10/15/24 20:30	
Heptachlor	ug/L	ND	0.050	10/15/24 20:30	
Heptachlor epoxide	ug/L	ND	0.050	10/15/24 20:30	
Methoxychlor	ug/L	ND	0.50	10/15/24 20:30	
Toxaphene	ug/L	ND	1.5	10/15/24 20:30	
Decachlorobiphenyl (S)	%.	80	46-125	10/15/24 20:30	
Tetrachloro-m-xylene (S)	%.	82	49-125	10/15/24 20:30	

LABORATORY CONTROL SAMPLE & LCSD: 5087607 5087608

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
4,4'-DDD	ug/L	1	0.91	0.90	91	90	68-125	1	20	
4,4'-DDE	ug/L	1	0.90	0.89	90	89	70-125	1	20	
4,4'-DDT	ug/L	1	0.88	0.83	88	83	54-133	6	20	
Aldrin	ug/L	0.5	0.39	0.40	79	80	42-125	2	20	
alpha-BHC	ug/L	0.5	0.45	0.44	89	89	70-125	1	20	
alpha-Chlordane	ug/L	0.5	0.44	0.44	88	87	69-125	1	20	
beta-BHC	ug/L	0.5	0.44	0.44	89	87	75-125	2	20	
delta-BHC	ug/L	0.5	0.36	0.36	73	72	30-125	2	20	
Dieldrin	ug/L	1	0.90	0.89	90	89	69-125	2	20	
Endosulfan I	ug/L	0.5	0.44	0.44	88	87	71-125	1	20	
Endosulfan II	ug/L	1	0.88	0.87	88	87	70-125	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

LABORATORY CONTROL SAMPLE & LCSD: 5087607 5087608

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Endosulfan sulfate	ug/L	1	0.85	0.83	85	83	57-131	2	20	
Endrin	ug/L	1	0.88	0.86	88	86	70-125	3	20	
Endrin aldehyde	ug/L	1	0.90	0.86	90	86	67-125	3	20	
Endrin ketone	ug/L	1	0.88	0.85	88	85	65-129	3	20	
gamma-BHC (Lindane)	ug/L	0.5	0.45	0.44	89	88	71-125	1	20	
gamma-Chlordane	ug/L	0.5	0.44	0.43	88	87	68-125	1	20	
Heptachlor	ug/L	0.5	0.39	0.40	79	79	60-125	1	20	
Heptachlor epoxide	ug/L	0.5	0.44	0.43	88	86	71-125	1	20	
Methoxychlor	ug/L	5	4.4	4.1	88	83	55-143	6	20	
Decachlorobiphenyl (S)	%.				85	83	46-125			
Tetrachloro-m-xylene (S)	%.				89	86	49-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 973408
QC Batch Method: EPA 3510C
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 20333273001

METHOD BLANK: 5087615 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.10	10/15/24 10:54	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.10	10/15/24 10:54	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.10	10/15/24 10:54	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.10	10/15/24 10:54	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.10	10/15/24 10:54	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.10	10/15/24 10:54	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.10	10/15/24 10:54	
Decachlorobiphenyl (S)	%.	71	34-125	10/15/24 10:54	
Tetrachloro-m-xylene (S)	%.	72	30-125	10/15/24 10:54	

LABORATORY CONTROL SAMPLE & LCSD: 5087616 5087617

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2	1.5	1.5	74	75	45-125	1	20	
PCB-1260 (Aroclor 1260)	ug/L	2	1.6	1.7	79	83	45-125	5	20	
Decachlorobiphenyl (S)	%.				83	82	34-125			
Tetrachloro-m-xylene (S)	%.				61	63	30-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 973406
QC Batch Method: EPA 3510C
Analysis Method: EPA 8270E
Analysis Description: 8270E Water MSSV RV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 20333273001

METHOD BLANK: 5087610 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	10/16/24 15:15	
1,2-Dichlorobenzene	ug/L	ND	10.0	10/16/24 15:15	
1,2-Diphenylhydrazine	ug/L	ND	10.0	10/16/24 15:15	
1,3-Dichlorobenzene	ug/L	ND	10.0	10/16/24 15:15	
1,4-Dichlorobenzene	ug/L	ND	10.0	10/16/24 15:15	
1-Methylnaphthalene	ug/L	ND	10.0	10/16/24 15:15	
2,4,5-Trichlorophenol	ug/L	ND	10.0	10/16/24 15:15	
2,4,6-Trichlorophenol	ug/L	ND	10.0	10/16/24 15:15	
2,4-Dichlorophenol	ug/L	ND	10.0	10/16/24 15:15	
2,4-Dimethylphenol	ug/L	ND	10.0	10/16/24 15:15	
2,4-Dinitrophenol	ug/L	ND	10.0	10/16/24 15:15	
2,4-Dinitrotoluene	ug/L	ND	10.0	10/16/24 15:15	
2,6-Dinitrotoluene	ug/L	ND	10.0	10/16/24 15:15	
2-Chloronaphthalene	ug/L	ND	10.0	10/16/24 15:15	
2-Chlorophenol	ug/L	ND	10.0	10/16/24 15:15	
2-Methylnaphthalene	ug/L	ND	10.0	10/16/24 15:15	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/16/24 15:15	
2-Nitroaniline	ug/L	ND	10.0	10/16/24 15:15	
2-Nitrophenol	ug/L	ND	10.0	10/16/24 15:15	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	10/16/24 15:15	
3,3'-Dichlorobenzidine	ug/L	ND	50.0	10/16/24 15:15	
3-Nitroaniline	ug/L	ND	10.0	10/16/24 15:15	
4,6-Dinitro-2-methylphenol	ug/L	ND	10.0	10/16/24 15:15	
4-Bromophenylphenyl ether	ug/L	ND	10.0	10/16/24 15:15	
4-Chloro-3-methylphenol	ug/L	ND	10.0	10/16/24 15:15	
4-Chloroaniline	ug/L	ND	10.0	10/16/24 15:15	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	10/16/24 15:15	
4-Nitroaniline	ug/L	ND	10.0	10/16/24 15:15	
4-Nitrophenol	ug/L	ND	10.0	10/16/24 15:15	
Acenaphthene	ug/L	ND	10.0	10/16/24 15:15	
Acenaphthylene	ug/L	ND	10.0	10/16/24 15:15	
Anthracene	ug/L	ND	10.0	10/16/24 15:15	
Benzo(a)anthracene	ug/L	ND	10.0	10/16/24 15:15	
Benzo(a)pyrene	ug/L	ND	10.0	10/16/24 15:15	
Benzo(b)fluoranthene	ug/L	ND	10.0	10/16/24 15:15	
Benzo(g,h,i)perylene	ug/L	ND	10.0	10/16/24 15:15	
Benzo(k)fluoranthene	ug/L	ND	10.0	10/16/24 15:15	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	10/16/24 15:15	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	10/16/24 15:15	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	10/16/24 15:15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

METHOD BLANK: 5087610 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	10/16/24 15:15	
Butylbenzylphthalate	ug/L	ND	10.0	10/16/24 15:15	
Carbazole	ug/L	ND	10.0	10/16/24 15:15	
Chrysene	ug/L	ND	10.0	10/16/24 15:15	
Di-n-butylphthalate	ug/L	15.2	10.0	10/16/24 15:15	
Di-n-octylphthalate	ug/L	ND	10.0	10/16/24 15:15	
Dibenz(a,h)anthracene	ug/L	ND	10.0	10/16/24 15:15	
Dibenzofuran	ug/L	ND	10.0	10/16/24 15:15	
Diethylphthalate	ug/L	ND	10.0	10/16/24 15:15	
Dimethylphthalate	ug/L	ND	10.0	10/16/24 15:15	
Fluoranthene	ug/L	ND	10.0	10/16/24 15:15	
Fluorene	ug/L	ND	10.0	10/16/24 15:15	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	10/16/24 15:15	
Hexachlorobenzene	ug/L	ND	10.0	10/16/24 15:15	
Hexachloroethane	ug/L	ND	10.0	10/16/24 15:15	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	10/16/24 15:15	
Isophorone	ug/L	ND	10.0	10/16/24 15:15	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	10/16/24 15:15	
N-Nitrosodimethylamine	ug/L	ND	10.0	10/16/24 15:15	
N-Nitrosodiphenylamine	ug/L	ND	10.0	10/16/24 15:15	
Naphthalene	ug/L	ND	10.0	10/16/24 15:15	
Nitrobenzene	ug/L	ND	10.0	10/16/24 15:15	
Pentachlorophenol	ug/L	ND	20.0	10/16/24 15:15	
Phenanthrene	ug/L	ND	10.0	10/16/24 15:15	
Phenol	ug/L	ND	10.0	10/16/24 15:15	
Pyrene	ug/L	ND	10.0	10/16/24 15:15	
2,4,6-Tribromophenol (S)	%.	86	59-125	10/16/24 15:15	
2-Fluorobiphenyl (S)	%.	70	30-125	10/16/24 15:15	
2-Fluorophenol (S)	%.	61	34-125	10/16/24 15:15	
Nitrobenzene-d5 (S)	%.	77	51-125	10/16/24 15:15	
p-Terphenyl-d14 (S)	%.	97	69-125	10/16/24 15:15	
Phenol-d6 (S)	%.	52	23-125	10/16/24 15:15	

LABORATORY CONTROL SAMPLE & LCSD: 5087611 5087612

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	32.6	30.3	65	61	30-125	7	20	
1,2-Dichlorobenzene	ug/L	50	35.7	31.6	71	63	30-125	12	20	
1,2-Diphenylhydrazine	ug/L	50	43.1	43.2	86	86	53-125	0	20	
1,3-Dichlorobenzene	ug/L	50	33.5	31.3	67	63	30-125	7	20	
1,4-Dichlorobenzene	ug/L	50	35.1	31.8	70	64	30-125	10	20	
1-Methylnaphthalene	ug/L	50	36.1	34.1	72	68	30-125	6	20	
2,4,5-Trichlorophenol	ug/L	50	47.8	45.8	96	92	56-125	4	20	
2,4,6-Trichlorophenol	ug/L	50	45.0	44.3	90	89	48-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

LABORATORY CONTROL SAMPLE & LCSD: 5087611 5087612

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4-Dichlorophenol	ug/L	50	43.7	42.0	87	84	43-125	4	20	
2,4-Dimethylphenol	ug/L	50	33.2	32.8	66	66	36-125	1	20	
2,4-Dinitrophenol	ug/L	50	42.9	47.5	86	95	43-125	10	20	
2,4-Dinitrotoluene	ug/L	50	49.6	48.7	99	97	57-126	2	20	
2,6-Dinitrotoluene	ug/L	50	48.6	49.0	97	98	57-125	1	20	
2-Chloronaphthalene	ug/L	50	35.7	32.0	71	64	30-125	11	20	
2-Chlorophenol	ug/L	50	42.5	39.5	85	79	32-125	8	20	
2-Methylnaphthalene	ug/L	50	40.7	37.8	81	76	30-125	7	20	
2-Methylphenol(o-Cresol)	ug/L	50	40.5	38.1	81	76	31-125	6	20	
2-Nitroaniline	ug/L	50	47.2	48.0	94	96	51-125	2	20	
2-Nitrophenol	ug/L	50	44.2	40.7	88	81	34-125	8	20	
3&4-Methylphenol(m&p Cresol)	ug/L	50	38.6	36.8	77	74	33-125	5	20	
3,3'-Dichlorobenzidine	ug/L	50	46.9J	46J	94	92	52-133		20	
3-Nitroaniline	ug/L	50	48.9	47.7	98	95	55-126	2	20	
4,6-Dinitro-2-methylphenol	ug/L	50	50.6	51.4	101	103	60-125	2	20	
4-Bromophenylphenyl ether	ug/L	50	40.5	40.6	81	81	49-125	0	20	
4-Chloro-3-methylphenol	ug/L	50	44.2	43.9	88	88	50-125	1	20	
4-Chloroaniline	ug/L	50	39.2	37.0	78	74	30-134	6	20	
4-Chlorophenylphenyl ether	ug/L	50	37.1	38.5	74	77	39-125	4	20	
4-Nitroaniline	ug/L	50	50.5	49.9	101	100	58-126	1	20	
4-Nitrophenol	ug/L	50	30.0	30.3	60	61	30-125	1	20	
Acenaphthene	ug/L	50	37.8	35.7	76	71	33-125	6	20	
Acenaphthylene	ug/L	50	37.4	35.2	75	70	37-125	6	20	
Anthracene	ug/L	50	43.3	44.3	87	89	55-125	2	20	
Benzo(a)anthracene	ug/L	50	47.5	45.0	95	90	62-125	5	20	
Benzo(a)pyrene	ug/L	50	46.6	47.6	93	95	60-125	2	20	
Benzo(b)fluoranthene	ug/L	50	48.5	48.2	97	96	60-130	1	20	
Benzo(g,h,i)perylene	ug/L	50	43.6	44.5	87	89	57-132	2	20	
Benzo(k)fluoranthene	ug/L	50	47.4	48.1	95	96	60-133	2	20	
bis(2-Chloroethoxy)methane	ug/L	50	43.5	40.8	87	82	42-125	7	20	
bis(2-Chloroethyl) ether	ug/L	50	43.5	40.0	87	80	37-125	8	20	
bis(2-Chloroisopropyl) ether	ug/L	50	40.3	38.0	81	76	30-125	6	20	
bis(2-Ethylhexyl)phthalate	ug/L	50	48.1	48.0	96	96	62-125	0	20	
Butylbenzylphthalate	ug/L	50	47.0	47.4	94	95	63-125	1	20	
Carbazole	ug/L	50	47.9	47.6	96	95	63-125	1	20	
Chrysene	ug/L	50	47.5	46.1	95	92	64-125	3	20	
Di-n-butylphthalate	ug/L	50	56.0	67.6	112	135	62-125	19	20	L1
Di-n-octylphthalate	ug/L	50	49.4	48.8	99	98	57-131	1	20	
Dibenz(a,h)anthracene	ug/L	50	47.3	46.7	95	93	61-130	1	20	
Dibenzofuran	ug/L	50	40.0	38.5	80	77	40-125	4	20	
Diethylphthalate	ug/L	50	46.7	46.7	93	93	58-125	0	20	
Dimethylphthalate	ug/L	50	45.5	45.8	91	92	56-125	1	20	
Fluoranthene	ug/L	50	44.7	44.5	89	89	61-125	0	20	
Fluorene	ug/L	50	39.3	40.6	79	81	45-125	3	20	
Hexachloro-1,3-butadiene	ug/L	50	28.3	26.2	57	52	30-125	8	20	
Hexachlorobenzene	ug/L	50	43.0	43.8	86	88	51-125	2	20	
Hexachloroethane	ug/L	50	29.3	23.9	59	48	30-125	20	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

LABORATORY CONTROL SAMPLE & LCSD: 5087611 5087612

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	50	45.6	48.7	91	97	56-131	7	20	
Isophorone	ug/L	50	43.7	41.6	87	83	42-125	5	20	
N-Nitroso-di-n-propylamine	ug/L	50	43.2	40.4	86	81	38-125	7	20	
N-Nitrosodimethylamine	ug/L	50	40.5	36.9	81	74	31-125	9	20	
N-Nitrosodiphenylamine	ug/L	50	44.9	46.8	90	94	53-125	4	20	
Naphthalene	ug/L	50	37.0	35.4	74	71	30-125	4	20	
Nitrobenzene	ug/L	50	44.1	42.2	88	84	38-125	4	20	
Pentachlorophenol	ug/L	50	45.0	44.7	90	89	60-125	1	20	
Phenanthrene	ug/L	50	42.4	43.7	85	87	60-125	3	20	
Phenol	ug/L	50	28.8	27.1	58	54	15-125	6	20	
Pyrene	ug/L	50	45.0	45.1	90	90	62-125	0	20	
2,4,6-Tribromophenol (S)	%.				103	129	59-125			S0
2-Fluorobiphenyl (S)	%.				73	84	30-125			
2-Fluorophenol (S)	%.				75	84	34-125			
Nitrobenzene-d5 (S)	%.				92	111	51-125			
p-Terphenyl-d14 (S)	%.				107	127	69-125			S0
Phenol-d6 (S)	%.				62	72	23-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 344762
QC Batch Method: EPA 1010
Analysis Method: EPA 1010
Analysis Description: 1010 Flash Point, Closed Cup
Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20333273001

LABORATORY CONTROL SAMPLE: 1656684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Flashpoint	deg F		82.2			

SAMPLE DUPLICATE: 1656685

Parameter	Units	20333273001 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	>212	>212			

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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 345602
QC Batch Method: EPA 1664B, 2010
Analysis Method: EPA 1664B, 2010
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20333273001

METHOD BLANK: 1661177 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/24/24 08:31	

LABORATORY CONTROL SAMPLE: 1661178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	34.0	85	78-114	

MATRIX SPIKE SAMPLE: 1661179

Parameter	Units	20333545001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40	33.3	81	78-114	

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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 344863
QC Batch Method: SM 2540D 2011
Analysis Method: SM 2540D 2011
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20333273001

METHOD BLANK: 1657245 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	2.5	10/16/24 14:22	

LABORATORY CONTROL SAMPLE: 1657246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	99.0	99	80-120	

SAMPLE DUPLICATE: 1657470

Parameter	Units	20333285001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 1657471

Parameter	Units	20333301001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	17.0	14.5	16	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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 344634
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20333273001

METHOD BLANK: 1656237 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.15	10/16/24 12:27	

LABORATORY CONTROL SAMPLE: 1656238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4.5	4.2	92	80-120	

MATRIX SPIKE SAMPLE: 1656240

Parameter	Units	20333201002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	6.6	2.5	9.9	132	75-125	M1

SAMPLE DUPLICATE: 1656239

Parameter	Units	20333201002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	6.6	7.2	8	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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 344703
QC Batch Method: SM 4500-CN-C
Analysis Method: SM 4500-CN-E
Analysis Description: 4500CNE Cyanide, Total
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20333273001

METHOD BLANK: 1656481 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.020	10/15/24 14:11	

LABORATORY CONTROL SAMPLE: 1656482

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.1	0.096	96	80-120	

MATRIX SPIKE SAMPLE: 1656484

Parameter	Units	92756780002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	0.1	0.096	94	75-125	

SAMPLE DUPLICATE: 1656483

Parameter	Units	92756780002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	ND	ND		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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 344975
QC Batch Method: SM 4500-NO3 F
Analysis Method: SM 4500-NO3 F
Analysis Description: SM4500NO3-F, Nitrate, Preserved
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20333273001

METHOD BLANK: 1658006 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.050	10/17/24 16:36	

LABORATORY CONTROL SAMPLE: 1658007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	6	6.0	100	90-110	

MATRIX SPIKE SAMPLE: 1658009

Parameter	Units	20333147002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	1	1.0	99	80-120	

SAMPLE DUPLICATE: 1658008

Parameter	Units	20333147002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	.049J		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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

QC Batch: 345151
QC Batch Method: ASTM D516-90,02
Analysis Method: ASTM D516-90,02
Analysis Description: ASTM D516-9002 Sulfate Water
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20333273001

METHOD BLANK: 1658831 Matrix: Water
Associated Lab Samples: 20333273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	1.0	10/18/24 11:19	

LABORATORY CONTROL SAMPLE: 1658832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.2	101	90-110	

MATRIX SPIKE SAMPLE: 1658834

Parameter	Units	20333355001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	4.0	10	13.9	99	75-125	

SAMPLE DUPLICATE: 1658833

Parameter	Units	20333355001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L	4.0	3.1	26	20	D6

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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALIFIERS

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

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.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

BATCH QUALIFIERS

Batch: 973599

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 973623

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1b	Surrogate recovery outside control limits due to emulsion (not confirmed by re-analysis).
2b	Surrogate recovery outside control limits due to thick emulsion (not confirmed by re-analysis)
3b	Surrogate recovery outside control limits due to thick emulsion (not confirmed by re-analysis).
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D4	Sample was diluted due to the presence of high levels of target analytes.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
F1	The sample was analyzed at a dilution due to foaming of the sample in the purge vessel.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P1	Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALIFIERS

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

Pace Analytical Services, LLC
Caparra Gallery Plaza #107
Guaynabo, PR 00966

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOA ALTA LANDFILL
Pace Project No.: 20333273

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20333273001	**DESCARGA**				
20333273001	**DESCARGA**	EPA 3510C	973405	EPA 8081B	973680
20333273001	**DESCARGA**	EPA 3510C	973408	EPA 8082A	973599
20333273001	**DESCARGA**	EPA 3010	344874	EPA 6010	344937
20333273001	**DESCARGA**	EPA 3010	345249	EPA 6010	345346
20333273001	**DESCARGA**	EPA 7470	344744	EPA 7470	344839
20333273001	**DESCARGA**	EPA 3510C	973406	EPA 8270E	973623
20333273001	**DESCARGA**	EPA 5030B/8260	345018		
20333273001	**DESCARGA**	EPA 1010	344762		
20333273001	**DESCARGA**	EPA 1664B, 2010	345602		
20333273001	**DESCARGA**	SM 2540D 2011	344863		
20333273001	**DESCARGA**	40CFR PART 432.2	345505		
20333273001	**DESCARGA**	EPA 351.2	344634	EPA 351.2	344787
20333273001	**DESCARGA**	SM 4500-CN-C	344703	SM 4500-CN-E	344765
20333273001	**DESCARGA**	SM 4500-NO3 F	344975		
20333273001	**DESCARGA**	ASTM D516-90,02	345151		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

WO# : 20333273

20333273

Company: Tenatek	Billing Information: Same	
Address:		
Report To: Nina Ayala	Email To:	
Copy To:	Site Collection Info/Address: Toa Alta	
Customer Project Name/Number: TOA Alta Landfill	State: PR County/City: Toa Alta	Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #:	Compliance Monitoring? [✓] Yes [ ] No
Collected By (print): V. Perez	Purchase Order #: N/A Quote #:	DW PWS ID #: DW Location Code: N/A
Collected By (signature):	Turnaround Date Required: 10 TAT	Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)	Field Filtered (if applicable): [ ] Yes [X] No Analysis:

* 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)

LAB USE ... Container ... umber or

Container preservatives: U | U | 3 | 1 | U | V | U | 3 | 4 | 8

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	BOD, Surfactants	TSS, Flashpoint	Oil & Grease	Metals	SVOCs	PCBs	Pesticide	VOCs	Cyanide	Dioxin, SO4
Descargo	WW	g			10-10-24	11:00		19	2	2	2	1	2	2	2	3	1	2

Lab Profile/Line: 18277

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Temp. 2.1°C

Customer Remarks / Special Conditions / Possible Hazards:
Nota: Tomar pH en el Lab

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2815957

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: oC
Cooler 1 Therm Corr. Factor: oC
Cooler 1 Corrected Temp: oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	10/10/24 1230	[signature]	10/10/24 1230

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical

Urb. Jardines de Guaynabo
Calle Marginal Blq A-10
Guaynabo, PR 00969

Sample Condition Upon Rec

Projec

WO#: 20333273

PM: JAR1 Due Date: 10/24/24

CLIENT: 98-Terratek

Courier: ☐ Pace Courier ☐ Hired Courier ☐ Fed X ☐ UPS ☐ DHL ☐ USPS ☒ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] Custody Seals Intact: ☐Yes ☐No

Therometer Used:	☐ Therm Fisher IR 4 ☐ Therm Fisher IR 6 ☐ Therm Fisher IR 7

#15

Type of Ice: (Wet) Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: JM 10/10/24

Temp must be measured from Temperature blank when present

		Comments:
Temperature Blank Present"?	☐Yes ☐No ☒N/A	1
Chain of Custody Present:	☒Yes ☐No ☐N/A	2
Chain of Custody Complete:	☒Yes ☐No ☐N/A	3
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	4
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	5
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	6
Sufficient Volume:	☒Yes ☐No ☐N/A	7
Correct Containers Used:	☒Yes ☐No ☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes ☐No ☒N/A	9
Sample Labels match COC:	☒Yes ☐No ☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☒Yes ☐No ☐N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☒Yes ☐No ☐N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☒Yes ☐No ☐N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 ____ H2SO4 ____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	14
Trip Blank Present:	☐Yes ☒No	15

Client Notification/ Resolution:

Person Contacted: ______________________ Date/Time: ____________

Comments/ Resolution: ______________________

Internal Transfer Chain of Custody

Rush Multiplier_____X

Samples Pre-Logged into eCOC

Cert. Needed: ☐ Yes ☑ No

Workorder: 20333273 **Workorder Name:** TOA ALTA LANDFILL **Owner Received Date:** 10/10/2024 **Results Requested By:** 10/24/2024

Report to	Subcontract to
Juan Redondo Pace PR Service Center Urb. Jardines de Guaynabo Calle Marginal Blq A-10 Guayanbo, PR 00969 Phone (787)720-0319	Pace Analytical Minneapolis 1700 Elm Street SE Minneapolis, MN 55414 Phone (612)607-1700

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis: 8270,8081,8082	Dioxin										LAB USE ONLY
1	DESCARGA	PS	10/10/2024 11:00	20333273001	Water	2						X	X										
2																							
3																							
4																							
5																							

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	10/10/24 17:00	[signature]	10/10/24 17:00
2				
3				

Comments:

Cooler Temperature on Receipt °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

WO#: 20333273

PM: JAR1 Due Date: 10/24/24

CLIENT: 98-Terratek

INTER_LABORATORY WORK ORDER # 20333273
(To be completed by sending lab)

Ship To:
Pace Analytical Minneapolis
1700 Elm Street SE
Minneapolis, MN 55414
Phone (612)607-1700

Sending Project No:	20333273
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	10/10/24
REQUESTED COMPLETION DATE:	**10/24/2024**

Sending Region	IR20-New Orleans	Sending Project Mgr.	Juan Redondo
Receiving Region	IR10-Minnesota	External Client	Terratek PR
State of Sample Origin		QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Wet Cert. Needed N/A

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acodo	Acodo Desc
8270,8081,8082	AG1U		Unpreserved	1	SI-30MSSV	SUB PASI MSS
Dioxin	BP3U		Unpreserved	1	SI-35DXNH	SUB PASI DXNH

Special Requirements: ~~Report C, QC Limits (C),~~FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☑ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

To: SERVICE CENTER MANAGER PACE PR
CAPARRA GALLERY PLAZA
107 AVE ORTEGON STE 105
GUAYNABO, PR 00966-2521

Attn: MR. JUAN REDONDO
Source: **TERRATEK**
CAPARRA GALLERY PLAZA SUITE 105 107 GONZALEZ GIUSTI AVE. GUAYNABO, PR
Project Name: PROJECT #: TERRATEK
Facility: P.R. SERVICE CENTER
Description: WASTEWATER - Grab
Client Ref. #: N/A
Permit No: N/A

Laboratory Test Report

Sample Number:	**4090692**	Collected Date & Time:	**10/10/2024** 11:00	Date of Report:	10/18/2024
Work Order:	1724-01-01	Received Date & Time:	10/10/2024 11:54	Collected By:	CLIENT
Delivery Slip:	2024-13039	Temperature at Arrival:	2.0 °C	Eqlab Rep.:	ELAZARO
Folder Number:	363691			Proposal Number:	30632 - 1

Remarks:

					Limits			Analysis			Prep Method		
Parameter	Method	Results	Units	DQ	MDL	MRL	MCL	Date	Time	By	Date	By	Method
Biochemical Oxygen Demand	SM 5210 B	5751	mg/L	D	10	10	--	10/11/2024	10:40	JRG	--	--	N/A
Surfactants	SM 5540 C	0.130	mg/L as LAS, mol. wt. 320	D	0.100	0.400	--	10/11/2024	08:15	DSA	--	--	N/A

SONIA PICHARDO RODRIGUEZ Química Licenciada Estado Libre Asociado de Puerto Rico LIC. NUM. 453 A-2031829

Certified by Laboratory Director

ND = Not Detected MCL = Maximum Contaminant Level BDL = Below Detection Limit DNI = Does Not Ignite MDL = Minimum Detection Limit N/A = Not Applicable
MO = Monitoring Only MRL = Minimum Reporting Level PTRL = Pattern Recognition Level. All results are calculated on a wet weight basis unless otherwise stated. All results relate only to this sample.
+ = Parameter is not accredited under EQLab's NELAP Certification

ENVIRONMENTAL QUALITY LABORATORIES, INC.

SAMPLE DELIVERY SLIP & CHAIN OF CUSTODY

2024-13039

PO BOX 11458, SAN JUAN, PR 00910-1458 • TEL. (787) 288-6420, FAX (787) 288-6465, e-mail: info@eqlab.com

LIENT NAME: SERVICE CENTER MANAGER PACE PR   CLIENT ID: 1724-01   W.O. #: 01   SITE: CAPARRA GALLERY PLAZA SUITE 105 107 GONZALEZ GIUSTI AVE. GUAYNABO.   CLIENT REP: MR. JUAN REDONDO

O. #: N/A   PWSID #:   FOLDER #: 363691   PROJECT: SAMPLES 2024   EQLAB REP: ELAZARO

SAMPLE INFORMATION		CONTAINER INFORMATION	FIELD TESTING		ANALYSIS REQUESTED
SAMPLE #: 4090692-1 MATRIX: WASTEWATER SOURCE: TERRATEK, CAPARRA GALLERY PLAZA SUITE 105 107 GONZALEZ GIUSTI	DATE: 10/10/24 TIME: 11:00 TYPE: Grab	TYPE P/PC COLOR N/A VOLUME 2,000 PRESERVATIVE Cool 4 °C			Biochemical Oxygen Demand, Surfactants Preservative Verification: _Pass _No Pass _N/A
SAMPLE #: MATRIX: SOURCE:	DATE: TIME: TYPE:	TYPE COLOR VOLUME PRESERVATIVE			
SAMPLE #: MATRIX: SOURCE:	DATE: TIME: TYPE:	TYPE COLOR VOLUME PRESERVATIVE N/A			
SAMPLE #: MATRIX: SOURCE:	DATE: TIME: TYPE:	TYPE COLOR VOLUME PRESERVATIVE			

CUSTODY RECORD	SIGNATURE	DATE	TIME
Collected in field by:	[signature]	10/10/24	1100
Picked in field by:	[signature]	10/10/24	
Authorized by:	N/A	N/A	
Received by EQLF:			
Released to EQLL by:	Vicente Perez	10/10/24	1154
Received by EQLL:	[signature]	10/10/24	1154

SPECIAL INSTRUCTIONS / COMMENTS:

Thermometer ID: 202006   pH Test Strips Lot: N/A

*EQLF = Eqlab's Field Personnel.
*EQLL = Eqlab's Log-in Personnel.

P/AM

Arrival Temperature: 2.0 °C   Signature: [signature]

Eqlab's general terms and conditions on reverse side of this document.

363691

Pace Analytical
www.pacelabs.com

SUBCONTRACTING CHAIN –OF-CUSTODY

Pace Analytical Services, Inc.
Urb. Jardines de Guaynabo
St. Marginal Blq A-10
Guaynabo, P.R. 00969
Ph: (787)720-0319
Fax: (787)789-3858

Due Date: 10-19-2024
Subcontractor: Eq Lab
Contact: E Lazaro

Freight Carrier: _____
Air bill #: _____
EPN#: _____

Custody Seals: Intact / Broken / Missing
Samples: Intact / Broken / Missing
Cooler Temperature (^{0}C): _____

PACE SAMPLE ID	CLIENT SAMPLE ID	SAMPLE DATE/TIME	MATRIX	SAMPLE #	ANALYTE/ METHOD	SAMPLE COMMENTS
Terrafek	001 Descarga	10-10-24 11:20a	WW		BOD, M Bas	

Relinquished by:	Date/Time:	Received by:	Project Comments/Remarks
	101624	10/10/24 1154	
Relinquished by:	Date/Time:	Received by:	Project # Vertedero Taa & Hai
Relinquished by	Date/Time:	Received by	

REPORT RESULTS TO THE ADDRESS ABOVE TO THE ATTENTION OF JUAN REDONDO. If the hardcopy results cannot be delivered by the above due date, please contact Juan Redondo at the above number. Email: juan.redondo@pacelabs.com

ENVIRONMENTAL QUALITY LABORATORIES, INC.

SAMPLE DELIVERY SLIP & CHAIN OF CUSTODY

2024-13039

PO BOX 11458, SAN JUAN, PR 00910-1458 • TEL. (787) 288-6420, FAX (787) 288-6465, e-mail: info@eqlab.com

CLIENT NAME: SERVICE CENTER MANAGER PACE PR CLIENT ID: 1724-01 W.O. #: 01 SITE: CAPARRA GALLERY PLAZA SUITE 105 107 GONZALEZ GIUSTI AVE. GUAYNABO. CLIENT REP: MR. JUAN REDONDO

O. #: N/A PWSID #: FOLDER #: 353691 PROJECT: SAMPLES 2024 EQLAB REP: E.LAZARO

SAMPLE INFORMATION		CONTAINER INFORMATION	FIELD TESTING	ANALYSIS REQUESTED
SAMPLE #: 4090692-1 MATRIX: WASTEWATER SOURCE: TERRATEK, CAPARRA GALLERY PLAZA SUITE 105 107 GONZALEZ GIUSTI	DATE: 10/10/24 TIME: 11:00 TYPE: Grab	TYPE: P/PC COLOR: N/A VOLUME: 2,000 PRESERVATIVE: Cool 4 °C		Biochemical Oxygen Demand, Surfactants Preservative Verification __ Pass __ No Pass ✓ N/A
SAMPLE #: MATRIX: SOURCE:	DATE: TIME: TYPE:	TYPE COLOR VOLUME PRESERVATIVE		
SAMPLE #: MATRIX: SOURCE:	DATE: TIME: TYPE:	TYPE COLOR VOLUME PRESERVATIVE N/A		
SAMPLE #: MATRIX: SOURCE:	DATE: TIME: TYPE:	TYPE COLOR VOLUME PRESERVATIVE		

CUSTODY RECORD	SIGNATURE	DATE	TIME
Collected in field by:	[signature]	10/10/24	1100
Sealed in field by:	[signature]	10/10/24	
Authorized by:	N/A	N/A	
Received by EQLF:			
Released to EQLL by:	Vicente Perez	10/10/24	1154
Received by EQLL:	[signature]	10/10/24	1154

SPECIAL INSTRUCTIONS / COMMENTS:

Thermometer ID: 202006 pH Test Strips Lot: N/A

*EQLF = Eqlab's Field Personnel.
*EQLL = Eqlab's Log-in Personnel.

P1A7

Arrival Temperature: 2.0 °C Signature: [signature]

Eqlab's general terms and conditions on reverse side of this document.

ATTACHMENT 2

Friday, October 4, 2024

Si necesita incluir fotos adicionales

Approval Status	Approved
Nombre de la persona que hace la inspeccion	Christian Villalta Calderón
Email	cristhianvillalta@gmail.com
Fecha	Friday, October 4, 2024
Hora	12:40 PM
Condicion del Clima	Soleado
Esta la entrada limpia y libre de basura?	Si

Foto Entrada

Hay Personal en la caseta de seguridad?

SI

Cuantos vagonetas han salido en la semana que cubre este dia de inspección?

8

Datos de eventos de lluvia

Los datos registrados de lluvia se envian diariamente a la administracion del municipio.

Incluir Foto de los datos del pluviometro

Fecha de la ultima verificacion del sistema de manejo de lixiviados Celda Sur?

Friday, October 4, 2024

Horas de operacion de la planta electrica

8

Estan las areas verdes limpias y se ha realizado mantenimiento?	SI
Estan los diques limpios y sus valvulas cerradas con candado?	SI

Se está aplicando cubierta intermedia en areas cerradas? No

Existen areas de que tengan ya Cubierta Intermedia que necesiten mantenimiento No

Condicion de Cubierta Talud Norte Excelentes condiciones

Incluir foto

Foto de verja divisora

Tomar foto de las pendientes y la vegetacion

Condicion Operacion Recibo de Escombros

Necesita Limpieza

Tomar foto de la estacion de trasbordo

Tomar foto de las medidas de control (bermas, piso, etc.)

Equipos Operando

Al momento de la inspección un D4 y una retroexcavadora.

Condicion de medidas de control de erosion y sedimentacion

Buena

Tomar foto de bermas y canales

Se pueden notar brotes de lixiviado?

SI

Añadir fotos deal area de brotes visibles

Añadir fotos deal area de brotes visibles

Condicion de los caminos internos

Excelentes condiciones

Añadir fotos sobre las condiciones del camino perimetral.

Condicion de areas de desvio de materiales, si existe

Area completamente limpia.

Fotos Adicionales

Favor verificar que ha inspeccionado todas estas areas y/o condiciones.

- Entrada
- Pluviometro
- Registro de Entrada y Salida
- Area de Trasbordo
- Aplicacion de Cubierta Intermedia
- Mantenimiento de Cubierta Intermedia
- Canales de Escorrentia
- Brotes de Lixiviados
- Caminos Internos
- Equipos de Control de Erosion y Sedimentacion
- Area de Almacenamiento de Vegetativo

Proxima Inspeccion Programada

10/11/2024

Necesitas compartir alguna informacion con nosotros?

https://www.jotform.com/widget-uploads/voiceRecorder/222905932455863/670022d6abf06_

1728062166670022d6ba560.wav

94

Signature

Approval Activity History

Actor	Actions	Date
Notification	Email sent. (jorodriguez@ciudadtoaalta.com) cristhianvillalta@gmail.com,jorodriguez@ciudadtoaalta.com, nayala@terratekpr.com	Friday, October 4, 2024
N Nivia Ayala nayala@terratekpr.com	Approve	Tuesday, October 15, 2024
Notification	Email sent. (Your request has been approved.) cristhianvillalta@gmail.com	Tuesday, October 15, 2024

Friday, October 11, 2024

Si necesita incluir fotos adicionales

Approval Status	Approved
Nombre de la persona que hace la inspeccion	Christian Villalta Calderón
Email	cristhianvillalta@gmail.com
Fecha	Friday, October 11, 2024
Hora	12:20 PM
Condicion del Clima	Soleado
Esta la entrada limpia y libre de basura?	Si

Foto Entrada

Hay Personal en la caseta de seguridad?

SI

Cuantos vagonetas han salido en la semana que cubre este dia de inspección?

10

Datos de eventos de lluvia

Los datos de precipitación se registran diariamente y se envian a la administracion del municipio de Toa Alta.

Incluir Foto de los datos del pluviometro

Fecha de la ultima verificacion del sistema de manejo de lixiviados Celda Sur?	Friday, October 11, 2024
Horas de operacion de la planta electrica	8
Estan las areas verdes limpias y se ha realizado mantenimiento?	SI
Estan los diques limpios y sus valvulas cerradas con candado?	SI

Se está aplicando cubierta intermedia en areas cerradas? No

Existen areas de que tengan ya Cubierta Intermedia que necesiten mantenimiento No

Condicion de Cubierta Talud Norte Excelentes condiciones

Incluir foto

Foto de verja divisora

Tomar foto de las pendientes y la vegetacion

Condicion Operacion Recibo de Escombros

Buena

Tomar foto de la estacion de trasbordo

Tomar foto de las medidas de control (bermas, piso, etc.)

Equipos Operando

Al momento de la inspección no hay equipos operando. La visita se hizo en hora de almuerzo.

Condicion de medidas de control de erosion y sedimentacion

Buena

Tomar foto de bermas y canales

Se pueden notar brotes de lixiviado?

SI

Añadir fotos deal area de brotes visibles

Añadir fotos deal area de brotes visibles

Condicion de los caminos internos

Excelentes condiciones

Añadir fotos sobre las condiciones del camino perimetral.

Condicion de areas de desvio de materiales, si existe

Area completamente limpia.

Fotos Adicionales

Fotos Adicionales

Favor verificar que ha inspeccionado todas estas areas y/o condiciones.

- Entrada
- Pluviometro
- Registro de Entrada y Salida
- Area de Trasbordo
- Aplicacion de Cubierta Intermedia
- Mantenimiento de Cubierta Intermedia
- Canales de Escorrentia
- Brotes de Lixiviados
- Caminos Internos
- Equipos de Control de Erosion y Sedimentacion
- Area de Almacenamiento de Vegetativo

Proxima Inspeccion Programada 10/18/2024

95

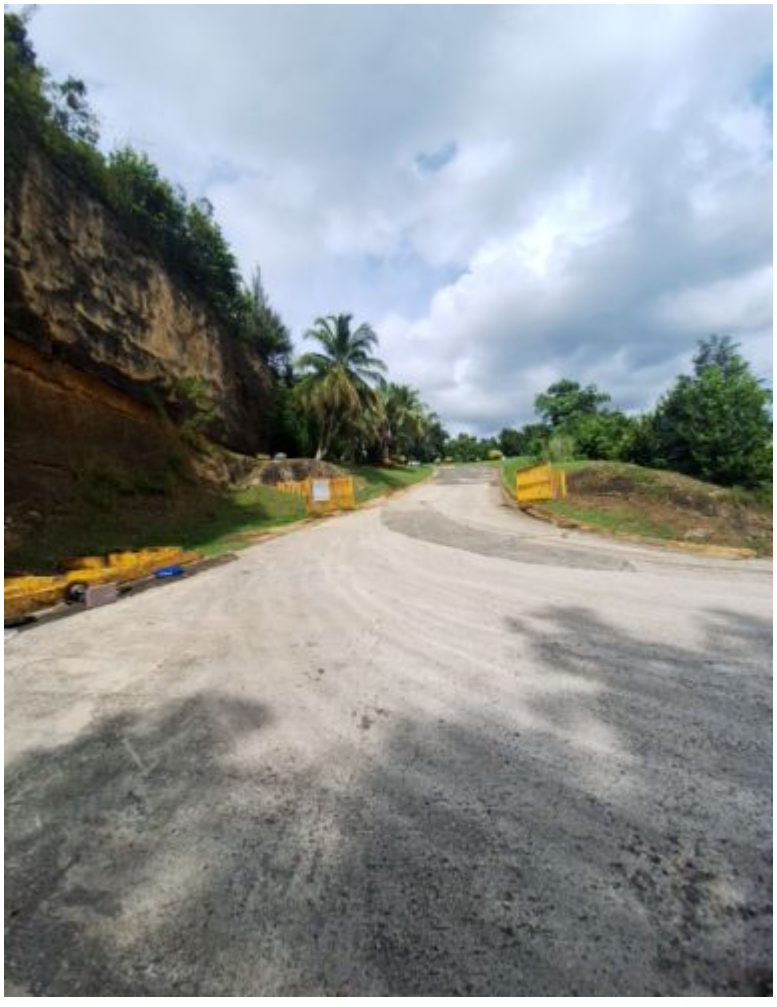
Signature

Flow Activity History

Actor	Actions	Date
Notification	Email sent. (jorodriguez@ciudadtoaalta.com) cristhianvillalta@gmail.com,jorodriguez@ciudadtoaalta.com,nayala@terratekpr.com	Friday, October 11, 2024
N Nivia Ayala nayala@terratekpr.com	Approve	Tuesday, October 15, 2024
Notification	Email sent. (Your request has been approved.) cristhianvillalta@gmail.com	Tuesday, October 15, 2024

Friday, October 18, 2024

Si necesita incluir fotos adicionales

Approval Status	Approved
Nombre de la persona que hace la inspeccion	Christian Villalta Calderón
Email	cristhianvillalta@gmail.com
Fecha	Friday, October 18, 2024
Hora	01:18 PM
Condicion del Clima	Soleado
Esta la entrada limpia y libre de basura?	Si
Foto Entrada	

Hay Personal en la caseta de seguridad?

SI

Cuantos vagonetas han salido en la semana que cubre este dia de inspección?

12

Datos de eventos de lluvia

Los datos de precipitación son registrados diariamente y enviados a la Administracion del MUnicipio de Toa Alta.

Incluir Foto de los datos del pluviometro

Fecha de la ultima verificacion del sistema de manejo de lixiviados Celda Sur?

Friday, October 18, 2024

Horas de operacion de la planta electrica

8

Estan las areas verdes limpias y se ha realizado mantenimiento? SI

Estan los diques limpios y sus valvulas cerradas con candado? SI

Se está aplicando cubierta intermedia en areas cerradas? No

Existen areas de que tengan ya Cubierta Intermedia que necesiten mantenimiento No

Condicion de Cubierta Talud Norte Excelentes condiciones

Incluir foto

Foto de verja divisora

Tomar foto de las pendientes y la vegetacion

Condicion Operacion Recibo de Escombros

Necesita Limpieza

Tomar foto de la estacion de trasbordo

Tomar foto de las medidas de control (bermas, piso, etc.)

Equipos Operando

Al momento de la inspección una retroexcavadora.

Condicion de medidas de control de erosion y sedimentacion

Necesita Mantenimiento (Incluir Foto)

Tomar foto de bermas y canales

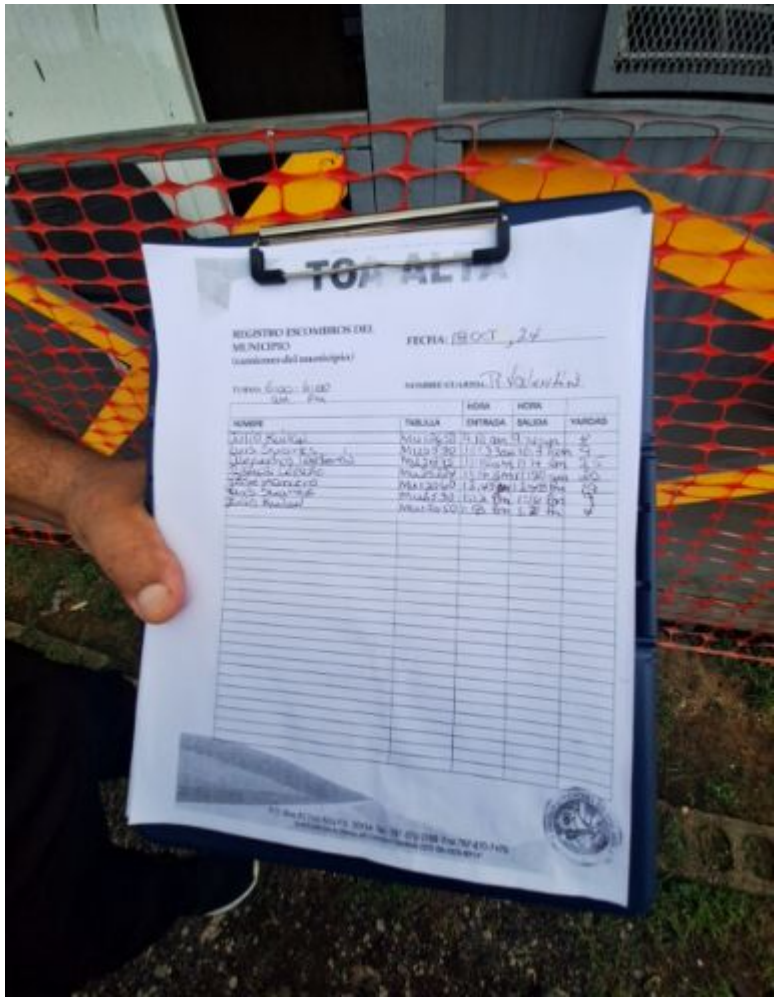
Se pueden notar brotes de lixiviado?

SI

Añadir fotos deal area de brotes visibles

Añadir fotos deal area de brotes visibles

Condicion de los caminos internos	Excelentes condiciones
Añadir fotos sobre las condiciones del camino perimetral.	
Condicion de areas de desvio de materiales, si existe	Area completamente limpia.
Fotos Adicionales	



Favor verificar que ha inspeccionado todas estas areas y/o condiciones.

Entrada
Pluviometro
Registro de Entrada y Salida
Area de Trasbordo
Aplicacion de Cubierta Intermedia
Mantenimiento de Cubierta Intermedia
Canales de Escorrentia
Brotes de Lixiviados
Caminos Internos
Equipos de Control de Erosion y Sedimentacion
Area de Almacenamiento de Vegetativo

Proxima Inspeccion Programada

10/25/2024

Necesitas compartir alguna informacion con nosotros?

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172927334267129dfee4ff7.wav

96

Signature

Approval Activity History

Actor	Actions	Date
Notification	Email sent. (jorodriguez@ciudadtoaalta.com) cristhianvillalta@gmail.com,jorodriguez@ciudadtoaalta.com, nayala@terratekpr.com	Friday, October 18, 2024
N Nivia Ayala nayala@terratekpr.com	Approve	Tuesday, October 29, 2024
Notification	Email sent. (Your request has been approved.) cristhianvillalta@gmail.com	Tuesday, October 29, 2024

Friday, October 25, 2024

Si necesita incluir fotos adicionales

Approval Status	Approved
Nombre de la persona que hace la inspeccion	Christian Villalta Calderón
Email	cristhianvillalta@gmail.com
Fecha	Friday, October 25, 2024
Hora	12:28 PM
Condicion del Clima	Lloviendo
Esta la entrada limpia y libre de basura?	Si
Foto Entrada	

Hay Personal en la caseta de seguridad?

SI

Cuantos vagonetas han salido en la semana que cubre este dia de inspección?

10

Datos de eventos de lluvia

Los datos de lluvia se registran en el pluviometro y se envian a la administracion del municipio.

Incluir Foto de los datos del pluviometro

Fecha de la ultima verificacion del sistema de manejo de lixiviados Celda Sur?

Friday, October 25, 2024

Horas de operacion de la planta electrica

8

Estan las areas verdes limpias y se ha realizado mantenimiento?

SI

Estan los diques limpios y sus valvulas cerradas con candado?

SI

Se está aplicando cubierta intermedia en areas cerradas?

No

Existen areas de que tengan ya Cubierta Intermedia que necesiten mantenimiento

No

Condicion de Cubierta Talud Norte

Excelentes condiciones

Incluir foto

Foto de verja divisora

Tomar foto de las pendientes y la vegetacion

Condicion Operacion Recibo de Escombros

Necesita Limpieza

Tomar foto de la estacion de trasbordo

Tomar foto de las medidas de control (bermas, piso, etc.)

Equipos Operando

Al momento de la inspección no hay equipos operando.

Condicion de medidas de control de erosion y sedimentacion

Buena

Tomar foto de bermas y canales

Se pueden notar brotes de lixiviado?

SI

Añadir fotos deal area de brotes visibles

Añadir fotos deal area de brotes visibles

Condicion de los caminos internos

Excelentes condiciones

Añadir fotos sobre las condiciones del camino perimetral.

Condicion de areas de desvio de materiales, si existe

Area completamente limpia.

Favor verificar que ha inspeccionado todas estas areas y/o condiciones.

- Entrada
- Pluviometro
- Registro de Entrada y Salida
- Area de Trasbordo
- Aplicacion de Cubierta Intermedia
- Mantenimiento de Cubierta Intermedia
- Canales de Escorrentia
- Brotes de Lixiviados
- Caminos Internos
- Equipos de Control de Erosion y Sedimentacion
- Area de Almacenamiento de Vegetativo

Proxima Inspeccion Programada

11/01/2024

97

Signature

Approval Activity History

Actor	Actions	Date
Notification	Email sent. (jorodriguez@ciudadtoaalta.com) cristhianvillalta@gmail.com,jorodriguez@ciudadtoaalta.com, nayala@terratekpr.com	Friday, October 25, 2024
N Nivia Ayala nayala@terratekpr.com	Approve	Tuesday, October 29, 2024
Notification	Email sent. (Your request has been approved.) cristhianvillalta@gmail.com	Tuesday, October 29, 2024