



Pasco County Utilities Services Branch
Environmental Laboratory
8864 Government Dr.
New Port Richey, FL 34654

Phone: (727) 847-8902

Fax: (727) 847-8112

DHRS No: E44123

01 July 2022

Waste Management Section
Florida Department of
Environmental Protection
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637

RE: Pasco County Resource Recovery
WACs FAC ID: 45799
Semester I, 2022

To Whom It May Concern:

This submittal is for the Semester I, 2021 groundwater monitoring at the Pasco County Resource Recovery site which includes the West Pasco Class I and Class III landfills. Included in this submittal are the following:

1. Case Narrative.
2. Ground Water Monitoring Report Certification.
3. Summary of Exceeded Analytes.
4. Water Level Table.
5. Groundwater Contour Maps.
6. Groundwater Analytical Reports
7. Groundwater Field Reports
8. Laboratory and Field EDDs
9. Laboratory error logs

If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern
Laboratory Manager

cc: Justin Roessler, Solid Waste Director
James Shannon, Acting Utilities Engineering Director

UTILITIES ENVIRONMENTAL LABORATORY

727-847-8902 | West Pasco Government Center | 8864 Government Dr. | New Port Richey, FL 34654



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C.

Form Title: Water Quality Monitoring Certification

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name PASCO COUNTY RESOURCE RECOVERY
Address 14230 HAYS RD.
City SPRING HILL, FLORIDA Zip 34610 County PASCO
Telephone Number (727) 856-0119
(2) WACS Facility ID 45799
(3) DEP Permit Number PA87-23
(4) Authorized Representative's Name Candia E. Mulhern Title Laboratory Manager
Address 8864 Government Drive
City New Port Richey, Florida Zip 34654 County Pasco
Telephone Number (727) 847-8902
Email address (if available) cmulhern@pascocountyfl.net

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

07/01/2022
(Date)

Candia E. Mulhern

Digitally signed by Candia E. Mulhern
Date: 2022.07.01 11:54:26 -04'00'

(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization PASCO COUNTY ENVIRONMENTAL LABORATORY
Analytical Lab NELAC / HRS Certification # E44123
Lab Name PASCO COUNTY UTILITIES ENVIRONMENTAL LABORATORY
Address 8864 GOVERNMENT DRIVE, NEW PORT RICHEY, FL 34654
Phone Number (727) 847-8902
Email address (if available) cchildress@pascocountyfl.net

Northwest District
160 Government Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. 200 B
Jacksonville, FL 32256-7590
904-807-3300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
13051 N. Telecom Pky.
Tempe Terrace, FL
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33902-2549
239-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600



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DHRS #E44123

Case Narrative

**CLIENT: Pasco County Solid Waste
Pasco County Resource Recovery
Facility #: 45799
Date Sampled: 27 April 2022**

I. SAMPLING

Laboratory field staff began sampling the groundwater monitoring wells at the Pasco County Resource Recovery Facility on April 27th, 2022. Many of the surficial wells were dry indicating that there was no surficial aquifer present. No unusual environmental conditions were noted during this sampling period.

II. SAMPLE RECEIVING/CUSTODY

The samples were delivered by laboratory field personnel to the Pasco County Environmental Laboratory, received on wet ice, and the temperature of the samples maintained at $\leq 6^{\circ}\text{C}$. Samples were processed by the Sample Custody section of the laboratory. Nitrate samples were retained at the Pasco County Environmental Laboratory for analysis. The remaining samples, were shipped to PACE Laboratories for analyses. There were no significant logistics or quality problems unless noted below.

III. ANALYTICAL DATA

The samples were analyzed by PACE Laboratory, a TNI certified laboratory. Nitrate was determined at the Pasco County Environmental Laboratory. Samples from wells 4MW9 and 4MW3A were held beyond the holding time for EPA 8260 analysis. The wells were resampled on 06/23/2022 and results will be submitted upon receipt from the contract laboratory.

IV. QUALITY CONTROL

There were no significant quality control problems unless noted in the attached QC reports.

V. CONCLUSIONS AND RECOMMENDATIONS

Groundwater quality remains consistent in the wells sampled during this reporting period. No elevated concentrations of chlorides, ammonia, or other sentinel indicators of leachate were observed in the downgradient monitoring wells. Elevated concentrations of monitoring parameters were limited to Iron, DO and pH, with iron being slightly (440 ug/L) elevated above its GCTL in 4MW-23. This is consistent with historic data for the site and the larger region as a whole; both up and downgradient wells have observed slightly elevated concentrations of iron periodically. An elevated level of nitrate (11.2 mg/L) was observed in groundwater monitoring well 2MW-17S. The long term groundwater quality at the site has not indicated the presence of any issues. Due to extremely dry conditions a large number of the surficial wells were dry indicating that no surficial aquifer was present. Consequently, no surficial groundwater contour map is included in this submittal.

Candia E. Mulhern
Laboratory Manager
cmulhern@pascocountyfl.net

RESOURCE RECOVERY SANITARY LANDFILL (WACS ID # 45799)
EXCEEDED ANALYTES
SEMESTER I, 2022

WELL #	SAMPLE DATE	ANALYTE	RESULT	UNITS	RESAMPLE	RESULT	UNITS
2MW-2	17-May-22	pH	5.33	std units	No	---	---
		DO	8.60	mg/L	No	---	---
2MW-17S	3-May-22	DO	7.11	mg/L	No	---	---
		Nitrate	11.20	mg/L	No	---	---
4MW-6	11-May-22	DO	6.15	mg/L	No	---	---
4MW-21	9-May-22	pH	5.22	std units	No	---	---
		DO	6.52	mg/L	No	---	---
4MW-23	9-May-22	Iron	440	ug/L	No	---	---

UTILITIES ENVIRONMENTAL LABORATORY

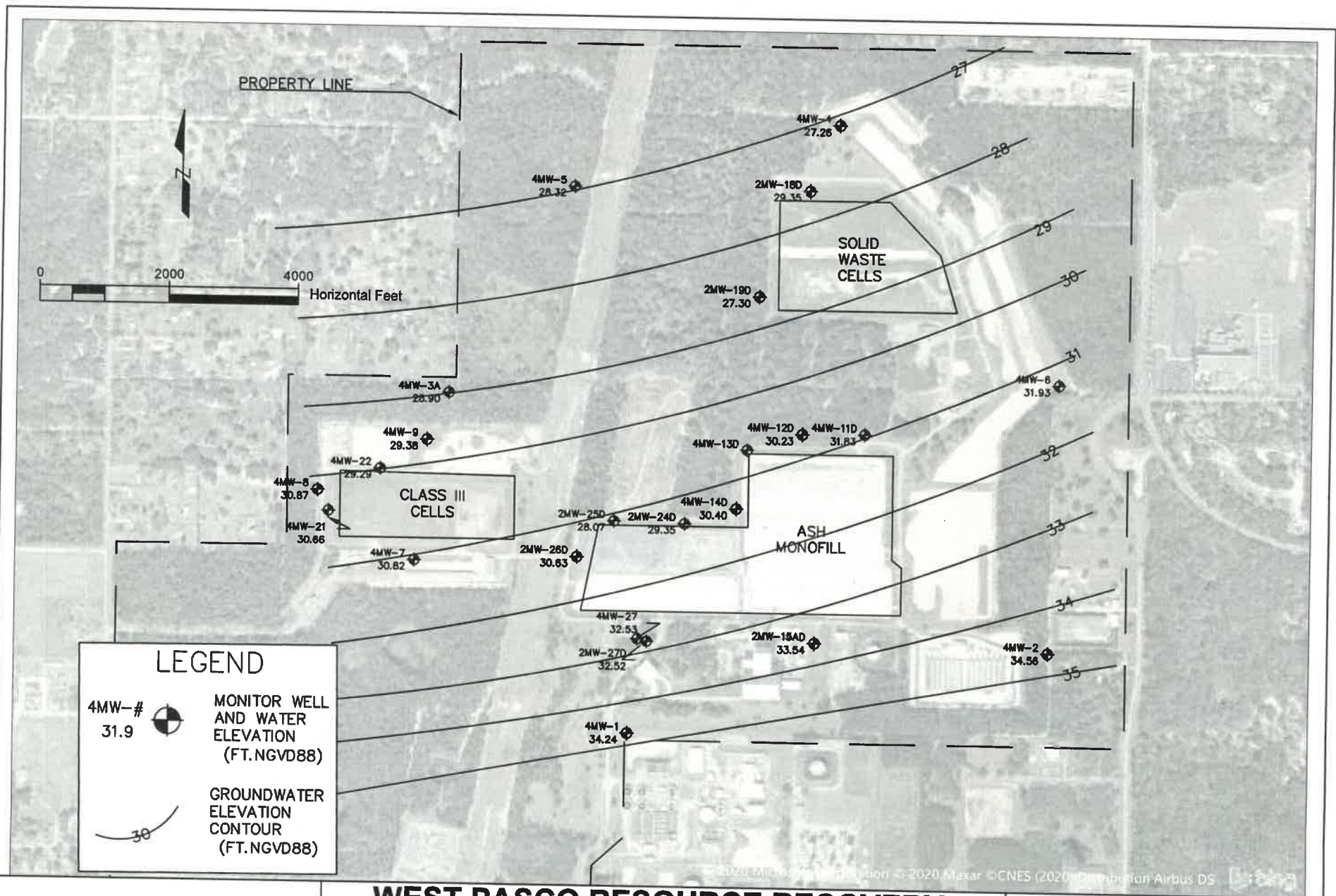
727-847-8902 | Environmental Laboratory | 8864 Government Dr. | New Port Richey, FL 64654

RESOURCE RECOVERY

WATER LEVEL 2022 SEMIANNUAL

WELL I.D.	DATE DAY- MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVAT TION	STATIC H2O LEVEL	N.G.V.D.	WELL I.D.	DATE DAY- MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVAT ION	STATIC H2O LEVEL	N.G.V.D.
2MW1	20-Apr	1025	49.95	DRY	DRY	2MW-13D	20-Apr	0815	52.39	DRY	DRY
4MW1	20-Apr	1023	50.34	16.10	34.24	4MW-13D	20-Apr	0820	54.04	DRY	DRY
2MW2	20-Apr	1250	56.41	DRY	DRY	4MW-14D	20-Apr	0823	52.00	21.60	30.40
4MW2	20-Apr	1240	56.11	21.55	34.56	2MW-15DA	20-Apr	0750	54.71	21.17	33.54
2MW3A	20-Apr	1355	50.01	DRY	DRY	2MW-17S	20-Apr	1028	53.42	26.00	27.42
4MW3A	20-Apr	1403	52.92	24.02	28.90	2MW-18D	20-Apr	1035	52.75	25.45	27.30
2MW4	20-Apr	1050	54.77	DRY	DRY	2MW-19D	20-Apr	1043	52.25	24.10	28.15
4MW4	20-Apr	1052	50.81	23.55	27.26	4MW 21	20-Apr	1000	51.46	20.80	30.66
2MW5	20-Apr	1335	49.17	DRY	DRY	4MW 22	20-Apr	0938	53.44	24.15	29.29
4MW5	20-Apr	1340	49.06	20.74	28.32	2MW-24S	20-Apr	0830	50.37	DRY	DRY
2MW6	20-Apr	1310	56.11	DRY	DRY	2MW-24D	20-Apr	0832	50.55	21.20	29.35
4MW6	20-Apr	1320	55.93	24.00	31.93	2MW-25S	20-Apr	0838	47.84	DRY	DRY
2MW7	20-Apr	1010	52.75	DRY	DRY	2MW-25D	20-Apr	0840	47.87	19.80	28.07
4MW7	20-Apr	1020	52.62	21.80	30.82	2MW-26S	20-Apr	0850	54.16	DRY	DRY
2MW8	20-Apr	0943	51.97	DRY	DRY	2MW-26D	20-Apr	0855	54.13	23.50	30.63
4MW8	20-Apr	0945	51.87	21.00	30.87	2MW-27S	20-Apr	1100	50.44	DRY	DRY
2MW9	20-Apr	0930	52.29	DRY	DRY	2MW-27D	20-Apr	1110	50.32	17.80	32.52
4MW9	20-Apr	0925	52.78	23.40	29.38	4MW-27	20-Apr	1113	49.60	17.00	32.60
2MW10	20-Apr	0942	52.63	DRY	DRY	4MW-27D	20-Apr	1117	49.28	16.75	32.53
4MW-11D	20-Apr	0805	65.00	33.17	31.83	4MW-23	20-Apr	0903	53.69	26.05	27.64
4MW-12D	20-Apr	0810	55.03	24.80	30.23						

NOTES:





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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/11/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25236**
Sample Method: SP
Date Sampled: 05/10/2022
Time Sampled: 00:00
Sampled By: GTORREY

Sample ID: 2MW1 @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/10/2022
Time Received: 16:17
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	05/10/2022	15:20	GST	DRY	D	Ft.	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123

EPA Lab Code: FL00137



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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/23/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25522**
Sample Method: SP
Date Sampled: 05/17/2022
Time Sampled: 14:40
Sampled By: GTORREY

Sample ID: 2MW2 @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/17/2022
Time Received: 15:54
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	EPA 300.0	05/18/2022	10:17	EC	1.42		mg/L	0.008
pH Field	FDEP FT 1100	05/17/2022	14:40	GST	5.33	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/17/2022	14:40	GST	0.30	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/17/2022	14:40	GST	8.60	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/17/2022	14:40	GST	67	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/17/2022	14:40	GST	24.70	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/17/2022	14:40	GST	34.41	D	Ft.	0
Color by Observation	Observation	05/17/2022	14:40	GST	CLEAR	D	ObsColor	0

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 4/26/2022

Class III Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD24485**
Sample Method: SP
Date Sampled: 04/21/2022
Time Sampled: 14:55
Sampled By: GTORREY

Sample ID: 2MW3A @ CLASS III
Sample Matrix: AQUEOUS-Groundwater
Date Received: 04/21/2022
Time Received: 16:16
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	04/21/2022	14:55	GST	DRY	D	Ft.	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 4/26/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD24486**

Sample Method: SP

Date Sampled: 04/21/2022

Time Sampled: 15:10

Sampled By: GTORREY

Sample ID: 2MW4 @ RESREC

Sample Matrix: AQUEOUS-Groundwater

Date Received: 04/21/2022

Time Received: 16:16

Received By: TS

Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	04/21/2022	15:10	GST	DRY	D	Ft.	0

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 4/26/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24487**
Sample Method: SP
Date Sampled: 04/21/2022
Time Sampled: 15:25
Sampled By: GTORREY

Sample ID: 2MW5 @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 04/21/2022
Time Received: 16:16
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	04/21/2022	15:25	GST	DRY	D	Ft.	0

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 4/26/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24484**
Sample Method: SP
Date Sampled: 04/21/2022
Time Sampled: 14:40
Sampled By: GTORREY

Sample ID: 2MW6 @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 04/21/2022
Time Received: 16:16
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	04/21/2022	14:40	GST	DRY	D	Ft.	0

Analysis Comments

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/11/2022

Class III Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25235**
Sample Method: SP
Date Sampled: 05/10/2022
Time Sampled: 15:00
Sampled By: GTORREY

Sample ID: 2MW7 @ CLASS III
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/10/2022
Time Received: 16:17
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	05/10/2022	15:00	GST	DRY	D	Ft.	0

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Class III Landfill

Hays Road

Shady Hills, FL

Report Date: 5/11/2022

Justin G. Roessler

Sample Number: **AD25234**
Sample Method: SP
Date Sampled: 05/10/2022
Time Sampled: 14:40
Sampled By: GTORREY

Sample ID: 2MW8 @ CLASS III
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/10/2022
Time Received: 16:17
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	05/10/2022	14:40	GST	DRY	D	Ft.	0

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 6/22/2022

Class III Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD26929**
Sample Method: SP
Date Sampled: 06/09/2022
Time Sampled: 14:10
Sampled By: GTORREY

Sample ID: 2MW9 @ CLASS III
Sample Matrix: AQUEOUS-Groundwater
Date Received: 06/21/2022
Time Received: 13:12
Received By: LAB
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	06/21/2022	14:10	GST	DRY	D	Ft.	0

Analysis Comments

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 6/22/2022

Class III Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD26930**
Sample Method: SP
Date Sampled: 06/09/2022
Time Sampled: 14:30
Sampled By: GTORREY

Sample ID: 2MW10 @ CLASS III
Sample Matrix: AQUEOUS-Groundwater
Date Received: 06/21/2022
Time Received: 13:12
Received By: LAB
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	06/21/2022	14:30	GST	DRY	D	Ft.	0

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/3/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24714**

Sample Method: SP

Date Sampled: 04/27/2022

Time Sampled: 13:05

Sampled By: GTORREY

Sample ID: 2MW13D @ RESREC

Sample Matrix: AQUEOUS-Groundwater

Date Received: 04/27/2022

Time Received: 16:19

Received By: TS

Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	04/28/2022	13:25	KS	0.05	I	mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	04/28/2022	13:25	KS	0.05	I	mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	04/28/2022	14:05	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/27/2022	13:05	GST	7.26	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	04/27/2022	13:05	GST	1.53	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/27/2022	13:05	GST	2.87	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/27/2022	13:05	GST	420	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/27/2022	13:05	GST	27.93	D	Deg C	0.00
Water Level NGVD	DEP-SOP	04/27/2022	13:05	GST	28.39	D	Ft.	0
Color by Observation	Observation	04/27/2022	13:05	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123

EPA Lab Code: FL00137



Pasco County Utilities Environmental Laboratory Report

8864 Government Drive

New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/3/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24709**
Sample Method: SP
Date Sampled: 04/27/2022
Time Sampled: 09:20
Sampled By: GTORREY

Sample ID: 2MW15DA @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 04/27/2022
Time Received: 16:19
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	04/28/2022	13:25	KS	0.26		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	04/28/2022	13:25	KS	0.26		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	04/28/2022	14:05	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/27/2022	09:20	GST	7.31	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	04/27/2022	09:20	GST	0.97	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/27/2022	09:20	GST	4.45	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/27/2022	09:20	GST	292	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/27/2022	09:20	GST	25.19	D	Deg C	0.00
Water Level NGVD	DEP-SOP	04/27/2022	09:20	GST	33.18	D	Ft.	0
Color by Observation	Observation	04/27/2022	09:20	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24924**
Sample Method: SP
Date Sampled: 05/03/2022
Time Sampled: 08:42
Sampled By: GTORREY

Sample ID: 2MW17S @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/03/2022
Time Received: 16:37
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/04/2022	16:32	KS	11.2		mg/L	0.08
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/04/2022	16:32	KS	11.2		mg/L	0.08
Nitrite (N)	SM18 4500-NO2 B	05/04/2022	15:00	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/03/2022	08:42	GST	6.76	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/03/2022	08:42	GST	0.48	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/03/2022	08:42	GST	7.11	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/03/2022	08:42	GST	258	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/03/2022	08:42	GST	24.87	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/03/2022	08:42	GST	27.12	D	Ft.	0
Color by Observation	Observation	05/03/2022	08:42	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24925**
Sample Method: SP
Date Sampled: 05/03/2022
Time Sampled: 09:30
Sampled By: GTORREY

Sample ID: 2MW18D @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/03/2022
Time Received: 16:37
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/04/2022	15:24	KS	0.81		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/04/2022	13:01	KS	0.81		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/04/2022	15:00	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/03/2022	09:30	GST	7.24	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/03/2022	09:30	GST	1.43	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/03/2022	09:30	GST	3.19	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/03/2022	09:30	GST	463	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/03/2022	09:30	GST	24.73	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/03/2022	09:30	GST	25.12	D	Ft.	0
Color by Observation	Observation	05/03/2022	09:30	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD24926**
Sample Method: SP
Date Sampled: 05/03/2022
Time Sampled: 10:27
Sampled By: GTORREY

Sample ID: 2MW19D @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/03/2022
Time Received: 16:37
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/04/2022	15:24	KS	0.55		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/04/2022	13:01	KS	0.55		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/04/2022	15:00	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/03/2022	10:27	GST	7.34	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/03/2022	10:27	GST	0.01	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/03/2022	10:27	GST	3.34	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/03/2022	10:27	GST	429	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/03/2022	10:27	GST	25.69	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/03/2022	10:27	GST	31.20	D	Ft.	0
Color by Observation	Observation	05/03/2022	10:27	GST	CLEAR	D	ObsColor	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24989**
Sample Method: SP
Date Sampled: 05/04/2022
Time Sampled: 11:20
Sampled By: GTORREY

Sample ID: 2MW-24S @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/04/2022
Time Received: 16:12
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	05/04/2022	11:20	GST	DRY	D	Ft.	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123

EPA Lab Code: FL00137



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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24988**
Sample Method: SP
Date Sampled: 05/04/2022
Time Sampled: 11:04
Sampled By: GTORREY

Sample ID: 2MW-24D @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/04/2022
Time Received: 16:12
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/05/2022	15:04	KS	1.32		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/05/2022	12:58	KS	1.32		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/05/2022	14:35	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/04/2022	11:04	GST	7.49	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/04/2022	11:04	GST	0.02	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/04/2022	11:04	GST	2.40	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/04/2022	11:04	GST	489	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/04/2022	11:04	GST	25.88	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/04/2022	11:04	GST	29.85	D	Ft.	0
Color by Observation	Observation	05/04/2022	11:04	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24990**
Sample Method: SP
Date Sampled: 05/04/2022
Time Sampled: 11:30
Sampled By: GTORREY

Sample ID: 2MW-25S @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/04/2022
Time Received: 16:12
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	05/04/2022	11:30	GST	DRY	D	Ft.	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24987**
Sample Method: SP
Date Sampled: 05/04/2022
Time Sampled: 09:29
Sampled By: GTORREY

Sample ID: 2MW-25D @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/04/2022
Time Received: 16:12
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/05/2022	15:04	KS	1.78		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/05/2022	12:58	KS	1.78		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/05/2022	14:35	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/04/2022	09:29	GST	6.97	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/04/2022	09:29	GST	0.64	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/04/2022	09:29	GST	2.43	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/04/2022	09:29	GST	586	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/04/2022	09:29	GST	27.09	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/04/2022	09:29	GST	29.82	D	Ft.	0
Color by Observation	Observation	05/04/2022	09:29	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD24991**

Sample ID: 2MW-26S @ RESREC

Sample Method: SP

Sample Matrix: AQUEOUS-Groundwater

Date Sampled: 05/04/2022

Date Received: 05/04/2022

Time Sampled: 11:40

Time Received: 16:12

Sampled By: GTORREY

Received By: TS

Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	05/04/2022	11:40	GST	DRY	D	Ft.	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24986**
Sample Method: SP
Date Sampled: 05/04/2022
Time Sampled: 08:42
Sampled By: GTORREY

Sample ID: 2MW-26D @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/04/2022
Time Received: 16:12
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/05/2022	15:04	KS	0.24		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/05/2022	12:58	KS	0.24		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/05/2022	14:35	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/04/2022	08:42	GST	7.06	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/04/2022	08:42	GST	0.04	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/04/2022	08:42	GST	2.49	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/04/2022	08:42	GST	508	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/04/2022	08:42	GST	25.70	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/04/2022	08:42	GST	30.48	D	Ft.	0
Color by Observation	Observation	05/04/2022	08:42	GST	CLEAR		ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/18/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25520**
Sample Method: SP
Date Sampled: 05/17/2022
Time Sampled: 11:30
Sampled By: GTORREY

Sample ID: 2MW27S @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/17/2022
Time Received: 15:54
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	05/17/2022	11:30	GST	DRY	D	Ft.	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/17/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25064**
Sample Method: SP
Date Sampled: 05/05/2022
Time Sampled: 08:44
Sampled By: GTORREY

Sample ID: 2MW27D @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/05/2022
Time Received: 15:55
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/06/2022	14:04	KS	1.33		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/06/2022	14:04	KS	1.33		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/06/2022	15:00	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/05/2022	08:44	GST	7.12	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/05/2022	08:44	GST	0.82	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/05/2022	08:44	GST	2.57	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/05/2022	08:44	GST	590	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/05/2022	08:44	GST	25.12	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/05/2022	08:44	GST	31.92	D	Ft.	0
Color by Observation	Observation	05/05/2022	08:44	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards



Pasco County Utilities Environmental Laboratory Report

8864 Government Drive

New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24927**
Sample Method: **SP**
Date Sampled: **05/03/2022**
Time Sampled: **16:01**
Sampled By: **GTORREY**

Sample ID: **4MW1 @ RESREC**
Sample Matrix: **AQUEOUS-Groundwater**
Date Received: **05/03/2022**
Time Received: **16:37**
Received By: **TS**
Delivered By: **GT**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/04/2022	15:24	KS	1.33		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/04/2022	13:01	KS	1.33		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/04/2022	15:00	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/03/2022	16:01	GST	7.40	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/03/2022	16:01	GST	0.38	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/03/2022	16:01	GST	1.86	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/03/2022	16:01	GST	770	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/03/2022	16:01	GST	26.43	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/03/2022	16:01	GST	33.74	D	Ft.	0
Color by Observation	Observation	05/03/2022	16:01	GST	CLEAR	D	ObsColor	0

Analysis Comments

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XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24868**
Sample Method: SP
Date Sampled: 05/02/2022
Time Sampled: 12:40
Sampled By: GTORREY

Sample ID: 4MW2 @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/02/2022
Time Received: 16:41
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/03/2022	15:19	KS	0.62		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/03/2022	10:12	KS	0.62		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/03/2022	14:55	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/02/2022	12:40	GST	7.53	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/02/2022	12:40	GST	0.03	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/02/2022	12:40	GST	2.89	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/02/2022	12:40	GST	217	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/02/2022	12:40	GST	24.95	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/02/2022	12:40	GST	34.26	D	Ft.	0
Color by Observation	Observation	05/02/2022	12:40	GST	CLEAR	D	ObsColor	0

Analysis Comments

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XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level


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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco Class III Landfill

Hays Road

Shady Hills, FL

Report Date: 5/18/2022

Justin G. Roessler

Sample Number: **AD25372**
Sample Method: **SP**
Date Sampled: **05/12/2022**
Time Sampled: **11:40**
Sampled By: **GTORREY**

Sample ID: **4MW3A @ CLASS III**
Sample Matrix: **AQUEOUS-Groundwater**
Date Received: **05/12/2022**
Time Received: **16:27**
Received By: **TS**
Delivered By: **GT**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	EPA 300.0	05/13/2022	13:09	EC	0.002	U	mg/L	0.002
pH Field	FDEP FT 1100	05/12/2022	11:40	GST	7.31	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/12/2022	11:40	GST	0.28	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/12/2022	11:40	GST	2.39	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/12/2022	11:40	GST	429	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/12/2022	11:40	GST	23.58	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/12/2022	11:40	GST	27.82	D	Ft.	0
Color by Observation	Observation	05/12/2022	11:40	GST	CLEAR	D	ObsColor	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/10/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24869**
Sample Method: SP
Date Sampled: 05/02/2022
Time Sampled: 16:11
Sampled By: GTORREY

Sample ID: 4MW4 @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/02/2022
Time Received: 16:41
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/03/2022	15:19	KS	0.31		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/03/2022	10:12	KS	0.31		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/03/2022	14:55	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/02/2022	16:11	GST	7.75	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/02/2022	16:11	GST	1.46	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/02/2022	16:11	GST	3.31	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/02/2022	16:11	GST	427	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/02/2022	16:11	GST	26.18	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/02/2022	16:11	GST	27.21	D	Ft.	0
Color by Observation	Observation	05/02/2022	16:11	GST	CLEAR	D	ObsColor	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/17/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25233**
Sample Method: SP
Date Sampled: 05/10/2022
Time Sampled: 14:20
Sampled By: GTORREY

Sample ID: 4MW5 @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/10/2022
Time Received: 16:17
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/11/2022	15:48	KS	0.68		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/11/2022	15:48	KS	0.68		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/11/2022	16:10	LIZ	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/10/2022	14:20	GST	7.21	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/10/2022	14:20	GST	0.11	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/10/2022	14:20	GST	2.39	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/10/2022	14:20	GST	597	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/10/2022	14:20	GST	24.95	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/10/2022	14:20	GST	27.86	D	Ft.	0
Color by Observation	Observation	05/10/2022	14:20	GST	CLEAR	D	ObsColor	0

Analysis Comments

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MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123

EPA Lab Code: FL00137



Pasco County Utilities Environmental Laboratory Report

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New Port Richey, FL 34654

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/17/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25326**
Sample Method: SP
Date Sampled: 05/11/2022
Time Sampled: 14:42
Sampled By: GTORREY

Sample ID: 4MW6 @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/11/2022
Time Received: 16:16
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	EPA 300.0	05/12/2022	12:43	EC	0.54		mg/L	0.002
pH Field	FDEP FT 1100	05/11/2022	14:42	GST	8.11	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/11/2022	14:42	GT	0.28	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/11/2022	14:42	GST	6.15	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/11/2022	14:42	GST	144	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/11/2022	14:42	GST	25.74	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/11/2022	14:42	GST	31.45	D	Ft.	0
Color by Observation	Observation	05/11/2022	14:42	GST	CLEAR	D	ObsColor	0

Analysis Comments

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MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco Class III Landfill

Report Date: 5/10/2022

Hays Road

Shady Hills, FL

Justin Roessler

Sample Number: **AD24992**

Sample Method: SP

Date Sampled: 05/04/2022

Time Sampled: 15:20

Sampled By: GTORREY

Sample ID: 4MW7 @ Res Rec

Sample Matrix: AQUEOUS-Groundwater

Date Received: 05/04/2022

Time Received: 16:12

Received By: TS

Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/05/2022	15:04	KS	0.45		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/05/2022	12:58	KS	0.45		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/05/2022	14:35	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/04/2022	15:20	GST	7.58	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/04/2022	15:20	GST	0.20	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/04/2022	15:20	GST	2.48	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/04/2022	15:20	GST	329	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/04/2022	15:20	GST	26.55	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/04/2022	15:20	GST	30.32	D	Ft.	0
Color by Observation	Observation	05/04/2022	15:20	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco Res Rec

Report Date: 5/11/2022

Hays Road

Shady Hills, FL

Justin Roessler

Sample Number: **AD25102**
Sample Method: SP
Date Sampled: 05/09/2022
Time Sampled: 15:52
Sampled By: GTORREY

Sample ID: 4MW8 @ RES REC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/09/2022
Time Received: 16:33
Received By: CS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/10/2022	14:33	KS	0.05	I	mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/10/2022	14:33	KS	0.05	I	mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/10/2022	13:45	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/09/2022	15:52	GST	7.31	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/09/2022	15:52	GST	0.05	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/09/2022	15:52	GST	1.60	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/09/2022	15:52	GST	358	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/09/2022	15:52	GST	24.20	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/09/2022	15:52	GST	25.57	D	Ft.	0
Color by Observation	Observation	05/09/2022	15:52	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Pasco County Res Rec

Hays Road

Shady Hills, FL

Report Date: 5/18/2022

Justin Roessler

Sample Number: **AD25373**
Sample Method: SP
Date Sampled: 05/12/2022
Time Sampled: 15:54
Sampled By: GTORREY

Sample ID: 4MW9 @ CLASS III
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/12/2022
Time Received: 16:27
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	EPA 300.0	05/13/2022	13:09	EC	0.37		mg/L	0.002
pH Field	FDEP FT 1100	05/12/2022	15:54	GST	7.38	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/12/2022	15:54	GST	0.15	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/12/2022	15:54	GST	1.60	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/12/2022	15:54	GST	444	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/12/2022	15:54	GST	25.40	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/12/2022	15:54	GST	28.68	D	Ft.	0
Color by Observation	Observation	05/12/2022	15:54	GST	CLEAR	D	ObsColor	0

Analysis Comments

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XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123

EPA Lab Code: FL00137



Pasco County Utilities Environmental Laboratory Report

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New Port Richey, FL 34654

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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/3/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24711**
Sample Method: SP
Date Sampled: 04/27/2022
Time Sampled: 10:29
Sampled By: GTORREY

Sample ID: 4MW11D @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 04/27/2022
Time Received: 16:19
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	04/28/2022	13:25	KS	0.87		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	04/28/2022	13:25	KS	0.87		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	04/28/2022	14:05	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/27/2022	10:29	GST	7.23	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	04/27/2022	10:29	GST	3.13	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/27/2022	10:29	GST	4.01	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/27/2022	10:29	GST	607	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/27/2022	10:29	GST	25.80	D	Deg C	0.00
Water Level NGVD	DEP-SOP	04/27/2022	10:29	GST	31.00	D	Ft.	0
Color by Observation	Observation	04/27/2022	10:29	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards



Pasco County Utilities Environmental Laboratory Report

8864 Government Drive

New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/3/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD24712**

Sample Method: SP

Date Sampled: 04/27/2022

Time Sampled: 11:23

Sampled By: GTORREY

Sample ID: 4MW12D @ RESREC

Sample Matrix: AQUEOUS-Groundwater

Date Received: 04/27/2022

Time Received: 16:19

Received By: TS

Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	04/28/2022	13:25	KS	0.70		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	04/28/2022	13:25	KS	0.70		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	04/28/2022	14:05	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/27/2022	11:23	GST	7.25	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	04/27/2022	11:23	GST	0.07	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/27/2022	11:23	GST	2.97	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/27/2022	11:23	GST	402	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/27/2022	11:23	GST	25.62	D	Deg C	0.00
Water Level NGVD	DEP-SOP	04/27/2022	11:23	GST	29.83	D	Ft.	0
Color by Observation	Observation	04/27/2022	11:23	GST	CLEAR	D	ObsColor	0

Analysis Comments

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XC = Reported value exceeds the MCL (F.A.C. 62-550).

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Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123

EPA Lab Code: FL00137



Pasco County Utilities Environmental Laboratory Report

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New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 4/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD24713**
Sample Method: SP
Date Sampled: 04/27/2022
Time Sampled: 12:30
Sampled By: GTORREY

Sample ID: 4MW13D @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 04/27/2022
Time Received: 16:19
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level NGVD	DEP-SOP	04/27/2022	12:30	GST	DRY	D	Ft.	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

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MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/23/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25521**
Sample Method: SP
Date Sampled: 05/17/2022
Time Sampled: 13:47
Sampled By: GTORREY

Sample ID: 4MW14D @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/17/2022
Time Received: 15:54
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	EPA 300.0	05/18/2022	10:17	EC	0.58		mg/L	0.002
pH Field	FDEP FT 1100	05/17/2022	13:47	GST	7.52	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/17/2022	13:47	GST	2.98	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/17/2022	13:47	GST	2.18	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/17/2022	13:47	GST	382	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/17/2022	13:47	GST	28.10	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/17/2022	13:47	GST	29.85	D	Ft.	0
Color by Observation	Observation	05/17/2022	13:47	GST	CLEAR	D	ObsColor	0

Analysis Comments

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I = Reported value is greater than or equal to the detection limit, but less than PQL.

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MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards



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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco Landfill

Hays Road

Shady Hills, FL

Report Date: 5/11/2022

24505084-533400

Justin G. Roessler

Sample Number: **AD25099**
Sample Method: SP
Date Sampled: 05/09/2022
Time Sampled: 09:14
Sampled By: GTORREY

Sample ID: 4MW21 @ RES REC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/09/2022
Time Received: 16:33
Received By: CS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/10/2022	14:33	KS	6.23		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/10/2022	14:33	KS	6.23		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/10/2022	13:45	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/09/2022	09:14	GST	5.22	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/09/2022	09:14	GST	0.28	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/09/2022	09:14	GST	6.52	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/09/2022	09:14	GST	133	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/09/2022	09:14	GST	24.43	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/09/2022	09:14	GST	29.91	D	Ft.	0
Color by Observation	Observation	05/09/2022	09:14	GST	CLEAR	D	ObsColor	0

Analysis Comments

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XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123

EPA Lab Code: FL00137



Pasco County Utilities Environmental Laboratory Report

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New Port Richey, FL 34654

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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco Landfill

Hays Road

Shady Hills, FL

Report Date: 5/11/2022

24505084-533400

Justin G. Roessler

Sample Number: **AD25100**
Sample Method: SP
Date Sampled: 05/09/2022
Time Sampled: 10:14
Sampled By: GTORREY

Sample ID: 4MW22
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/09/2022
Time Received: 16:33
Received By: CS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/10/2022	14:33	KS	0.24		mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/10/2022	14:33	KS	0.25		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/10/2022	13:45	EC	0.009	I	mg/L	0.004
pH Field	FDEP FT 1100	05/09/2022	10:14	GST	7.03	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/09/2022	10:14	GST	0.61	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/09/2022	10:14	GST	2.16	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/09/2022	10:14	GST	423	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/09/2022	10:14	GST	24.34	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/09/2022	10:14	GST	28.59	D	Ft.	0
Color by Observation	Observation	05/09/2022	10:14	GST	CLEAR	D	ObsColor	0

Analysis Comments

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I = Reported value is greater than or equal to the detection limit, but less than PQL.

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MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco Landfill

Hays Road

Shady Hills, FL

Report Date: 5/11/2022

24505084-533400

Justin G. Roessler

Sample Number: **AD25101**
Sample Method: SP
Date Sampled: 05/09/2022
Time Sampled: 11:06
Sampled By: GTORREY

Sample ID: 4MW23 @ RES REC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/09/2022
Time Received: 16:33
Received By: CS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/10/2022	14:33	KS	0.04	U	mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/10/2022	14:33	KS	0.04	U	mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/10/2022	13:45	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/09/2022	11:06	GST	7.27	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/09/2022	11:06	GST	0.12	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/09/2022	11:06	GST	1.97	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/09/2022	11:06	GST	508	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/09/2022	11:06	GST	24.99	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/09/2022	11:06	GST	27.99	D	Ft.	0
Color by Observation	Observation	05/09/2022	11:06	GST	CLEAR	D	ObsColor	0

Analysis Comments

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MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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Pasco County Utilities Environmental Laboratory Report

8864 Government Drive

New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/17/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25065**
Sample Method: SP
Date Sampled: 05/05/2022
Time Sampled: 14:22
Sampled By: GTORREY

Sample ID: 4MW27 @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/05/2022
Time Received: 15:55
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	SM18 4500-NO3 F	05/06/2022	14:04	KS	0.07	I	mg/L	0.04
Nitrate-Nitrite (NO3-NO2)	SM18 4500-NO3 F	05/06/2022	14:04	KS	0.07	I	mg/L	0.04
Nitrite (N)	SM18 4500-NO2 B	05/06/2022	15:00	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	05/05/2022	14:22	GST	7.25	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/05/2022	14:22	GST	0.05	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/05/2022	14:22	GST	2.50	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/05/2022	14:22	GST	538	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/05/2022	14:22	GST	27.15	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/05/2022	14:22	GST	32.1	D	Ft.	0
Color by Observation	Observation	05/05/2022	14:22	GST	CLEAR	D	ObsColor	0

Analysis Comments

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Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

Report Date: 5/23/2022

Justin G. Roessler

Sample Number: **AD25519**
Sample Method: SP
Date Sampled: 05/17/2022
Time Sampled: 11:22
Sampled By: GTORREY

Sample ID: 4MW27D @ RESREC
Sample Matrix: AQUEOUS-Groundwater
Date Received: 05/17/2022
Time Received: 15:54
Received By: TS
Delivered By: GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrate (N)	EPA 300.0	05/18/2022	10:17	EC	0.012	I	mg/L	0.002
pH Field	FDEP FT 1100	05/17/2022	11:22	GST	7.37	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	05/17/2022	11:22	GST	0.02	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	05/17/2022	11:22	GST	3.47	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	05/17/2022	11:22	GST	279	D	umhos/cm	1
Temperature Field	FDEP FT 1400	05/17/2022	11:22	GST	25.67	D	Deg C	0.00
Water Level NGVD	DEP-SOP	05/17/2022	11:22	GST	31.38	D	Ft.	0
Color by Observation	Observation	05/17/2022	11:22	GST	CLEAR	D	ObsColor	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

May 11, 2022

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Landfill
Pace Project No.: 35713535

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on April 28, 2022. 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.

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

- Pace Analytical Services - Ormond Beach

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

Sincerely,



Chelsea Gagne
chelsea.gagne@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Carissa Dennison, Pasco County Utilities Environmental
Laboratory



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35713535001	AD24709 2MW 15DA	Water	04/27/22 09:23	04/28/22 14:38
35713535002	AD24711 4MW11D	Water	04/27/22 10:32	04/28/22 14:38
35713535003	AD24712 4MW12D	Water	04/27/22 11:25	04/28/22 14:38
35713535004	AD24714 2MW13D	Water	04/27/22 13:08	04/28/22 14:38

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35713535001	AD24709 2MW 15DA	EPA 8011	SCL	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	AS3	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35713535002	AD24711 4MW11D	EPA 8011	SCL	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	AS3	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	DDM	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35713535003	AD24712 4MW12D	EPA 8011	SCL	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	AS3	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	DDM	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35713535004	AD24714 2MW13D	EPA 8011	SCL	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	AS3	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	JJB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24709 2MW 15DA **Lab ID:** 35713535001 **Collected:** 04/27/22 09:23 **Received:** 04/28/22 14:38 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Initial Volume/Weight: 34.94 mL Final Volume/Weight: 2 mL									
Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	05/02/22 15:23	05/03/22 16:21	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	05/02/22 15:23	05/03/22 16:21	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL									
Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	04/29/22 06:51	05/04/22 16:42	7440-38-2	
Barium	9.6 I	ug/L	10.0	0.84	1	04/29/22 06:51	05/04/22 16:42	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	04/29/22 06:51	05/04/22 16:42	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	04/29/22 06:51	05/04/22 16:42	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	04/29/22 06:51	05/04/22 16:42	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	04/29/22 06:51	05/04/22 16:42	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	04/29/22 06:51	05/04/22 16:42	7440-50-8	
Iron	28.0 I	ug/L	40.0	25.0	1	04/29/22 06:51	05/04/22 16:42	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	04/29/22 06:51	05/04/22 16:42	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	04/29/22 06:51	05/04/22 16:42	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	04/29/22 06:51	05/04/22 16:42	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	04/29/22 06:51	05/04/22 16:42	7440-22-4	
Sodium	3.4	mg/L	2.0	0.54	1	04/29/22 06:51	05/04/22 16:42	7440-23-5	
Vanadium	2.2 I	ug/L	10.0	1.0	1	04/29/22 06:51	05/04/22 16:42	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	04/29/22 06:51	05/04/22 16:42	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL									
Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	04/29/22 06:51	05/02/22 15:46	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	04/29/22 06:51	05/02/22 15:46	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL									
Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/05/22 07:59	05/05/22 12:23	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/05/22 02:00	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/05/22 02:00	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 02:00	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/05/22 02:00	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/05/22 02:00	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/05/22 02:00	75-25-2	J(v3)
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/05/22 02:00	74-83-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24709 2MW 15DA **Lab ID:** 35713535001 **Collected:** 04/27/22 09:23 **Received:** 04/28/22 14:38 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/05/22 02:00	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/05/22 02:00	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/05/22 02:00	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/05/22 02:00	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/05/22 02:00	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/05/22 02:00	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/05/22 02:00	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/05/22 02:00	124-48-1	J(v3)
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/05/22 02:00	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/05/22 02:00	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/05/22 02:00	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/05/22 02:00	110-57-6	J(v3)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/05/22 02:00	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/05/22 02:00	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/05/22 02:00	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/05/22 02:00	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/05/22 02:00	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/05/22 02:00	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/05/22 02:00	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/05/22 02:00	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 02:00	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/05/22 02:00	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/05/22 02:00	74-88-4	
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/05/22 02:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/05/22 02:00	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/05/22 02:00	100-42-5	J(v3)
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/05/22 02:00	630-20-6	J(v3)
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/05/22 02:00	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/05/22 02:00	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/05/22 02:00	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 02:00	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 02:00	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/05/22 02:00	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/05/22 02:00	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/05/22 02:00	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/05/22 02:00	108-05-4	J(v3)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/05/22 02:00	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/05/22 02:00	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		05/05/22 02:00	460-00-4	
Toluene-d8 (S)	452	%	70-130		1		05/05/22 02:00	2037-26-5	S3
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		05/05/22 02:00	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24709 2MW 15DA **Lab ID:** 35713535001 Collected: 04/27/22 09:23 Received: 04/28/22 14:38 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	149	mg/L	5.0	5.0	1		05/03/22 21:01		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL									
Pace Analytical Services - Ormond Beach									
Chloride	6.7	mg/L	5.0	2.5	1		05/05/22 15:40	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1									
Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL									
Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/10/22 15:17	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24711 4MW11D **Lab ID:** 35713535002 Collected: 04/27/22 10:32 Received: 04/28/22 14:38 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 35.62 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	05/02/22 15:23	05/03/22 16:36	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0098	0.0074	1	05/02/22 15:23	05/03/22 16:36	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	04/29/22 06:51	05/04/22 16:45	7440-38-2	
Barium	12.3	ug/L	10.0	0.84	1	04/29/22 06:51	05/04/22 16:45	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	04/29/22 06:51	05/04/22 16:45	7440-41-7	
Cadmium	0.33 I	ug/L	1.0	0.33	1	04/29/22 06:51	05/04/22 16:45	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	04/29/22 06:51	05/04/22 16:45	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	04/29/22 06:51	05/04/22 16:45	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	04/29/22 06:51	05/04/22 16:45	7440-50-8	
Iron	67.9	ug/L	40.0	25.0	1	04/29/22 06:51	05/04/22 16:45	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	04/29/22 06:51	05/04/22 16:45	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	04/29/22 06:51	05/04/22 16:45	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	04/29/22 06:51	05/04/22 16:45	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	04/29/22 06:51	05/04/22 16:45	7440-22-4	
Sodium	22.4	mg/L	2.0	0.54	1	04/29/22 06:51	05/04/22 16:45	7440-23-5	
Vanadium	2.2 I	ug/L	10.0	1.0	1	04/29/22 06:51	05/04/22 16:45	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	04/29/22 06:51	05/04/22 16:45	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	04/29/22 06:51	05/02/22 15:48	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	04/29/22 06:51	05/02/22 15:48	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.13 I	ug/L	0.20	0.090	1	05/05/22 07:59	05/05/22 12:25	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/05/22 04:29	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/05/22 04:29	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 04:29	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/05/22 04:29	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/05/22 04:29	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/05/22 04:29	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/05/22 04:29	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24711 4MW11D **Lab ID:** 35713535002 **Collected:** 04/27/22 10:32 **Received:** 04/28/22 14:38 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/05/22 04:29	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/05/22 04:29	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/05/22 04:29	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/05/22 04:29	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/05/22 04:29	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/05/22 04:29	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/05/22 04:29	74-87-3	J(v1)
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/05/22 04:29	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/05/22 04:29	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/05/22 04:29	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/05/22 04:29	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/05/22 04:29	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/05/22 04:29	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/05/22 04:29	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/05/22 04:29	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/05/22 04:29	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/05/22 04:29	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/05/22 04:29	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/05/22 04:29	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/05/22 04:29	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 04:29	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/05/22 04:29	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/05/22 04:29	74-88-4	J(v3)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/05/22 04:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/05/22 04:29	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/05/22 04:29	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/05/22 04:29	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/05/22 04:29	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/05/22 04:29	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/05/22 04:29	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 04:29	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 04:29	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/05/22 04:29	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/05/22 04:29	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/05/22 04:29	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/05/22 04:29	108-05-4	
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/05/22 04:29	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/05/22 04:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		05/05/22 04:29	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		05/05/22 04:29	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/05/22 04:29	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24711 4MW11D Lab ID: 35713535002 Collected: 04/27/22 10:32 Received: 04/28/22 14:38 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	336	mg/L	5.0	5.0	1		05/04/22 09:24		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	94.4	mg/L	5.0	2.5	1		05/05/22 16:45	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/10/22 15:18	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24712 4MW12D **Lab ID:** 35713535003 **Collected:** 04/27/22 11:25 **Received:** 04/28/22 14:38 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 35.21 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	05/02/22 15:23	05/03/22 16:50	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.0099	0.0075	1	05/02/22 15:23	05/03/22 16:50	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	04/29/22 06:51	05/04/22 16:49	7440-38-2	
Barium	7.1 I	ug/L	10.0	0.84	1	04/29/22 06:51	05/04/22 16:49	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	04/29/22 06:51	05/04/22 16:49	7440-41-7	
Cadmium	0.34 I	ug/L	1.0	0.33	1	04/29/22 06:51	05/04/22 16:49	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	04/29/22 06:51	05/04/22 16:49	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	04/29/22 06:51	05/04/22 16:49	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	04/29/22 06:51	05/04/22 16:49	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	04/29/22 06:51	05/04/22 16:49	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	04/29/22 06:51	05/04/22 16:49	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	04/29/22 06:51	05/04/22 16:49	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	04/29/22 06:51	05/04/22 16:49	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	04/29/22 06:51	05/04/22 16:49	7440-22-4	
Sodium	6.2	mg/L	2.0	0.54	1	04/29/22 06:51	05/04/22 16:49	7440-23-5	
Vanadium	1.8 I	ug/L	10.0	1.0	1	04/29/22 06:51	05/04/22 16:49	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	04/29/22 06:51	05/04/22 16:49	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	04/29/22 06:51	05/02/22 15:50	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	04/29/22 06:51	05/02/22 15:50	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.14 I	ug/L	0.20	0.090	1	05/05/22 07:59	05/05/22 12:28	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/05/22 05:14	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/05/22 05:14	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:14	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/05/22 05:14	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/05/22 05:14	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/05/22 05:14	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/05/22 05:14	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24712 4MW12D Lab ID: 35713535003 Collected: 04/27/22 11:25 Received: 04/28/22 14:38 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/05/22 05:14	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/05/22 05:14	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/05/22 05:14	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/05/22 05:14	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/05/22 05:14	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/05/22 05:14	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/05/22 05:14	74-87-3	J(v1)
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/05/22 05:14	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/05/22 05:14	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/05/22 05:14	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/05/22 05:14	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/05/22 05:14	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/05/22 05:14	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/05/22 05:14	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/05/22 05:14	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/05/22 05:14	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/05/22 05:14	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/05/22 05:14	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/05/22 05:14	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/05/22 05:14	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:14	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/05/22 05:14	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/05/22 05:14	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/05/22 05:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/05/22 05:14	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/05/22 05:14	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/05/22 05:14	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/05/22 05:14	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/05/22 05:14	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/05/22 05:14	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:14	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:14	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/05/22 05:14	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/05/22 05:14	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/05/22 05:14	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/05/22 05:14	108-05-4	
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/05/22 05:14	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/05/22 05:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/05/22 05:14	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		05/05/22 05:14	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/05/22 05:14	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24712 4MW12D Lab ID: 35713535003 Collected: 04/27/22 11:25 Received: 04/28/22 14:38 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	263	mg/L	5.0	5.0	1		05/04/22 09:24		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL									
Pace Analytical Services - Ormond Beach									
Chloride	20.2	mg/L	5.0	2.5	1		05/05/22 17:06	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1									
Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL									
Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/10/22 15:20	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24714 2MW13D **Lab ID:** 35713535004 **Collected:** 04/27/22 13:08 **Received:** 04/28/22 14:38 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 35.26 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	05/02/22 15:23	05/03/22 17:05	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0099	0.0074	1	05/02/22 15:23	05/03/22 17:05	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	04/29/22 06:51	05/04/22 16:53	7440-38-2	
Barium	7.8 I	ug/L	10.0	0.84	1	04/29/22 06:51	05/04/22 16:53	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	04/29/22 06:51	05/04/22 16:53	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	04/29/22 06:51	05/04/22 16:53	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	04/29/22 06:51	05/04/22 16:53	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	04/29/22 06:51	05/04/22 16:53	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	04/29/22 06:51	05/04/22 16:53	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	04/29/22 06:51	05/04/22 16:53	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	04/29/22 06:51	05/04/22 16:53	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	04/29/22 06:51	05/04/22 16:53	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	04/29/22 06:51	05/04/22 16:53	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	04/29/22 06:51	05/04/22 16:53	7440-22-4	
Sodium	7.7	mg/L	2.0	0.54	1	04/29/22 06:51	05/04/22 16:53	7440-23-5	
Vanadium	2.4 I	ug/L	10.0	1.0	1	04/29/22 06:51	05/04/22 16:53	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	04/29/22 06:51	05/04/22 16:53	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	04/29/22 06:51	05/02/22 15:52	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	04/29/22 06:51	05/02/22 15:52	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.14 I	ug/L	0.20	0.090	1	05/05/22 07:59	05/05/22 12:30	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/05/22 01:38	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/05/22 01:38	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 01:38	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/05/22 01:38	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/05/22 01:38	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/05/22 01:38	75-25-2	J(v3)
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/05/22 01:38	74-83-9	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24714 2MW13D **Lab ID:** 35713535004 **Collected:** 04/27/22 13:08 **Received:** 04/28/22 14:38 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/05/22 01:38	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/05/22 01:38	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/05/22 01:38	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/05/22 01:38	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/05/22 01:38	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/05/22 01:38	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/05/22 01:38	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/05/22 01:38	124-48-1	J(v2)
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/05/22 01:38	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/05/22 01:38	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/05/22 01:38	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/05/22 01:38	110-57-6	J(v3)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/05/22 01:38	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/05/22 01:38	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/05/22 01:38	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/05/22 01:38	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/05/22 01:38	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/05/22 01:38	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/05/22 01:38	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/05/22 01:38	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 01:38	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/05/22 01:38	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/05/22 01:38	74-88-4	J(v3)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/05/22 01:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/05/22 01:38	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/05/22 01:38	100-42-5	J(v3)
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/05/22 01:38	630-20-6	J(v3)
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/05/22 01:38	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/05/22 01:38	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/05/22 01:38	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 01:38	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 01:38	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/05/22 01:38	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/05/22 01:38	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/05/22 01:38	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/05/22 01:38	108-05-4	J(v3)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/05/22 01:38	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/05/22 01:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		05/05/22 01:38	460-00-4	
Toluene-d8 (S)	106	%	70-130		1		05/05/22 01:38	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/05/22 01:38	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35713535

Sample: AD24714 2MW13D Lab ID: 35713535004 Collected: 04/27/22 13:08 Received: 04/28/22 14:38 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	224	mg/L	5.0	5.0	1		05/04/22 11:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL									
Pace Analytical Services - Ormond Beach									
Chloride	15.2	mg/L	5.0	2.5	1		05/05/22 17:28	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1									
Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL									
Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/10/22 15:25	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch: 821547

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535001, 35713535002, 35713535003, 35713535004

METHOD BLANK: 4512094

Matrix: Water

Associated Lab Samples: 35713535001, 35713535002, 35713535003, 35713535004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/05/22 11:51	

LABORATORY CONTROL SAMPLE: 4512095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.3	117	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4512096 4512097

Parameter	Units	35713528005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.16 I	2	2	2.3	2.2	106	102	75-125	4	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch: 820087

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535001, 35713535002, 35713535003, 35713535004

METHOD BLANK: 4503580

Matrix: Water

Associated Lab Samples: 35713535001, 35713535002, 35713535003, 35713535004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	05/04/22 15:52	
Barium	ug/L	0.84 U	10.0	0.84	05/04/22 15:52	
Beryllium	ug/L	0.17 U	4.0	0.17	05/04/22 15:52	
Cadmium	ug/L	0.33 U	1.0	0.33	05/04/22 15:52	
Chromium	ug/L	1.7 U	5.0	1.7	05/04/22 15:52	
Cobalt	ug/L	0.96 U	10.0	0.96	05/04/22 15:52	
Copper	ug/L	2.6 U	5.0	2.6	05/04/22 15:52	
Iron	ug/L	25.0 U	40.0	25.0	05/04/22 15:52	
Lead	ug/L	4.6 U	10.0	4.6	05/04/22 15:52	
Nickel	ug/L	2.1 U	5.0	2.1	05/04/22 15:52	
Selenium	ug/L	3.9 U	15.0	3.9	05/04/22 15:52	
Silver	ug/L	1.0 U	5.0	1.0	05/04/22 15:52	
Sodium	mg/L	0.54 U	2.0	0.54	05/04/22 15:52	
Vanadium	ug/L	1.0 U	10.0	1.0	05/04/22 15:52	
Zinc	ug/L	11.0 U	20.0	11.0	05/04/22 15:52	

LABORATORY CONTROL SAMPLE: 4503581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	244	97	80-120	
Barium	ug/L	250	256	102	80-120	
Beryllium	ug/L	25	24.4	98	80-120	
Cadmium	ug/L	25	25.7	103	80-120	
Chromium	ug/L	250	250	100	80-120	
Cobalt	ug/L	250	251	101	80-120	
Copper	ug/L	250	247	99	80-120	
Iron	ug/L	2500	2500	100	80-120	
Lead	ug/L	250	256	102	80-120	
Nickel	ug/L	250	253	101	80-120	
Selenium	ug/L	250	258	103	80-120	
Silver	ug/L	25	25.1	101	80-120	
Sodium	mg/L	12.5	12.2	97	80-120	
Vanadium	ug/L	250	250	100	80-120	
Zinc	ug/L	1250	1260	101	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4503582 4503583											
Parameter	Units	35713528002		MS	MSD	MS		MS	MSD	% Rec Limits	Max RPD
		Result	U	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec		
Arsenic	ug/L	3.4	U	250	250	244	241	98	96	75-125	20
Barium	ug/L	14.3		250	250	272	272	103	103	75-125	20
Beryllium	ug/L	0.17	U	25	25	24.7	24.6	99	98	75-125	20
Cadmium	ug/L	0.33	U	25	25	26.0	25.9	104	103	75-125	20
Chromium	ug/L	1.7	U	250	250	254	253	102	101	75-125	20
Cobalt	ug/L	0.96	U	250	250	255	254	102	102	75-125	20
Copper	ug/L	2.6	U	250	250	250	249	99	99	75-125	20
Iron	ug/L	190		2500	2500	2700	2700	100	100	75-125	20
Lead	ug/L	4.6	U	250	250	257	257	103	103	75-125	20
Nickel	ug/L	2.1	U	250	250	256	255	102	102	75-125	20
Selenium	ug/L	3.9	U	250	250	245	245	97	97	75-125	20
Silver	ug/L	1.0	U	25	25	25.2	25.1	100	99	75-125	20
Sodium	mg/L	3.5		12.5	12.5	16.0	16.0	100	100	75-125	20
Vanadium	ug/L	1.0	U	250	250	253	252	101	101	75-125	20
Zinc	ug/L	11.0	U	1250	1250	1280	1270	102	102	75-125	20

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch:	820086	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535001, 35713535002, 35713535003, 35713535004

METHOD BLANK: 4503576 Matrix: Water

Associated Lab Samples: 35713535001, 35713535002, 35713535003, 35713535004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	05/02/22 14:09	
Thallium	ug/L	0.11 U	1.0	0.11	05/02/22 14:09	

LABORATORY CONTROL SAMPLE: 4503577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	51.2	102	80-120	
Thallium	ug/L	50	56.0	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4503578 4503579

Parameter	Units	35713528001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	1.8	50	50	52.9	51.9	102	100	75-125	2	20	
Thallium	ug/L	0.11 U	50	50	55.2	54.0	110	108	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch: 821489

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535002, 35713535003

METHOD BLANK: 4511877

Matrix: Water

Associated Lab Samples: 35713535002, 35713535003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/04/22 20:40	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/04/22 20:40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/04/22 20:40	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/04/22 20:40	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/04/22 20:40	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/04/22 20:40	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/04/22 20:40	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/04/22 20:40	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/04/22 20:40	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/04/22 20:40	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/04/22 20:40	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/04/22 20:40	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/04/22 20:40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/04/22 20:40	
Acetone	ug/L	10.6 I	25.0	9.4	05/04/22 20:40	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/04/22 20:40	
Benzene	ug/L	0.30 U	1.0	0.30	05/04/22 20:40	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/04/22 20:40	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/04/22 20:40	
Bromoform	ug/L	2.8 U	3.0	2.8	05/04/22 20:40	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/04/22 20:40	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/04/22 20:40	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/04/22 20:40	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/04/22 20:40	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/04/22 20:40	J(v1)
Chloroform	ug/L	0.56 U	1.0	0.56	05/04/22 20:40	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/04/22 20:40	J(v1)
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/04/22 20:40	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/04/22 20:40	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/04/22 20:40	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/04/22 20:40	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/04/22 20:40	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/04/22 20:40	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/04/22 20:40	
Styrene	ug/L	0.65 U	1.0	0.65	05/04/22 20:40	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/04/22 20:40	
Toluene	ug/L	0.71 U	1.0	0.71	05/04/22 20:40	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/04/22 20:40	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/04/22 20:40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/04/22 20:40	J(v2)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

METHOD BLANK: 4511877

Matrix: Water

Associated Lab Samples: 35713535002, 35713535003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/04/22 20:40	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/04/22 20:40	J(v1)
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/04/22 20:40	
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/04/22 20:40	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/04/22 20:40	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		05/04/22 20:40	
4-Bromofluorobenzene (S)	%	95	70-130		05/04/22 20:40	
Toluene-d8 (S)	%	100	70-130		05/04/22 20:40	

LABORATORY CONTROL SAMPLE: 4511878

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	70-130	
1,1,1-Trichloroethane	ug/L	20	19.2	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.4	112	68-125	
1,1,2-Trichloroethane	ug/L	20	21.9	109	70-130	
1,1-Dichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethene	ug/L	20	22.5	113	66-133	
1,2,3-Trichloropropane	ug/L	20	22.8	114	62-127	
1,2-Dichlorobenzene	ug/L	20	22.5	112	70-130	
1,2-Dichloroethane	ug/L	20	21.0	105	70-130	
1,2-Dichloropropane	ug/L	20	21.3	106	70-130	
1,4-Dichlorobenzene	ug/L	20	22.9	114	70-130	
2-Butanone (MEK)	ug/L	100	104	104	47-143	
2-Hexanone	ug/L	100	108	108	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	110	110	57-132	
Acetone	ug/L	100	113	113	46-148	
Acrylonitrile	ug/L	100	113	113	60-143	
Benzene	ug/L	20	20.2	101	70-130	
Bromochloromethane	ug/L	20	19.9	100	70-130	
Bromodichloromethane	ug/L	20	20.0	100	70-130	
Bromoform	ug/L	20	20.1	100	49-126	
Bromomethane	ug/L	20	9.4 I	47	10-165 J(v3)	
Carbon disulfide	ug/L	20	20.8	104	60-141	
Carbon tetrachloride	ug/L	20	20.5	102	63-126	
Chlorobenzene	ug/L	20	20.8	104	70-130	
Chloroethane	ug/L	20	25.1	125	71-142 J(v1)	
Chloroform	ug/L	20	19.0	95	70-130	
Chloromethane	ug/L	20	24.1	121	40-140 J(v1)	
cis-1,2-Dichloroethene	ug/L	20	20.1	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.3	102	70-130	
Dibromochloromethane	ug/L	20	20.5	102	62-118	
Dibromomethane	ug/L	20	19.5	98	70-130	
Ethylbenzene	ug/L	20	21.0	105	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

LABORATORY CONTROL SAMPLE: 4511878

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	40	10-164	J(v3)
Methylene Chloride	ug/L	20	23.3	116	65-136	
Styrene	ug/L	20	18.4	92	70-130	
Tetrachloroethene	ug/L	20	20.2	101	64-134	
Toluene	ug/L	20	20.9	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.6	108	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.3	102	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	11.4	57	42-129	J(v3)
Trichloroethene	ug/L	20	19.6	98	70-130	
Trichlorofluoromethane	ug/L	20	25.1	125	65-135	J(v1)
Vinyl acetate	ug/L	20	23.5	118	60-144	
Vinyl chloride	ug/L	20	22.1	111	68-131	
Xylene (Total)	ug/L	60	62.3	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4511880

Parameter	Units	35713535003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	17.2	86	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	17.4	87	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	19.1	95	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.3	91	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.6	93	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	21.9	109	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	19.5	98	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.5	88	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	17.9	89	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	17.8	89	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.7	88	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	89.4	89	47-143	
2-Hexanone	ug/L	10.0 U	100	90.8	91	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	95.3	95	57-132	
Acetone	ug/L	9.4 U	100	107	107	46-148	
Acrylonitrile	ug/L	11.0 U	100	101	101	60-143	
Benzene	ug/L	0.30 U	20	17.7	88	70-130	
Bromochloromethane	ug/L	0.37 U	20	17.3	86	70-130	
Bromodichloromethane	ug/L	0.44 U	20	17.2	86	70-130	
Bromoform	ug/L	2.8 U	20	14.6	73	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	18	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	19.2	96	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	18.5	92	63-126	
Chlorobenzene	ug/L	0.35 U	20	17.5	88	70-130	
Chloroethane	ug/L	3.7 U	20	27.4	137	71-142	J(v1)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

MATRIX SPIKE SAMPLE: 4511880		35713535003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	16.5	82	70-130	
Chloromethane	ug/L	0.92 U	20	21.6	108	40-140	J(v1)
cis-1,2-Dichloroethene	ug/L	0.83 U	20	17.9	89	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	16.0	80	70-130	
Dibromochloromethane	ug/L	0.97 U	20	16.8	84	62-118	
Dibromomethane	ug/L	0.34 U	20	16.5	82	70-130	
Ethylbenzene	ug/L	0.30 U	20	17.8	89	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	40	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	20.4	102	65-136	
Styrene	ug/L	0.65 U	20	14.1	71	70-130	
Tetrachloroethene	ug/L	0.38 U	20	16.5	83	64-134	
Toluene	ug/L	0.71 U	20	18.4	92	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.6	93	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	16.7	84	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	9.8 I	49	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	16.3	81	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	23.9	119	65-135	J(v1)
Vinyl acetate	ug/L	1.8 U	20	16.7	84	60-144	
Vinyl chloride	ug/L	0.88 U	20	20.1	101	68-131	
Xylene (Total)	ug/L	2.1 U	60	51.5	86	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				93	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 4511879

Parameter	Units	35713535002	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

SAMPLE DUPLICATE: 4511879

Parameter	Units	35713535002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	J(v1)
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	J(v1)
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	100	101		40	
4-Bromofluorobenzene (S)	%	95	93		40	
Toluene-d8 (S)	%	103	103		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch: 821490

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535001, 35713535004

METHOD BLANK: 4511889

Matrix: Water

Associated Lab Samples: 35713535001, 35713535004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/04/22 20:48	J(v2)
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/04/22 20:48	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/04/22 20:48	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/04/22 20:48	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/04/22 20:48	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/04/22 20:48	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/04/22 20:48	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/04/22 20:48	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/04/22 20:48	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/04/22 20:48	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/04/22 20:48	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/04/22 20:48	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/04/22 20:48	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/04/22 20:48	
Acetone	ug/L	9.4 U	25.0	9.4	05/04/22 20:48	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/04/22 20:48	
Benzene	ug/L	0.30 U	1.0	0.30	05/04/22 20:48	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/04/22 20:48	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/04/22 20:48	
Bromoform	ug/L	2.8 U	3.0	2.8	05/04/22 20:48	J(v2)
Bromomethane	ug/L	3.9 U	10.0	3.9	05/04/22 20:48	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/04/22 20:48	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/04/22 20:48	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/04/22 20:48	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/04/22 20:48	
Chloroform	ug/L	0.56 U	1.0	0.56	05/04/22 20:48	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/04/22 20:48	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/04/22 20:48	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/04/22 20:48	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/04/22 20:48	J(v2)
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/04/22 20:48	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/04/22 20:48	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/04/22 20:48	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/04/22 20:48	
Styrene	ug/L	0.65 U	1.0	0.65	05/04/22 20:48	J(v2)
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/04/22 20:48	
Toluene	ug/L	0.71 U	1.0	0.71	05/04/22 20:48	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/04/22 20:48	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/04/22 20:48	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/04/22 20:48	J(v2)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

METHOD BLANK: 4511889

Matrix: Water

Associated Lab Samples: 35713535001, 35713535004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/04/22 20:48	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/04/22 20:48	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/04/22 20:48	J(v2)
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/04/22 20:48	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/04/22 20:48	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		05/04/22 20:48	
4-Bromofluorobenzene (S)	%	94	70-130		05/04/22 20:48	
Toluene-d8 (S)	%	108	70-130		05/04/22 20:48	

LABORATORY CONTROL SAMPLE: 4511890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	15.8	79	70-130	J(v3)
1,1,1-Trichloroethane	ug/L	20	18.5	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.4	102	68-125	
1,1,2-Trichloroethane	ug/L	20	18.0	90	70-130	
1,1-Dichloroethane	ug/L	20	19.7	98	70-130	
1,1-Dichloroethene	ug/L	20	18.4	92	66-133	
1,2,3-Trichloropropane	ug/L	20	21.9	110	62-127	
1,2-Dichlorobenzene	ug/L	20	22.1	111	70-130	
1,2-Dichloroethane	ug/L	20	21.9	110	70-130	
1,2-Dichloropropane	ug/L	20	20.9	105	70-130	
1,4-Dichlorobenzene	ug/L	20	21.9	109	70-130	
2-Butanone (MEK)	ug/L	100	88.5	89	47-143	
2-Hexanone	ug/L	100	100	100	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.6	97	57-132	
Acetone	ug/L	100	103	103	46-148	
Acrylonitrile	ug/L	100	96.1	96	60-143	
Benzene	ug/L	20	19.3	96	70-130	
Bromochloromethane	ug/L	20	18.5	93	70-130	
Bromodichloromethane	ug/L	20	18.1	90	70-130	
Bromoform	ug/L	20	13.1	66	49-126	J(v3)
Bromomethane	ug/L	20	17.6	88	10-165	
Carbon disulfide	ug/L	20	16.7	84	60-141	
Carbon tetrachloride	ug/L	20	16.5	83	63-126	
Chlorobenzene	ug/L	20	18.6	93	70-130	
Chloroethane	ug/L	20	17.8	89	71-142	
Chloroform	ug/L	20	18.1	90	70-130	
Chloromethane	ug/L	20	19.3	96	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.0	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	70-130	
Dibromochloromethane	ug/L	20	15.6	78	62-118	J(v3)
Dibromomethane	ug/L	20	20.8	104	70-130	
Ethylbenzene	ug/L	20	19.0	95	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

LABORATORY CONTROL SAMPLE: 4511890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	14.0	70	10-164	J(v3)
Methylene Chloride	ug/L	20	19.9	99	65-136	
Styrene	ug/L	20	16.0	80	70-130	J(v3)
Tetrachloroethene	ug/L	20	18.9	94	64-134	
Toluene	ug/L	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.1	86	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.3	87	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	12.1	61	42-129	J(v3)
Trichloroethene	ug/L	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	20	20.8	104	65-135	
Vinyl acetate	ug/L	20	15.7	78	60-144	J(v3)
Vinyl chloride	ug/L	20	18.2	91	68-131	
Xylene (Total)	ug/L	60	59.4	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			92	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 4511892

Parameter	Units	35714430002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	14.7	73	70-130	J(v3)
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.3	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.0	90	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.0	85	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.0	105	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	20.1	101	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.5	92	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.8	94	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	22.4	112	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.6	92	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	77.5	78	47-143	
2-Hexanone	ug/L	10.0 U	100	86.6	87	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	85.3	85	57-132	
Acetone	ug/L	9.4 U	100	97.1	97	46-148	
Acrylonitrile	ug/L	11.0 U	100	97.0	97	60-143	
Benzene	ug/L	0.30 U	20	20.5	102	70-130	
Bromochloromethane	ug/L	0.37 U	20	18.8	94	70-130	
Bromodichloromethane	ug/L	0.44 U	20	17.7	89	70-130	
Bromoform	ug/L	2.8 U	20	11.4	57	49-126	J(v3)
Bromomethane	ug/L	3.9 U	20	11.7	59	10-165	
Carbon disulfide	ug/L	1.8 U	20	18.8	94	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	17.4	87	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.2	91	70-130	
Chloroethane	ug/L	3.7 U	20	17.8	89	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

MATRIX SPIKE SAMPLE: 4511892		35714430002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	19.2	96	70-130	
Chloromethane	ug/L	0.92 U	20	20.0	100	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	19.9	99	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	16.5	83	70-130	
Dibromochloromethane	ug/L	0.97 U	20	14.3	72	62-118 J(v3)	
Dibromomethane	ug/L	0.34 U	20	18.0	90	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.7	94	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	33	10-164 J(v3)	
Methylene Chloride	ug/L	4.4 U	20	20.6	103	65-136	
Styrene	ug/L	0.65 U	20	14.9	74	70-130 J(v3)	
Tetrachloroethene	ug/L	0.38 U	20	18.2	91	64-134	
Toluene	ug/L	0.71 U	20	18.9	94	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.2	91	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	15.2	76	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	9.6 I	48	42-129 J(v3)	
Trichloroethene	ug/L	0.36 U	20	18.1	90	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	22.2	111	65-135	
Vinyl acetate	ug/L	1.8 U	20	14.1	71	60-144 J(v3)	
Vinyl chloride	ug/L	0.88 U	20	19.2	96	68-131	
Xylene (Total)	ug/L	2.1 U	60	57.3	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				90	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 4511891

Parameter	Units	35714430001	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	J(v2)
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

SAMPLE DUPLICATE: 4511891

Parameter	Units	35714430001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	J(v2)
Bromomethane	ug/L	3.9 U	3.9 U		40	
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	J(v2)
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	J(v2)
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	J(v2)
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	100	102		40	
4-Bromofluorobenzene (S)	%	87	92		40	
Toluene-d8 (S)	%	108	103		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch:	820673	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535001, 35713535002, 35713535003, 35713535004

METHOD BLANK: 4506548 Matrix: Water

Associated Lab Samples: 35713535001, 35713535002, 35713535003, 35713535004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/03/22 14:52	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/03/22 14:52	

LABORATORY CONTROL SAMPLE: 4506549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	105	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.26	104	60-140	

MATRIX SPIKE SAMPLE: 4506550

Parameter	Units	35713955001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.25	0.23	91	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.25	0.23	90	60-140	

SAMPLE DUPLICATE: 4506551

Parameter	Units	35713863001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.0065 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.0076 U		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch: 821100

QC Batch Method: SM 2540C

Analysis Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535001

METHOD BLANK: 4509317

Matrix: Water

Associated Lab Samples: 35713535001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/03/22 21:01	

LABORATORY CONTROL SAMPLE: 4509318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	295	98	90-110	

SAMPLE DUPLICATE: 4509319

Parameter	Units	35713514007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	241	241	0	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch: 821242

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535002, 35713535003

METHOD BLANK: 4510009

Matrix: Water

Associated Lab Samples: 35713535002, 35713535003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/04/22 09:24	

LABORATORY CONTROL SAMPLE: 4510010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	308	103	90-110	

SAMPLE DUPLICATE: 4510011

Parameter	Units	35713535002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	336	365	8	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch: 821256

QC Batch Method: SM 2540C

Analysis Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535004

METHOD BLANK: 4510102

Matrix: Water

Associated Lab Samples: 35713535004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/04/22 11:34	

LABORATORY CONTROL SAMPLE: 4510103

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	301	100	90-110	

SAMPLE DUPLICATE: 4510104

Parameter	Units	35713528004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	52.0	39.0	29	10	J(D6)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch:	821697	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535001, 35713535002, 35713535003, 35713535004

METHOD BLANK: 4512761 Matrix: Water
Associated Lab Samples: 35713535001, 35713535002, 35713535003, 35713535004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	05/05/22 14:57	

LABORATORY CONTROL SAMPLE: 4512762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.3	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4516390 4516391

Parameter	Units	35713535001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.7	50	50	53.8	53.6	94	94	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4516392 4516393

Parameter	Units	35714535001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	31.8	50	50	84.3	84.8	105	106	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch: 822724

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535001, 35713535002, 35713535003

METHOD BLANK: 4519471

Matrix: Water

Associated Lab Samples: 35713535001, 35713535002, 35713535003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/10/22 14:31	

LABORATORY CONTROL SAMPLE: 4519472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4519474 4519473

Parameter	Units	35713438001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	7.0	1	1	8.0	8.0	97	94	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4519475 4519476

Parameter	Units	35713446002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	1.2	1	1	2.3	2.4	108	113	90-110	2	20 J(M1)	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35713535

QC Batch:	822727	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35713535004

METHOD BLANK: 4519483 Matrix: Water

Associated Lab Samples: 35713535004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/10/22 15:22	

LABORATORY CONTROL SAMPLE: 4519484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4519486 4519485

Parameter	Units	35713535004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.0	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4519487 4519488

Parameter	Units	35714257001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.049 I	1	1	1.1	1.1	102	102	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35713535

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
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.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(v1)	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill

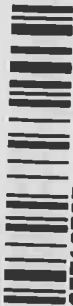
Pace Project No.: 35713535

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35713535001	AD24709 2MW 15DA	EPA 8011	820673	EPA 8011	820784
35713535002	AD24711 4MW11D	EPA 8011	820673	EPA 8011	820784
35713535003	AD24712 4MW12D	EPA 8011	820673	EPA 8011	820784
35713535004	AD24714 2MW13D	EPA 8011	820673	EPA 8011	820784
35713535001	AD24709 2MW 15DA	EPA 3010	820087	EPA 6010	820178
35713535002	AD24711 4MW11D	EPA 3010	820087	EPA 6010	820178
35713535003	AD24712 4MW12D	EPA 3010	820087	EPA 6010	820178
35713535004	AD24714 2MW13D	EPA 3010	820087	EPA 6010	820178
35713535001	AD24709 2MW 15DA	EPA 3010	820086	EPA 6020	820173
35713535002	AD24711 4MW11D	EPA 3010	820086	EPA 6020	820173
35713535003	AD24712 4MW12D	EPA 3010	820086	EPA 6020	820173
35713535004	AD24714 2MW13D	EPA 3010	820086	EPA 6020	820173
35713535001	AD24709 2MW 15DA	EPA 7470	821547	EPA 7470	821581
35713535002	AD24711 4MW11D	EPA 7470	821547	EPA 7470	821581
35713535003	AD24712 4MW12D	EPA 7470	821547	EPA 7470	821581
35713535004	AD24714 2MW13D	EPA 7470	821547	EPA 7470	821581
35713535001	AD24709 2MW 15DA	EPA 8260	821490		
35713535002	AD24711 4MW11D	EPA 8260	821489		
35713535003	AD24712 4MW12D	EPA 8260	821489		
35713535004	AD24714 2MW13D	EPA 8260	821490		
35713535001	AD24709 2MW 15DA	SM 2540C	821100		
35713535002	AD24711 4MW11D	SM 2540C	821242		
35713535003	AD24712 4MW12D	SM 2540C	821242		
35713535004	AD24714 2MW13D	SM 2540C	821256		
35713535001	AD24709 2MW 15DA	EPA 300.0	821697		
35713535002	AD24711 4MW11D	EPA 300.0	821697		
35713535003	AD24712 4MW12D	EPA 300.0	821697		
35713535004	AD24714 2MW13D	EPA 300.0	821697		
35713535001	AD24709 2MW 15DA	EPA 350.1	822724		
35713535002	AD24711 4MW11D	EPA 350.1	822724		
35713535003	AD24712 4MW12D	EPA 350.1	822724		
35713535004	AD24714 2MW13D	EPA 350.1	822727		

REPORT OF LABORATORY ANALYSIS

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NO#: 35713535



35713535

CHAIN-OF-CUSTODY / Analytical Request Do

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be filled out. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <https://info.pacelabs.com/chain-of-custody>

Section B

Required Client Information:

Required Project Information:

Company:	Pasco County Environmental Laboratory	Report To:	Ms. Candia E. Mulhern
Address:	8664 Government Drive	Copy To:	
New Port Richey, FL 34654		Purchase Order #:	
Email:		Project Name:	Resource Recovery Landfill
Phone:	(727) 847-8902	Fax:	
Requested Due Date:		Project #:	

Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	mike.valder@pacelabs.com
Pace Profile #:	942 line 1, 7

Regulatory Agency

State / Location

Florida

Requested Analysis Filtered (Y/N)

ITEM #	MATRIX	CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Y/N	Requested Analysis Filtered (Y/N)									
				START	END			Unpreserved		Tripp Blank 8260 VOCs Full List APP I	8260 VOCs Full List APP I	APP I Metals by 6020 ICPMS, 6010 ICP, HG	Tripp Blank EDB and DBCP EPA 8011	EDB and DBCP EPA 8011	ammonia	Chloride, TDS	Residual Chlorine (Y/N)		
1	AD24709	2MW 150A		4-27 920	923	4-27 923	9			3	1	2	1	2	1	2			
2	AD24711	4MW 11D		4-27 1029	1032	4-27 1032	9			3	1	2	1	2	1	2			
3	AD24712	4MW 12D		4-27 1123	1125	4-27 1125	9			3	1	2	1	2	1	2			
4	AD24714	2MW 13D		4-27 1305	1308	4-27 1308	9			3	1	2	1	2	1	2			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on	Sealed	Custody	Samples
Bottle Kit	Pace	4/27/2019	0845								
		4/27/2019	1619				6.9				
		4/28/2019	1339								
		4/28/2019	1438				1583.6				



Sample Condition Upon Receipt Form (SCUR)

WO#: 35713535

Project #
Project Manager:
Client:

PM: CLG Due Date: 05/12/22
CLIENT: PASCOU

Date and Initials of person:
Examining contents:
Label:
Deliver:
pH:

Thermometer Used: T-393 Date: 4-28-22 Time: 2147 Initials: KMF

State of Origin:

☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 11.7 (Visual) +0.0 (Correction Factor) 1.7 (Actual)
Cooler #2 Temp. °C (Visual) (Correction Factor) (Actual)
Cooler #3 Temp. °C (Visual) (Correction Factor) (Actual)
Cooler #4 Temp. °C (Visual) (Correction Factor) (Actual)
Cooler #5 Temp. °C (Visual) (Correction Factor) (Actual)
Cooler #6 Temp. °C (Visual) (Correction Factor) (Actual)
Recheck for OOT °C (Visual) (Correction Factor) (Actual) Time: Initials:

☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority
☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ one ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information: Preservative: Lot #/Trace #: Date: Time: Initials:
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	

Comments/ Resolution (use back for additional comments):



WO#: 35713535

(SCUR)

Project # PM: CLG Due Date: 05/12/22
Project Manager: CLIENT: PASCOU
Client:

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T202

Date: 4-28-22

Time: 14:38

Initials: DS

State of Origin: FL

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 3.4 (Visual) +0.2 (Correction Factor) 3.6 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual) Time: _____ Initials: _____

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other _____

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☒ Ground ☐ International Priority

☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	☐ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☐ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☐ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☐ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☐ No ☐ N/A	
Sufficient Volume	☐ Yes ☐ No ☐ N/A	
Correct Containers Used	☐ Yes ☐ No ☐ N/A	
Containers Intact	☐ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☐ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A	Preservative: _____
Exceptions: Vials, Microbiology, O&G, PFAS		Lot #/Trace #: _____
		Date: _____ Time: _____
		Initials: _____
Headspace in VOA Vials? ($> 6\text{mm}$):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☐ N/A	

Comments/ Resolution (use back for additional comments): _____

May 16, 2022

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Landfill
Pace Project No.: 35714430

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on May 03, 2022. 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.

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

- Pace Analytical Services - Ormond Beach
- Pace Analytical Services - Tampa

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

Sincerely,



Chelsea Gagne
chelsea.gagne@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Carissa Dennison, Pasco County Utilities Environmental
Laboratory



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery Landfill

Pace Project No.: 35714430

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Tampa

110 South Bayview Blvd., Tampa, FL 34677

Florida Certification #:E84129

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Resource Recovery Landfill

Pace Project No.: 35714430

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35714430001	AD24868 4MW2	Water	05/02/22 12:43	05/03/22 15:00
35714430002	AD24869 4MW4	Water	05/02/22 16:14	05/03/22 15:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill

Pace Project No.: 35714430

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35714430001	AD24868 4MW2	EPA 8011	TSW	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35714430002	AD24869 4MW4	EPA 8011	TSW	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

PASI-Tp = Pace Analytical Services - Tampa

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714430

Sample: AD24868 4MW2 **Lab ID:** 35714430001 **Collected:** 05/02/22 12:43 **Received:** 05/03/22 15:00 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.8 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	05/04/22 13:29	05/05/22 05:04	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	05/04/22 13:29	05/05/22 05:04	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/06/22 08:30	05/07/22 13:28	7440-38-2	
Barium	7.0 I	ug/L	10.0	0.84	1	05/06/22 08:30	05/07/22 13:28	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/06/22 08:30	05/07/22 13:28	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/06/22 08:30	05/07/22 13:28	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/06/22 08:30	05/07/22 13:28	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/06/22 08:30	05/07/22 13:28	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/06/22 08:30	05/07/22 13:28	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/06/22 08:30	05/07/22 13:28	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/06/22 08:30	05/07/22 13:28	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/06/22 08:30	05/07/22 13:28	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/06/22 08:30	05/07/22 13:28	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/06/22 08:30	05/07/22 13:28	7440-22-4	
Sodium	2.7	mg/L	2.0	0.54	1	05/06/22 08:30	05/07/22 13:28	7440-23-5	
Vanadium	5.8 I	ug/L	10.0	1.0	1	05/06/22 08:30	05/07/22 13:28	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/06/22 08:30	05/07/22 13:28	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/06/22 08:30	05/09/22 20:03	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/06/22 08:30	05/10/22 13:13	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/09/22 13:26	05/11/22 10:58	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/05/22 03:07	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/05/22 03:07	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 03:07	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/05/22 03:07	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/05/22 03:07	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/05/22 03:07	75-25-2	J(v2)
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/05/22 03:07	74-83-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714430

Sample: AD24868 4MW2 **Lab ID:** 35714430001 **Collected:** 05/02/22 12:43 **Received:** 05/03/22 15:00 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/05/22 03:07	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/05/22 03:07	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/05/22 03:07	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/05/22 03:07	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/05/22 03:07	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/05/22 03:07	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/05/22 03:07	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/05/22 03:07	124-48-1	J(v2)
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/05/22 03:07	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/05/22 03:07	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/05/22 03:07	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/05/22 03:07	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/05/22 03:07	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/05/22 03:07	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/05/22 03:07	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/05/22 03:07	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/05/22 03:07	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/05/22 03:07	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/05/22 03:07	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/05/22 03:07	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 03:07	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/05/22 03:07	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/05/22 03:07	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/05/22 03:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/05/22 03:07	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/05/22 03:07	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/05/22 03:07	630-20-6	J(v2)
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/05/22 03:07	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/05/22 03:07	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/05/22 03:07	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 03:07	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 03:07	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/05/22 03:07	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/05/22 03:07	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/05/22 03:07	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/05/22 03:07	108-05-4	J(v2)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/05/22 03:07	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/05/22 03:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		05/05/22 03:07	460-00-4	
Toluene-d8 (S)	108	%	70-130		1		05/05/22 03:07	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/05/22 03:07	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714430

Sample: AD24868 4MW2 Lab ID: 35714430001 Collected: 05/02/22 12:43 Received: 05/03/22 15:00 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	112	mg/L	5.0	5.0	1		05/05/22 16:36		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	5.8	mg/L	5.0	2.5	1		05/11/22 07:08	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/13/22 15:43	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714430

Sample: AD24869 4MW4 **Lab ID: 35714430002** Collected: 05/02/22 16:14 Received: 05/03/22 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.54 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	05/04/22 13:29	05/05/22 05:18	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	05/04/22 13:29	05/05/22 05:18	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/06/22 08:30	05/07/22 13:31	7440-38-2	
Barium	8.6 I	ug/L	10.0	0.84	1	05/06/22 08:30	05/07/22 13:31	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/06/22 08:30	05/07/22 13:31	7440-41-7	
Cadmium	0.41 I	ug/L	1.0	0.33	1	05/06/22 08:30	05/07/22 13:31	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/06/22 08:30	05/07/22 13:31	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/06/22 08:30	05/07/22 13:31	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/06/22 08:30	05/07/22 13:31	7440-50-8	
Iron	96.2	ug/L	40.0	25.0	1	05/06/22 08:30	05/07/22 13:31	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/06/22 08:30	05/07/22 13:31	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/06/22 08:30	05/07/22 13:31	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/06/22 08:30	05/07/22 13:31	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/06/22 08:30	05/07/22 13:31	7440-22-4	
Sodium	5.6	mg/L	2.0	0.54	1	05/06/22 08:30	05/07/22 13:31	7440-23-5	
Vanadium	3.9 I	ug/L	10.0	1.0	1	05/06/22 08:30	05/07/22 13:31	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/06/22 08:30	05/07/22 13:31	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/06/22 08:30	05/09/22 20:06	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/06/22 08:30	05/10/22 13:15	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/09/22 13:26	05/11/22 11:14	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/05/22 03:52	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/05/22 03:52	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 03:52	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/05/22 03:52	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/05/22 03:52	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/05/22 03:52	75-25-2	J(v2)
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/05/22 03:52	74-83-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714430

Sample: AD24869 4MW4 **Lab ID: 35714430002** Collected: 05/02/22 16:14 Received: 05/03/22 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/05/22 03:52	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/05/22 03:52	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/05/22 03:52	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/05/22 03:52	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/05/22 03:52	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/05/22 03:52	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/05/22 03:52	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/05/22 03:52	124-48-1	J(v2)
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/05/22 03:52	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/05/22 03:52	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/05/22 03:52	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/05/22 03:52	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/05/22 03:52	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/05/22 03:52	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/05/22 03:52	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/05/22 03:52	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/05/22 03:52	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/05/22 03:52	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/05/22 03:52	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/05/22 03:52	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 03:52	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/05/22 03:52	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/05/22 03:52	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/05/22 03:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/05/22 03:52	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/05/22 03:52	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/05/22 03:52	630-20-6	J(v2)
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/05/22 03:52	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/05/22 03:52	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/05/22 03:52	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 03:52	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 03:52	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/05/22 03:52	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/05/22 03:52	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/05/22 03:52	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/05/22 03:52	108-05-4	J(v2)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/05/22 03:52	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/05/22 03:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/05/22 03:52	460-00-4	
Toluene-d8 (S)	106	%	70-130		1		05/05/22 03:52	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/05/22 03:52	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714430

Sample: AD24869 4MW4 Lab ID: 35714430002 Collected: 05/02/22 16:14 Received: 05/03/22 15:00 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	226	mg/L	5.0	5.0	1		05/05/22 16:36		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	15.5	mg/L	5.0	2.5	1		05/11/22 08:14	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/13/22 15:48	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

QC Batch: 822428

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714430001, 35714430002

METHOD BLANK: 4517419

Matrix: Water

Associated Lab Samples: 35714430001, 35714430002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/11/22 10:53	

LABORATORY CONTROL SAMPLE: 4517420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4517421 4517422

Parameter	Units	35714430001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.1	2.1	103	103	75-125	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

QC Batch: 821916

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714430001, 35714430002

METHOD BLANK: 4514252

Matrix: Water

Associated Lab Samples: 35714430001, 35714430002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	05/07/22 12:58	
Barium	ug/L	0.84 U	10.0	0.84	05/07/22 12:58	
Beryllium	ug/L	0.17 U	4.0	0.17	05/07/22 12:58	
Cadmium	ug/L	0.33 U	1.0	0.33	05/07/22 12:58	
Chromium	ug/L	1.7 U	5.0	1.7	05/07/22 12:58	
Cobalt	ug/L	0.96 U	10.0	0.96	05/07/22 12:58	
Copper	ug/L	2.6 U	5.0	2.6	05/07/22 12:58	
Iron	ug/L	25.0 U	40.0	25.0	05/07/22 12:58	
Lead	ug/L	4.6 U	10.0	4.6	05/07/22 12:58	
Nickel	ug/L	2.1 U	5.0	2.1	05/07/22 12:58	
Selenium	ug/L	3.9 U	15.0	3.9	05/07/22 12:58	
Silver	ug/L	1.0 U	5.0	1.0	05/07/22 12:58	
Sodium	mg/L	0.54 U	2.0	0.54	05/07/22 12:58	
Vanadium	ug/L	1.0 U	10.0	1.0	05/07/22 12:58	
Zinc	ug/L	11.0 U	20.0	11.0	05/07/22 12:58	

LABORATORY CONTROL SAMPLE: 4514253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	252	101	80-120	
Barium	ug/L	250	266	107	80-120	
Beryllium	ug/L	25	25.4	102	80-120	
Cadmium	ug/L	25	26.0	104	80-120	
Chromium	ug/L	250	263	105	80-120	
Cobalt	ug/L	250	260	104	80-120	
Copper	ug/L	250	261	104	80-120	
Iron	ug/L	2500	2630	105	80-120	
Lead	ug/L	250	263	105	80-120	
Nickel	ug/L	250	264	106	80-120	
Selenium	ug/L	250	264	106	80-120	
Silver	ug/L	25	26.2	105	80-120	
Sodium	mg/L	12.5	13.1	104	80-120	
Vanadium	ug/L	250	262	105	80-120	
Zinc	ug/L	1250	1290	103	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514254 4514255											
Parameter	Units	35713755001		MS	MSD	MS	MSD	MS	MSD	% Rec	Max
		Result	Conc.	Spike	Spike						
						Result	Result	% Rec	% Rec	Limits	RPD
Arsenic	ug/L	6.5 I	250	250	250	261	258	102	101	75-125	1
Barium	ug/L	7.6 I	250	250	250	272	272	106	106	75-125	0
Beryllium	ug/L	0.17 U	25	25	25	25.6	25.6	102	103	75-125	0
Cadmium	ug/L	0.33 U	25	25	25	25.7	25.8	102	102	75-125	1
Chromium	ug/L	1.7 U	250	250	250	266	266	106	106	75-125	0
Cobalt	ug/L	1.0 I	250	250	250	265	264	105	105	75-125	0
Copper	ug/L	2.6 U	250	250	250	272	273	109	109	75-125	0
Iron	ug/L	1780	2500	2500	2500	4410	4390	105	104	75-125	1
Lead	ug/L	4.6 U	250	250	250	259	260	103	104	75-125	0
Nickel	ug/L	2.7 I	250	250	250	265	264	105	105	75-125	0
Selenium	ug/L	3.9 U	250	250	250	262	262	105	105	75-125	0
Silver	ug/L	1.0 U	25	25	25	26.7	26.6	107	106	75-125	0
Sodium	mg/L	26.6	12.5	12.5	12.5	39.9	39.6	107	104	75-125	1
Vanadium	ug/L	11.8	250	250	250	278	278	106	106	75-125	0
Zinc	ug/L	11.0 U	1250	1250	1250	1270	1260	101	101	75-125	0

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

QC Batch: 821915

Analysis Method: EPA 6020

QC Batch Method: EPA 3010

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714430001, 35714430002

METHOD BLANK: 4514248

Matrix: Water

Associated Lab Samples: 35714430001, 35714430002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	05/09/22 19:37	
Thallium	ug/L	0.11 U	1.0	0.11	05/09/22 19:37	

LABORATORY CONTROL SAMPLE: 4514249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	56.6	113	80-120	
Thallium	ug/L	50	54.9	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514250 4514251

Parameter	Units	35713755002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	52.5	51.6	105	103	75-125	2	20	
Thallium	ug/L	0.11 U	50	50	46.2	45.2	92	90	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

QC Batch: 821490

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714430001, 35714430002

METHOD BLANK: 4511889

Matrix: Water

Associated Lab Samples: 35714430001, 35714430002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/04/22 20:48	J(v2)
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/04/22 20:48	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/04/22 20:48	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/04/22 20:48	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/04/22 20:48	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/04/22 20:48	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/04/22 20:48	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/04/22 20:48	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/04/22 20:48	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/04/22 20:48	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/04/22 20:48	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/04/22 20:48	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/04/22 20:48	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/04/22 20:48	
Acetone	ug/L	9.4 U	25.0	9.4	05/04/22 20:48	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/04/22 20:48	
Benzene	ug/L	0.30 U	1.0	0.30	05/04/22 20:48	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/04/22 20:48	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/04/22 20:48	
Bromoform	ug/L	2.8 U	3.0	2.8	05/04/22 20:48	J(v2)
Bromomethane	ug/L	3.9 U	10.0	3.9	05/04/22 20:48	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/04/22 20:48	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/04/22 20:48	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/04/22 20:48	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/04/22 20:48	
Chloroform	ug/L	0.56 U	1.0	0.56	05/04/22 20:48	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/04/22 20:48	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/04/22 20:48	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/04/22 20:48	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/04/22 20:48	J(v2)
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/04/22 20:48	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/04/22 20:48	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/04/22 20:48	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/04/22 20:48	
Styrene	ug/L	0.65 U	1.0	0.65	05/04/22 20:48	J(v2)
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/04/22 20:48	
Toluene	ug/L	0.71 U	1.0	0.71	05/04/22 20:48	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/04/22 20:48	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/04/22 20:48	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/04/22 20:48	J(v2)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

METHOD BLANK: 4511889

Matrix: Water

Associated Lab Samples: 35714430001, 35714430002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/04/22 20:48	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/04/22 20:48	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/04/22 20:48	J(v2)
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/04/22 20:48	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/04/22 20:48	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		05/04/22 20:48	
4-Bromofluorobenzene (S)	%	94	70-130		05/04/22 20:48	
Toluene-d8 (S)	%	108	70-130		05/04/22 20:48	

LABORATORY CONTROL SAMPLE: 4511890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	15.8	79	70-130	J(v3)
1,1,1-Trichloroethane	ug/L	20	18.5	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.4	102	68-125	
1,1,2-Trichloroethane	ug/L	20	18.0	90	70-130	
1,1-Dichloroethane	ug/L	20	19.7	98	70-130	
1,1-Dichloroethene	ug/L	20	18.4	92	66-133	
1,2,3-Trichloropropane	ug/L	20	21.9	110	62-127	
1,2-Dichlorobenzene	ug/L	20	22.1	111	70-130	
1,2-Dichloroethane	ug/L	20	21.9	110	70-130	
1,2-Dichloropropane	ug/L	20	20.9	105	70-130	
1,4-Dichlorobenzene	ug/L	20	21.9	109	70-130	
2-Butanone (MEK)	ug/L	100	88.5	89	47-143	
2-Hexanone	ug/L	100	100	100	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.6	97	57-132	
Acetone	ug/L	100	103	103	46-148	
Acrylonitrile	ug/L	100	96.1	96	60-143	
Benzene	ug/L	20	19.3	96	70-130	
Bromochloromethane	ug/L	20	18.5	93	70-130	
Bromodichloromethane	ug/L	20	18.1	90	70-130	
Bromoform	ug/L	20	13.1	66	49-126	J(v3)
Bromomethane	ug/L	20	17.6	88	10-165	
Carbon disulfide	ug/L	20	16.7	84	60-141	
Carbon tetrachloride	ug/L	20	16.5	83	63-126	
Chlorobenzene	ug/L	20	18.6	93	70-130	
Chloroethane	ug/L	20	17.8	89	71-142	
Chloroform	ug/L	20	18.1	90	70-130	
Chloromethane	ug/L	20	19.3	96	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.0	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	70-130	
Dibromochloromethane	ug/L	20	15.6	78	62-118	J(v3)
Dibromomethane	ug/L	20	20.8	104	70-130	
Ethylbenzene	ug/L	20	19.0	95	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

LABORATORY CONTROL SAMPLE: 4511890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	14.0	70	10-164	J(v3)
Methylene Chloride	ug/L	20	19.9	99	65-136	
Styrene	ug/L	20	16.0	80	70-130	J(v3)
Tetrachloroethene	ug/L	20	18.9	94	64-134	
Toluene	ug/L	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.1	86	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.3	87	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	12.1	61	42-129	J(v3)
Trichloroethene	ug/L	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	20	20.8	104	65-135	
Vinyl acetate	ug/L	20	15.7	78	60-144	J(v3)
Vinyl chloride	ug/L	20	18.2	91	68-131	
Xylene (Total)	ug/L	60	59.4	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			92	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 4511892

Parameter	Units	35714430002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	14.7	73	70-130	J(v3)
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.3	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.0	90	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.0	85	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.0	105	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	20.1	101	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.5	92	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.8	94	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	22.4	112	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.6	92	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	77.5	78	47-143	
2-Hexanone	ug/L	10.0 U	100	86.6	87	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	85.3	85	57-132	
Acetone	ug/L	9.4 U	100	97.1	97	46-148	
Acrylonitrile	ug/L	11.0 U	100	97.0	97	60-143	
Benzene	ug/L	0.30 U	20	20.5	102	70-130	
Bromochloromethane	ug/L	0.37 U	20	18.8	94	70-130	
Bromodichloromethane	ug/L	0.44 U	20	17.7	89	70-130	
Bromoform	ug/L	2.8 U	20	11.4	57	49-126	J(v3)
Bromomethane	ug/L	3.9 U	20	11.7	59	10-165	
Carbon disulfide	ug/L	1.8 U	20	18.8	94	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	17.4	87	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.2	91	70-130	
Chloroethane	ug/L	3.7 U	20	17.8	89	71-142	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

MATRIX SPIKE SAMPLE: 4511892

Parameter	Units	35714430002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	19.2	96	70-130	
Chloromethane	ug/L	0.92 U	20	20.0	100	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	19.9	99	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	16.5	83	70-130	
Dibromochloromethane	ug/L	0.97 U	20	14.3	72	62-118 J(v3)	
Dibromomethane	ug/L	0.34 U	20	18.0	90	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.7	94	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	33	10-164 J(v3)	
Methylene Chloride	ug/L	4.4 U	20	20.6	103	65-136	
Styrene	ug/L	0.65 U	20	14.9	74	70-130 J(v3)	
Tetrachloroethene	ug/L	0.38 U	20	18.2	91	64-134	
Toluene	ug/L	0.71 U	20	18.9	94	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.2	91	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	15.2	76	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	9.6 I	48	42-129 J(v3)	
Trichloroethene	ug/L	0.36 U	20	18.1	90	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	22.2	111	65-135	
Vinyl acetate	ug/L	1.8 U	20	14.1	71	60-144 J(v3)	
Vinyl chloride	ug/L	0.88 U	20	19.2	96	68-131	
Xylene (Total)	ug/L	2.1 U	60	57.3	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				90	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 4511891

Parameter	Units	35714430001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	J(v2)
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

SAMPLE DUPLICATE: 4511891

Parameter	Units	35714430001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	J(v2)
Bromomethane	ug/L	3.9 U	3.9 U		40	
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	J(v2)
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	J(v2)
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	J(v2)
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	100	102		40	
4-Bromofluorobenzene (S)	%	87	92		40	
Toluene-d8 (S)	%	108	103		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

QC Batch:	821299	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714430001, 35714430002

METHOD BLANK: 4510254 Matrix: Water

Associated Lab Samples: 35714430001, 35714430002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/05/22 01:36	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/05/22 01:36	

LABORATORY CONTROL SAMPLE: 4510255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.20	82	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.21	85	60-140	

MATRIX SPIKE SAMPLE: 4510256

Parameter	Units	35714234003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.25	0.19	74	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	0.25	0.19	74	60-140	

SAMPLE DUPLICATE: 4510257

Parameter	Units	35714234007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.0065 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.0076 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

QC Batch: 821592

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Diss. Solids Tampa

Laboratory: Pace Analytical Services - Tampa

Associated Lab Samples: 35714430001, 35714430002

METHOD BLANK: 4512245

Matrix: Water

Associated Lab Samples: 35714430001, 35714430002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/05/22 16:36	

LABORATORY CONTROL SAMPLE: 4512246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	291	97	90-110	

SAMPLE DUPLICATE: 4512247

Parameter	Units	35714389001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	192	196	2	10	

SAMPLE DUPLICATE: 4512248

Parameter	Units	35714391005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	530	538	1	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

QC Batch: 822647

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714430001, 35714430002

METHOD BLANK: 4519102

Matrix: Water

Associated Lab Samples: 35714430001, 35714430002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	05/11/22 04:33	

LABORATORY CONTROL SAMPLE: 4519103

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.1	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4524633 4524634

Parameter	Units	35714430001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.8	50	50	53.0	53.6	94	96	90-110	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714430

QC Batch: 823904

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714430001, 35714430002

METHOD BLANK: 4526833

Matrix: Water

Associated Lab Samples: 35714430001, 35714430002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/13/22 15:16	

LABORATORY CONTROL SAMPLE: 4526834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	110	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4526836 4526835

Parameter	Units	35717181001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.23	1	1	1.3	1.3	106	106	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4526837 4526838

Parameter	Units	35714430001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.0	1.0	105	104	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35714430

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
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.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill

Pace Project No.: 35714430

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35714430001	AD24868 4MW2	EPA 8011	821299	EPA 8011	821470
35714430002	AD24869 4MW4	EPA 8011	821299	EPA 8011	821470
35714430001	AD24868 4MW2	EPA 3010	821916	EPA 6010	822047
35714430002	AD24869 4MW4	EPA 3010	821916	EPA 6010	822047
35714430001	AD24868 4MW2	EPA 3010	821915	EPA 6020	822045
35714430002	AD24869 4MW4	EPA 3010	821915	EPA 6020	822045
35714430001	AD24868 4MW2	EPA 7470	822428	EPA 7470	822471
35714430002	AD24869 4MW4	EPA 7470	822428	EPA 7470	822471
35714430001	AD24868 4MW2	EPA 8260	821490		
35714430002	AD24869 4MW4	EPA 8260	821490		
35714430001	AD24868 4MW2	SM 2540C	821592		
35714430002	AD24869 4MW4	SM 2540C	821592		
35714430001	AD24868 4MW2	EPA 300.0	822647		
35714430002	AD24869 4MW4	EPA 300.0	822647		
35714430001	AD24868 4MW2	EPA 350.1	823904		
35714430002	AD24869 4MW4	EPA 350.1	823904		

REPORT OF LABORATORY ANALYSIS

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Sample Condition

CUR)

Pace

Project #
Project Manager:
Client:

WO#: 35714430

PM: CLG

Due Date: 05/17/22

CLIENT: PASCOU

Date and Initials of person: DH

Examining contents:

Label: 5.3.22

Deliver: 5.3.22

pH:

Thermometer Used: T202

Date: 5/3/22

Time: 1500

Initials: ac

State of Origin: FL

☐ For WV projects, all containers verified to $\pm 6^\circ\text{C}$

Cooler #1 Temp. $^\circ\text{C}$ 2.1 (Visual) +0.2 (Correction Factor) 2.3 (Actual)

Cooler #2 Temp. $^\circ\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. $^\circ\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^\circ\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^\circ\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^\circ\text{C}$ (Visual) (Correction Factor) (Actual)

Recheck for OOT $^\circ\text{C}$ (Visual) (Correction Factor) (Actual) Time: Initials:

☒ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No

Seals intact: ☐ Yes ☐ No

Ice: ☒ Wet ☐ Blue ☐ Melted ☐ None

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other

Samples shorted to lab (If Yes, complete)

Shorted Date:

Shorted Time:

Qty:

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	Preservation Information: Preservative: Lot #/Trace #: Date: Time: Initials:
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	

Comments/ Resolution (use back for additional comments): 8011 Trip Blanks

May 16, 2022

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Landfill
Pace Project No.: 35714742

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on May 04, 2022. 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.

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

- Pace Analytical Services - Ormond Beach
- Pace Analytical Services - Tampa

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

Sincerely,



Chelsea Gagne
chelsea.gagne@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Carissa Dennison, Pasco County Utilities Environmental
Laboratory



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Tampa

110 South Bayview Blvd., Tampa, FL 34677

Florida Certification #:E84129

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35714742001	AD 24924 2MW17S	Water	05/03/22 08:45	05/04/22 14:30
35714742002	AD 24925 2MW18D	Water	05/03/22 09:33	05/04/22 14:30
35714742003	AD 24926 2MW19D	Water	05/03/22 10:30	05/04/22 14:30
35714742004	AD 24927 4MW14	Water	05/03/22 16:04	05/04/22 14:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35714742001	AD 24924 2MW17S	EPA 8011	LJM	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35714742002	AD 24925 2MW18D	EPA 8011	LJM	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35714742003	AD 24926 2MW19D	EPA 8011	LJM	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35714742004	AD 24927 4MW14	EPA 8011	LJM	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

PASI-Tp = Pace Analytical Services - Tampa

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24924 2MW17S **Lab ID:** 35714742001 **Collected:** 05/03/22 08:45 **Received:** 05/04/22 14:30 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 33.5 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0067 U	ug/L	0.021	0.0067	1	05/09/22 11:48	05/10/22 10:53	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	05/09/22 11:48	05/10/22 10:53	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	4.1 I	ug/L	10.0	3.4	1	05/06/22 08:30	05/07/22 13:43	7440-38-2	
Barium	13.2	ug/L	10.0	0.84	1	05/06/22 08:30	05/07/22 13:43	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/06/22 08:30	05/07/22 13:43	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/06/22 08:30	05/07/22 13:43	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/06/22 08:30	05/07/22 13:43	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/06/22 08:30	05/07/22 13:43	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/06/22 08:30	05/07/22 13:43	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/06/22 08:30	05/07/22 13:43	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/06/22 08:30	05/07/22 13:43	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/06/22 08:30	05/07/22 13:43	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/06/22 08:30	05/07/22 13:43	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/06/22 08:30	05/07/22 13:43	7440-22-4	
Sodium	2.5	mg/L	2.0	0.54	1	05/06/22 08:30	05/07/22 13:43	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	05/06/22 08:30	05/07/22 13:43	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/06/22 08:30	05/07/22 13:43	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/06/22 08:30	05/09/22 20:08	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/06/22 08:30	05/10/22 13:16	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.10 I	ug/L	0.20	0.090	1	05/10/22 10:59	05/13/22 09:14	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/05/22 04:40	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/05/22 04:40	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 04:40	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/05/22 04:40	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/05/22 04:40	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/05/22 04:40	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/05/22 04:40	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24924 2MW17S **Lab ID:** 35714742001 **Collected:** 05/03/22 08:45 **Received:** 05/04/22 14:30 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/05/22 04:40	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/05/22 04:40	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/05/22 04:40	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/05/22 04:40	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/05/22 04:40	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/05/22 04:40	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/05/22 04:40	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/05/22 04:40	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/05/22 04:40	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/05/22 04:40	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/05/22 04:40	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/05/22 04:40	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/05/22 04:40	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/05/22 04:40	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/05/22 04:40	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/05/22 04:40	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/05/22 04:40	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/05/22 04:40	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/05/22 04:40	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/05/22 04:40	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 04:40	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/05/22 04:40	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/05/22 04:40	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/05/22 04:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/05/22 04:40	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/05/22 04:40	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/05/22 04:40	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/05/22 04:40	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/05/22 04:40	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/05/22 04:40	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 04:40	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 04:40	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/05/22 04:40	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/05/22 04:40	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/05/22 04:40	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/05/22 04:40	108-05-4	
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/05/22 04:40	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/05/22 04:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/05/22 04:40	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		05/05/22 04:40	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/05/22 04:40	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24924 2MW17S Lab ID: 35714742001 Collected: 05/03/22 08:45 Received: 05/04/22 14:30 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	144	mg/L	5.0	5.0	1		05/05/22 16:36		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	3.7 I	mg/L	5.0	2.5	1		05/11/22 06:47	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/13/22 16:59	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24925 2MW18D **Lab ID:** 35714742002 **Collected:** 05/03/22 09:33 **Received:** 05/04/22 14:30 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.06 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/09/22 11:48	05/10/22 11:24	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	05/09/22 11:48	05/10/22 11:24	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/06/22 08:30	05/07/22 13:46	7440-38-2	
Barium	9.3 I	ug/L	10.0	0.84	1	05/06/22 08:30	05/07/22 13:46	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/06/22 08:30	05/07/22 13:46	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/06/22 08:30	05/07/22 13:46	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/06/22 08:30	05/07/22 13:46	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/06/22 08:30	05/07/22 13:46	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/06/22 08:30	05/07/22 13:46	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/06/22 08:30	05/07/22 13:46	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/06/22 08:30	05/07/22 13:46	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/06/22 08:30	05/07/22 13:46	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/06/22 08:30	05/07/22 13:46	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/06/22 08:30	05/07/22 13:46	7440-22-4	
Sodium	9.6	mg/L	2.0	0.54	1	05/06/22 08:30	05/07/22 13:46	7440-23-5	
Vanadium	2.8 I	ug/L	10.0	1.0	1	05/06/22 08:30	05/07/22 13:46	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/06/22 08:30	05/07/22 13:46	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/06/22 08:30	05/10/22 13:20	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/06/22 08:30	05/10/22 13:20	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.10 I	ug/L	0.20	0.090	1	05/10/22 10:59	05/13/22 09:16	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/05/22 05:03	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/05/22 05:03	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:03	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/05/22 05:03	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/05/22 05:03	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/05/22 05:03	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/05/22 05:03	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24925 2MW18D **Lab ID:** 35714742002 **Collected:** 05/03/22 09:33 **Received:** 05/04/22 14:30 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/05/22 05:03	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/05/22 05:03	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/05/22 05:03	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/05/22 05:03	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/05/22 05:03	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/05/22 05:03	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/05/22 05:03	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/05/22 05:03	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/05/22 05:03	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/05/22 05:03	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/05/22 05:03	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/05/22 05:03	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/05/22 05:03	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/05/22 05:03	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/05/22 05:03	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/05/22 05:03	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/05/22 05:03	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/05/22 05:03	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/05/22 05:03	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/05/22 05:03	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:03	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/05/22 05:03	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/05/22 05:03	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/05/22 05:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/05/22 05:03	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/05/22 05:03	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/05/22 05:03	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/05/22 05:03	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/05/22 05:03	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/05/22 05:03	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:03	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:03	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/05/22 05:03	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/05/22 05:03	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/05/22 05:03	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/05/22 05:03	108-05-4	
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/05/22 05:03	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/05/22 05:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/05/22 05:03	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		05/05/22 05:03	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/05/22 05:03	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24925 2MW18D Lab ID: 35714742002 Collected: 05/03/22 09:33 Received: 05/04/22 14:30 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	268	mg/L	5.0	5.0	1		05/05/22 16:36		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	22.9	mg/L	5.0	2.5	1		05/11/22 07:53	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/13/22 17:04	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24926 2MW19D **Lab ID:** 35714742003 **Collected:** 05/03/22 10:30 **Received:** 05/04/22 14:30 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.37 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	05/09/22 11:48	05/10/22 11:40	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	05/09/22 11:48	05/10/22 11:40	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/06/22 08:30	05/07/22 13:50	7440-38-2	
Barium	8.9 I	ug/L	10.0	0.84	1	05/06/22 08:30	05/07/22 13:50	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/06/22 08:30	05/07/22 13:50	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/06/22 08:30	05/07/22 13:50	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/06/22 08:30	05/07/22 13:50	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/06/22 08:30	05/07/22 13:50	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/06/22 08:30	05/07/22 13:50	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/06/22 08:30	05/07/22 13:50	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/06/22 08:30	05/07/22 13:50	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/06/22 08:30	05/07/22 13:50	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/06/22 08:30	05/07/22 13:50	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/06/22 08:30	05/07/22 13:50	7440-22-4	
Sodium	6.6	mg/L	2.0	0.54	1	05/06/22 08:30	05/07/22 13:50	7440-23-5	
Vanadium	2.2 I	ug/L	10.0	1.0	1	05/06/22 08:30	05/07/22 13:50	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/06/22 08:30	05/07/22 13:50	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/06/22 08:30	05/10/22 13:22	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/06/22 08:30	05/10/22 13:22	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.11 I	ug/L	0.20	0.090	1	05/10/22 10:59	05/13/22 09:23	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/05/22 05:26	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/05/22 05:26	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:26	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/05/22 05:26	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/05/22 05:26	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/05/22 05:26	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/05/22 05:26	74-83-9	J(v2)

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24926 2MW19D **Lab ID:** 35714742003 **Collected:** 05/03/22 10:30 **Received:** 05/04/22 14:30 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/05/22 05:26	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/05/22 05:26	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/05/22 05:26	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/05/22 05:26	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/05/22 05:26	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/05/22 05:26	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/05/22 05:26	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/05/22 05:26	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/05/22 05:26	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/05/22 05:26	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/05/22 05:26	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/05/22 05:26	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/05/22 05:26	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/05/22 05:26	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/05/22 05:26	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/05/22 05:26	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/05/22 05:26	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/05/22 05:26	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/05/22 05:26	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/05/22 05:26	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:26	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/05/22 05:26	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/05/22 05:26	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/05/22 05:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/05/22 05:26	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/05/22 05:26	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/05/22 05:26	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/05/22 05:26	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/05/22 05:26	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/05/22 05:26	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:26	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:26	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/05/22 05:26	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/05/22 05:26	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/05/22 05:26	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/05/22 05:26	108-05-4	
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/05/22 05:26	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/05/22 05:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/05/22 05:26	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		05/05/22 05:26	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/05/22 05:26	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24926 2MW19D Lab ID: 35714742003 Collected: 05/03/22 10:30 Received: 05/04/22 14:30 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	232	mg/L	5.0	5.0	1		05/05/22 16:36		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	15.9	mg/L	5.0	2.5	1		05/11/22 08:15	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/13/22 17:09	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24927 4MW14 **Lab ID:** 35714742004 Collected: 05/03/22 16:04 Received: 05/04/22 14:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.15 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.020	0.0066	1	05/09/22 11:48	05/10/22 11:55	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	05/09/22 11:48	05/10/22 11:55	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/06/22 08:30	05/07/22 13:54	7440-38-2	
Barium	29.5	ug/L	10.0	0.84	1	05/06/22 08:30	05/07/22 13:54	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/06/22 08:30	05/07/22 13:54	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/06/22 08:30	05/07/22 13:54	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/06/22 08:30	05/07/22 13:54	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/06/22 08:30	05/07/22 13:54	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/06/22 08:30	05/07/22 13:54	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/06/22 08:30	05/07/22 13:54	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/06/22 08:30	05/07/22 13:54	7439-92-1	
Nickel	4.6 I	ug/L	5.0	2.1	1	05/06/22 08:30	05/07/22 13:54	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/06/22 08:30	05/07/22 13:54	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/06/22 08:30	05/07/22 13:54	7440-22-4	
Sodium	52.8	mg/L	2.0	0.54	1	05/06/22 08:30	05/07/22 13:54	7440-23-5	
Vanadium	2.4 I	ug/L	10.0	1.0	1	05/06/22 08:30	05/07/22 13:54	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/06/22 08:30	05/07/22 13:54	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/06/22 08:30	05/10/22 13:23	7440-36-0	
Thallium	0.16 I	ug/L	1.0	0.11	1	05/06/22 08:30	05/10/22 13:23	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/11/22 10:50	05/12/22 09:19	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/05/22 05:49	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/05/22 05:49	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:49	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/05/22 05:49	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/05/22 05:49	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/05/22 05:49	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/05/22 05:49	74-83-9	J(v2)

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24927 4MW14 **Lab ID: 35714742004** Collected: 05/03/22 16:04 Received: 05/04/22 14:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/05/22 05:49	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/05/22 05:49	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/05/22 05:49	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/05/22 05:49	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/05/22 05:49	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/05/22 05:49	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/05/22 05:49	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/05/22 05:49	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/05/22 05:49	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/05/22 05:49	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/05/22 05:49	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/05/22 05:49	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/05/22 05:49	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/05/22 05:49	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/05/22 05:49	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/05/22 05:49	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/05/22 05:49	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/05/22 05:49	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/05/22 05:49	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/05/22 05:49	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:49	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/05/22 05:49	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/05/22 05:49	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/05/22 05:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/05/22 05:49	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/05/22 05:49	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/05/22 05:49	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/05/22 05:49	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/05/22 05:49	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/05/22 05:49	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:49	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/05/22 05:49	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/05/22 05:49	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/05/22 05:49	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/05/22 05:49	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/05/22 05:49	108-05-4	
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/05/22 05:49	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/05/22 05:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/05/22 05:49	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		05/05/22 05:49	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		05/05/22 05:49	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Sample: AD 24927 4MW14 Lab ID: 35714742004 Collected: 05/03/22 16:04 Received: 05/04/22 14:30 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	402	mg/L	5.0	5.0	1		05/05/22 16:36		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	88.0	mg/L	5.0	2.5	1		05/11/22 08:37	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/13/22 17:11	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

QC Batch: 822649

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714742001, 35714742002, 35714742003

METHOD BLANK: 4519118

Matrix: Water

Associated Lab Samples: 35714742001, 35714742002, 35714742003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/13/22 09:09	

LABORATORY CONTROL SAMPLE: 4519119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.2	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4519120 4519121

Parameter	Units	35715089002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.11 I	2	2	2.0	1.9	92	88	75-125	5	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

QC Batch: 822990

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714742004

METHOD BLANK: 4521212

Matrix: Water

Associated Lab Samples: 35714742004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/12/22 09:07	

LABORATORY CONTROL SAMPLE: 4521213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4521214 4521215

Parameter	Units	35716198006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.1	2.1	105	104	75-125	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

QC Batch: 821916

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

METHOD BLANK: 4514252

Matrix: Water

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	05/07/22 12:58	
Barium	ug/L	0.84 U	10.0	0.84	05/07/22 12:58	
Beryllium	ug/L	0.17 U	4.0	0.17	05/07/22 12:58	
Cadmium	ug/L	0.33 U	1.0	0.33	05/07/22 12:58	
Chromium	ug/L	1.7 U	5.0	1.7	05/07/22 12:58	
Cobalt	ug/L	0.96 U	10.0	0.96	05/07/22 12:58	
Copper	ug/L	2.6 U	5.0	2.6	05/07/22 12:58	
Iron	ug/L	25.0 U	40.0	25.0	05/07/22 12:58	
Lead	ug/L	4.6 U	10.0	4.6	05/07/22 12:58	
Nickel	ug/L	2.1 U	5.0	2.1	05/07/22 12:58	
Selenium	ug/L	3.9 U	15.0	3.9	05/07/22 12:58	
Silver	ug/L	1.0 U	5.0	1.0	05/07/22 12:58	
Sodium	mg/L	0.54 U	2.0	0.54	05/07/22 12:58	
Vanadium	ug/L	1.0 U	10.0	1.0	05/07/22 12:58	
Zinc	ug/L	11.0 U	20.0	11.0	05/07/22 12:58	

LABORATORY CONTROL SAMPLE: 4514253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	252	101	80-120	
Barium	ug/L	250	266	107	80-120	
Beryllium	ug/L	25	25.4	102	80-120	
Cadmium	ug/L	25	26.0	104	80-120	
Chromium	ug/L	250	263	105	80-120	
Cobalt	ug/L	250	260	104	80-120	
Copper	ug/L	250	261	104	80-120	
Iron	ug/L	2500	2630	105	80-120	
Lead	ug/L	250	263	105	80-120	
Nickel	ug/L	250	264	106	80-120	
Selenium	ug/L	250	264	106	80-120	
Silver	ug/L	25	26.2	105	80-120	
Sodium	mg/L	12.5	13.1	104	80-120	
Vanadium	ug/L	250	262	105	80-120	
Zinc	ug/L	1250	1290	103	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514254 4514255											
Parameter	Units	35713755001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
		Result	Spike Conc.	Spike Conc.							
Arsenic	ug/L	6.5 I	250	250	261	258	102	101	75-125	1	20
Barium	ug/L	7.6 I	250	250	272	272	106	106	75-125	0	20
Beryllium	ug/L	0.17 U	25	25	25.6	25.6	102	103	75-125	0	20
Cadmium	ug/L	0.33 U	25	25	25.7	25.8	102	102	75-125	1	20
Chromium	ug/L	1.7 U	250	250	266	266	106	106	75-125	0	20
Cobalt	ug/L	1.0 I	250	250	265	264	105	105	75-125	0	20
Copper	ug/L	2.6 U	250	250	272	273	109	109	75-125	0	20
Iron	ug/L	1780	2500	2500	4410	4390	105	104	75-125	1	20
Lead	ug/L	4.6 U	250	250	259	260	103	104	75-125	0	20
Nickel	ug/L	2.7 I	250	250	265	264	105	105	75-125	0	20
Selenium	ug/L	3.9 U	250	250	262	262	105	105	75-125	0	20
Silver	ug/L	1.0 U	25	25	26.7	26.6	107	106	75-125	0	20
Sodium	mg/L	26.6	12.5	12.5	39.9	39.6	107	104	75-125	1	20
Vanadium	ug/L	11.8	250	250	278	278	106	106	75-125	0	20
Zinc	ug/L	11.0 U	1250	1250	1270	1260	101	101	75-125	0	20

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

QC Batch: 821915

Analysis Method: EPA 6020

QC Batch Method: EPA 3010

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

METHOD BLANK: 4514248

Matrix: Water

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	05/09/22 19:37	
Thallium	ug/L	0.11 U	1.0	0.11	05/09/22 19:37	

LABORATORY CONTROL SAMPLE: 4514249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	56.6	113	80-120	
Thallium	ug/L	50	54.9	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514250 4514251

Parameter	Units	35713755002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	52.5	51.6	105	103	75-125	2	20	
Thallium	ug/L	0.11 U	50	50	46.2	45.2	92	90	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

QC Batch: 821500

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

METHOD BLANK: 4511922

Matrix: Water

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/04/22 22:57	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/04/22 22:57	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/04/22 22:57	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/04/22 22:57	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/04/22 22:57	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/04/22 22:57	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/04/22 22:57	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/04/22 22:57	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/04/22 22:57	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/04/22 22:57	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/04/22 22:57	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/04/22 22:57	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/04/22 22:57	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/04/22 22:57	
Acetone	ug/L	9.4 U	25.0	9.4	05/04/22 22:57	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/04/22 22:57	
Benzene	ug/L	0.30 U	1.0	0.30	05/04/22 22:57	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/04/22 22:57	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/04/22 22:57	
Bromoform	ug/L	2.8 U	3.0	2.8	05/04/22 22:57	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/04/22 22:57	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/04/22 22:57	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/04/22 22:57	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/04/22 22:57	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/04/22 22:57	
Chloroform	ug/L	0.56 U	1.0	0.56	05/04/22 22:57	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/04/22 22:57	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/04/22 22:57	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/04/22 22:57	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/04/22 22:57	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/04/22 22:57	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/04/22 22:57	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/04/22 22:57	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/04/22 22:57	
Styrene	ug/L	0.65 U	1.0	0.65	05/04/22 22:57	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/04/22 22:57	
Toluene	ug/L	0.71 U	1.0	0.71	05/04/22 22:57	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/04/22 22:57	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/04/22 22:57	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/04/22 22:57	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

METHOD BLANK: 4511922

Matrix: Water

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/04/22 22:57	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/04/22 22:57	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/04/22 22:57	
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/04/22 22:57	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/04/22 22:57	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		05/04/22 22:57	
4-Bromofluorobenzene (S)	%	99	70-130		05/04/22 22:57	
Toluene-d8 (S)	%	98	70-130		05/04/22 22:57	

LABORATORY CONTROL SAMPLE: 4511923

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.5	93	70-130	
1,1,1-Trichloroethane	ug/L	20	18.4	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.5	97	68-125	
1,1,2-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethane	ug/L	20	18.7	94	70-130	
1,1-Dichloroethene	ug/L	20	18.6	93	66-133	
1,2,3-Trichloropropane	ug/L	20	20.3	102	62-127	
1,2-Dichlorobenzene	ug/L	20	18.8	94	70-130	
1,2-Dichloroethane	ug/L	20	19.2	96	70-130	
1,2-Dichloropropane	ug/L	20	18.8	94	70-130	
1,4-Dichlorobenzene	ug/L	20	19.3	97	70-130	
2-Butanone (MEK)	ug/L	100	80.6	81	47-143	
2-Hexanone	ug/L	100	89.9	90	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	89.1	89	57-132	
Acetone	ug/L	100	84.3	84	46-148	
Acrylonitrile	ug/L	100	95.1	95	60-143	
Benzene	ug/L	20	18.9	94	70-130	
Bromochloromethane	ug/L	20	19.9	100	70-130	
Bromodichloromethane	ug/L	20	18.9	94	70-130	
Bromoform	ug/L	20	18.0	90	49-126	
Bromomethane	ug/L	20	5.2 I	26	10-165 J(v3)	
Carbon disulfide	ug/L	20	17.8	89	60-141	
Carbon tetrachloride	ug/L	20	17.5	87	63-126	
Chlorobenzene	ug/L	20	18.8	94	70-130	
Chloroethane	ug/L	20	16.5	83	71-142	
Chloroform	ug/L	20	17.9	89	70-130	
Chloromethane	ug/L	20	17.2	86	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.5	92	70-130	
Dibromochloromethane	ug/L	20	18.5	92	62-118	
Dibromomethane	ug/L	20	19.4	97	70-130	
Ethylbenzene	ug/L	20	18.8	94	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

LABORATORY CONTROL SAMPLE: 4511923

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	24	10-164	J(v3)
Methylene Chloride	ug/L	20	18.9	95	65-136	
Styrene	ug/L	20	16.4	82	70-130	
Tetrachloroethene	ug/L	20	19.3	97	64-134	
Toluene	ug/L	20	18.2	91	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.7	94	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.7	94	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	19.2	96	42-129	
Trichloroethene	ug/L	20	19.2	96	70-130	
Trichlorofluoromethane	ug/L	20	18.1	90	65-135	
Vinyl acetate	ug/L	20	19.3	96	60-144	
Vinyl chloride	ug/L	20	16.8	84	68-131	
Xylene (Total)	ug/L	60	55.4	92	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 4511925

Parameter	Units	35713528006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.2	101	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	22.1	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	21.4	107	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	20.3	102	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.8	109	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	21.2	106	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	21.7	109	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	19.5	98	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	21.2	106	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	21.0	105	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	19.3	96	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	79.8	80	47-143	
2-Hexanone	ug/L	10.0 U	100	90.7	91	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	91.1	91	57-132	
Acetone	ug/L	9.4 U	100	73.9	74	46-148	
Acrylonitrile	ug/L	11.0 U	100	93.7	94	60-143	
Benzene	ug/L	0.30 U	20	21.1	106	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.5	103	70-130	
Bromodichloromethane	ug/L	0.44 U	20	20.7	104	70-130	
Bromoform	ug/L	2.8 U	20	18.9	95	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	13	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	19.1	96	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	20.3	102	63-126	
Chlorobenzene	ug/L	0.35 U	20	20.1	100	70-130	
Chloroethane	ug/L	3.7 U	20	19.3	97	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

MATRIX SPIKE SAMPLE: 4511925		35713528006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	19.5	98	70-130	
Chloromethane	ug/L	0.92 U	20	17.5	88	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	21.6	108	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	19.9	99	70-130	
Dibromochloromethane	ug/L	0.97 U	20	20.5	102	62-118	
Dibromomethane	ug/L	0.34 U	20	20.3	102	70-130	
Ethylbenzene	ug/L	0.30 U	20	20.5	103	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	27	10-164 J(v3)	
Methylene Chloride	ug/L	4.4 U	20	19.8	99	65-136	
Styrene	ug/L	0.65 U	20	17.1	85	70-130	
Tetrachloroethene	ug/L	0.38 U	20	20.1	100	64-134	
Toluene	ug/L	0.71 U	20	20.1	101	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	21.5	108	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	20.2	101	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	19.8	99	42-129	
Trichloroethene	ug/L	0.36 U	20	21.1	106	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	20.1	101	65-135	
Vinyl acetate	ug/L	1.8 U	20	17.7	89	60-144	
Vinyl chloride	ug/L	0.88 U	20	19.9	100	68-131	
Xylene (Total)	ug/L	2.1 U	60	60.1	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 4511924

Parameter	Units	35713528005	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

SAMPLE DUPLICATE: 4511924

Parameter	Units	35713528005 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	99	100		40	
4-Bromofluorobenzene (S)	%	97	99		40	
Toluene-d8 (S)	%	98	97		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

QC Batch:	822353	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

METHOD BLANK: 4516604 Matrix: Water

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/10/22 09:54	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/10/22 09:54	

LABORATORY CONTROL SAMPLE: 4516605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.25	101	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	101	60-140	

MATRIX SPIKE SAMPLE: 4516606

Parameter	Units	35715403013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.26	0.29	112	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.26	0.29	115	60-140	

SAMPLE DUPLICATE: 4516607

Parameter	Units	35714742001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0067 U	0.0064 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0078 U	0.0075 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

QC Batch: 821593

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Diss. Solids Tampa

Laboratory: Pace Analytical Services - Tampa

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

METHOD BLANK: 4512249

Matrix: Water

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/05/22 16:36	

LABORATORY CONTROL SAMPLE: 4512250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	292	97	90-110	

SAMPLE DUPLICATE: 4512251

Parameter	Units	35714742001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	144	157	9	10	

SAMPLE DUPLICATE: 4512252

Parameter	Units	35714791007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1250	1260	1	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

QC Batch: 822879

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

METHOD BLANK: 4520343

Matrix: Water

Associated Lab Samples: 35714742001, 35714742002, 35714742003, 35714742004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	05/11/22 00:33	

LABORATORY CONTROL SAMPLE: 4520344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.8	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4525300 4525301

Parameter	Units	35714738002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	12.3	50	50	60.9	60.6	97	97	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4525302 4525303

Parameter	Units	35714742001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.7 I	50	50	48.8	48.9	90	90	90-110	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35714742

QC Batch:	823906	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714742001

METHOD BLANK: 4526840 Matrix: Water
Associated Lab Samples: 35714742001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/13/22 16:07	

LABORATORY CONTROL SAMPLE: 4526841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4526843 4526842

Parameter	Units	35715613002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.55	1	1	1.6	1.6	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4526844 4526845

Parameter	Units	35716446003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	6.6	1	1	7.6	7.6	94	94	90-110	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35714742

QC Batch: 823907

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35714742002, 35714742003, 35714742004

METHOD BLANK: 4526846

Matrix: Water

Associated Lab Samples: 35714742002, 35714742003, 35714742004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/13/22 17:01	

LABORATORY CONTROL SAMPLE: 4526847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4526849 4526848

Parameter	Units	35714742002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.0	1.0	103	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4526850 4526851

Parameter	Units	35714771002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.1	107	106	90-110	1	20	

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QUALIFIERS

Project: Resource Recovery Landfill

Pace Project No.: 35714742

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

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.

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

J(v2) The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

J(v3) The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill

Pace Project No.: 35714742

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35714742001	AD 24924 2MW17S	EPA 8011	822353	EPA 8011	822525
35714742002	AD 24925 2MW18D	EPA 8011	822353	EPA 8011	822525
35714742003	AD 24926 2MW19D	EPA 8011	822353	EPA 8011	822525
35714742004	AD 24927 4MW14	EPA 8011	822353	EPA 8011	822525
35714742001	AD 24924 2MW17S	EPA 3010	821916	EPA 6010	822047
35714742002	AD 24925 2MW18D	EPA 3010	821916	EPA 6010	822047
35714742003	AD 24926 2MW19D	EPA 3010	821916	EPA 6010	822047
35714742004	AD 24927 4MW14	EPA 3010	821916	EPA 6010	822047
35714742001	AD 24924 2MW17S	EPA 3010	821915	EPA 6020	822045
35714742002	AD 24925 2MW18D	EPA 3010	821915	EPA 6020	822045
35714742003	AD 24926 2MW19D	EPA 3010	821915	EPA 6020	822045
35714742004	AD 24927 4MW14	EPA 3010	821915	EPA 6020	822045
35714742001	AD 24924 2MW17S	EPA 7470	822649	EPA 7470	822721
35714742002	AD 24925 2MW18D	EPA 7470	822649	EPA 7470	822721
35714742003	AD 24926 2MW19D	EPA 7470	822649	EPA 7470	822721
35714742004	AD 24927 4MW14	EPA 7470	822990	EPA 7470	823109
35714742001	AD 24924 2MW17S	EPA 8260	821500		
35714742002	AD 24925 2MW18D	EPA 8260	821500		
35714742003	AD 24926 2MW19D	EPA 8260	821500		
35714742004	AD 24927 4MW14	EPA 8260	821500		
35714742001	AD 24924 2MW17S	SM 2540C	821593		
35714742002	AD 24925 2MW18D	SM 2540C	821593		
35714742003	AD 24926 2MW19D	SM 2540C	821593		
35714742004	AD 24927 4MW14	SM 2540C	821593		
35714742001	AD 24924 2MW17S	EPA 300.0	822879		
35714742002	AD 24925 2MW18D	EPA 300.0	822879		
35714742003	AD 24926 2MW19D	EPA 300.0	822879		
35714742004	AD 24927 4MW14	EPA 300.0	822879		
35714742001	AD 24924 2MW17S	EPA 350.1	823906		
35714742002	AD 24925 2MW18D	EPA 350.1	823907		
35714742003	AD 24926 2MW19D	EPA 350.1	823907		
35714742004	AD 24927 4MW14	EPA 350.1	823907		

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Pace

WO#: 35714742

(CUR)

Project #
Project Manager:
Client:

PM: CLG Due Date: 05/18/22
CLIENT: PASCOU

Date and Initials of person: Dlt
Examining contents:
Label: 5.4.22
Deliver:
pH:
↓

Thermometer Used: T202

Date: 5-4-22 Time: 1430 Initials: DS

State of Origin: FL

☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 11.3 (Visual) +0.2 (Correction Factor) 11.5 (Actual)

☒ Samples on ice, cooling process has begun

Cooler #2 Temp. °C (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

Cooler #3 Temp. °C (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

Cooler #4 Temp. °C (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

Cooler #5 Temp. °C (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

Cooler #6 Temp. °C (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

Recheck for OOT °C (Visual) (Correction Factor) (Actual) Time: Initials:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: ☒ Wet ☐ Blue ☐ Melted ☐ None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☒ None ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information: Preservative: Lot #/Trace #: Date: Time: Initials: Exceptions: Vials, Microbiology, O&G, PRAS
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☐ Yes ☒ No ☐ N/A	

Comments/ Resolution (use back for additional comments):

May 18, 2022

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Landfill
Pace Project No.: 35715519

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on May 06, 2022. 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.

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

- Pace Analytical Services - Ormond Beach

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

Sincerely,



Chelsea Gagne
chelsea.gagne@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Carissa Dennison, Pasco County Utilities Environmental
Laboratory



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35715519001	AD 24986 2MW-26D	Water	05/04/22 08:45	05/06/22 13:15
35715519002	AD 24987 2MW-25D	Water	05/04/22 09:32	05/06/22 13:15
35715519003	AD 24988 2MW-24D	Water	05/04/22 11:07	05/06/22 13:15
35715519004	AD 24992 4MW7	Water	05/04/22 15:23	05/06/22 13:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35715519001	AD 24986 2MW-26D	EPA 8011	TSW	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	JJB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35715519002	AD 24987 2MW-25D	EPA 8011	TSW	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	JJB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35715519003	AD 24988 2MW-24D	EPA 8011	TSW	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	JJB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35715519004	AD 24992 4MW7	EPA 8011	TSW	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	JJB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24986 2MW-26D **Lab ID:** 35715519001 **Collected:** 05/04/22 08:45 **Received:** 05/06/22 13:15 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 33.81 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/11/22 12:44	05/12/22 08:21	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	05/11/22 12:44	05/12/22 08:21	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/11/22 08:32	05/14/22 16:05	7440-38-2	
Barium	17.0	ug/L	10.0	0.84	1	05/11/22 08:32	05/14/22 16:05	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/11/22 08:32	05/14/22 16:05	7440-41-7	
Cadmium	0.35 I	ug/L	1.0	0.33	1	05/11/22 08:32	05/14/22 16:05	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/11/22 08:32	05/14/22 16:05	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/11/22 08:32	05/14/22 16:05	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/11/22 08:32	05/14/22 16:05	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/11/22 08:32	05/14/22 16:05	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/11/22 08:32	05/14/22 16:05	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/11/22 08:32	05/14/22 16:05	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/11/22 08:32	05/14/22 16:05	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/11/22 08:32	05/14/22 16:05	7440-22-4	
Sodium	25.5	mg/L	2.0	0.54	1	05/11/22 08:32	05/14/22 16:05	7440-23-5	
Vanadium	2.2 I	ug/L	10.0	1.0	1	05/11/22 08:32	05/14/22 16:05	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/11/22 08:32	05/14/22 16:05	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/09/22 10:08	05/10/22 15:32	7440-36-0	
Thallium	0.13 I	ug/L	1.0	0.11	1	05/09/22 10:08	05/10/22 15:32	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.11 I	ug/L	0.20	0.090	1	05/10/22 10:59	05/13/22 10:43	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/10/22 02:46	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/10/22 02:46	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 02:46	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/10/22 02:46	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/10/22 02:46	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/10/22 02:46	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/10/22 02:46	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24986 2MW-26D **Lab ID:** 35715519001 **Collected:** 05/04/22 08:45 **Received:** 05/06/22 13:15 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/10/22 02:46	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/10/22 02:46	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/10/22 02:46	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/10/22 02:46	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/10/22 02:46	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/10/22 02:46	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/10/22 02:46	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/10/22 02:46	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/10/22 02:46	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/10/22 02:46	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/10/22 02:46	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/10/22 02:46	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/10/22 02:46	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/10/22 02:46	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/10/22 02:46	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/10/22 02:46	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/10/22 02:46	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/10/22 02:46	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/10/22 02:46	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/10/22 02:46	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 02:46	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/10/22 02:46	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/10/22 02:46	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/10/22 02:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/10/22 02:46	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/10/22 02:46	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/10/22 02:46	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/10/22 02:46	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/10/22 02:46	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/10/22 02:46	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 02:46	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 02:46	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/10/22 02:46	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/10/22 02:46	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/10/22 02:46	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/10/22 02:46	108-05-4	J(v1)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/10/22 02:46	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/10/22 02:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/10/22 02:46	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		05/10/22 02:46	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/10/22 02:46	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24986 2MW-26D Lab ID: 35715519001 Collected: 05/04/22 08:45 Received: 05/06/22 13:15 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	336	mg/L	5.0	5.0	1		05/10/22 09:35		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	54.1	mg/L	5.0	2.5	1		05/14/22 05:23	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/17/22 17:04	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24987 2MW-25D Lab ID: 35715519002 Collected: 05/04/22 09:32 Received: 05/06/22 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.71 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	05/11/22 12:44	05/12/22 08:36	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	05/11/22 12:44	05/12/22 08:36	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	4.9 I	ug/L	10.0	3.4	1	05/11/22 08:32	05/14/22 16:09	7440-38-2	
Barium	22.7	ug/L	10.0	0.84	1	05/11/22 08:32	05/14/22 16:09	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/11/22 08:32	05/14/22 16:09	7440-41-7	
Cadmium	0.42 I	ug/L	1.0	0.33	1	05/11/22 08:32	05/14/22 16:09	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/11/22 08:32	05/14/22 16:09	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/11/22 08:32	05/14/22 16:09	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/11/22 08:32	05/14/22 16:09	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/11/22 08:32	05/14/22 16:09	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/11/22 08:32	05/14/22 16:09	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/11/22 08:32	05/14/22 16:09	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/11/22 08:32	05/14/22 16:09	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/11/22 08:32	05/14/22 16:09	7440-22-4	
Sodium	31.5	mg/L	2.0	0.54	1	05/11/22 08:32	05/14/22 16:09	7440-23-5	
Vanadium	2.1 I	ug/L	10.0	1.0	1	05/11/22 08:32	05/14/22 16:09	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/11/22 08:32	05/14/22 16:09	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/09/22 10:08	05/10/22 15:33	7440-36-0	
Thallium	0.12 I	ug/L	1.0	0.11	1	05/09/22 10:08	05/10/22 15:33	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.11 I	ug/L	0.20	0.090	1	05/10/22 10:59	05/13/22 10:45	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/10/22 03:08	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/10/22 03:08	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:08	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/10/22 03:08	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/10/22 03:08	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/10/22 03:08	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/10/22 03:08	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24987 2MW-25D Lab ID: 35715519002 Collected: 05/04/22 09:32 Received: 05/06/22 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/10/22 03:08	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/10/22 03:08	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/10/22 03:08	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/10/22 03:08	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/10/22 03:08	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/10/22 03:08	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/10/22 03:08	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/10/22 03:08	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/10/22 03:08	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/10/22 03:08	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/10/22 03:08	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/10/22 03:08	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/10/22 03:08	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/10/22 03:08	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/10/22 03:08	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/10/22 03:08	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/10/22 03:08	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/10/22 03:08	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/10/22 03:08	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/10/22 03:08	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:08	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/10/22 03:08	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/10/22 03:08	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/10/22 03:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/10/22 03:08	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/10/22 03:08	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/10/22 03:08	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/10/22 03:08	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/10/22 03:08	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/10/22 03:08	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:08	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:08	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/10/22 03:08	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/10/22 03:08	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/10/22 03:08	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/10/22 03:08	108-05-4	J(v1)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/10/22 03:08	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/10/22 03:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		05/10/22 03:08	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		05/10/22 03:08	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/10/22 03:08	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24987 2MW-25D Lab ID: 35715519002 Collected: 05/04/22 09:32 Received: 05/06/22 13:15 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	379	mg/L	5.0	5.0	1		05/10/22 12:06		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL									
Pace Analytical Services - Ormond Beach									
Chloride	64.5	mg/L	5.0	2.5	1		05/14/22 06:28	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1									
Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL									
Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/17/22 17:12	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24988 2MW-24D **Lab ID:** 35715519003 **Collected:** 05/04/22 11:07 **Received:** 05/06/22 13:15 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.13 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/11/22 12:44	05/12/22 08:51	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	05/11/22 12:44	05/12/22 08:51	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/11/22 08:32	05/14/22 16:13	7440-38-2	
Barium	17.0	ug/L	10.0	0.84	1	05/11/22 08:32	05/14/22 16:13	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/11/22 08:32	05/14/22 16:13	7440-41-7	
Cadmium	0.37 I	ug/L	1.0	0.33	1	05/11/22 08:32	05/14/22 16:13	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/11/22 08:32	05/14/22 16:13	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/11/22 08:32	05/14/22 16:13	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/11/22 08:32	05/14/22 16:13	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/11/22 08:32	05/14/22 16:13	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/11/22 08:32	05/14/22 16:13	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/11/22 08:32	05/14/22 16:13	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/11/22 08:32	05/14/22 16:13	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/11/22 08:32	05/14/22 16:13	7440-22-4	
Sodium	19.4	mg/L	2.0	0.54	1	05/11/22 08:32	05/14/22 16:13	7440-23-5	
Vanadium	1.8 I	ug/L	10.0	1.0	1	05/11/22 08:32	05/14/22 16:13	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/11/22 08:32	05/14/22 16:13	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/09/22 10:08	05/10/22 15:34	7440-36-0	
Thallium	0.11 I	ug/L	1.0	0.11	1	05/09/22 10:08	05/10/22 15:34	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.11 I	ug/L	0.20	0.090	1	05/10/22 10:59	05/13/22 10:48	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/10/22 03:30	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/10/22 03:30	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:30	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/10/22 03:30	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/10/22 03:30	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/10/22 03:30	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/10/22 03:30	74-83-9	J(v2)

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24988 2MW-24D **Lab ID:** 35715519003 **Collected:** 05/04/22 11:07 **Received:** 05/06/22 13:15 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/10/22 03:30	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/10/22 03:30	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/10/22 03:30	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/10/22 03:30	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/10/22 03:30	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/10/22 03:30	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/10/22 03:30	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/10/22 03:30	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/10/22 03:30	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/10/22 03:30	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/10/22 03:30	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/10/22 03:30	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/10/22 03:30	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/10/22 03:30	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/10/22 03:30	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/10/22 03:30	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/10/22 03:30	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/10/22 03:30	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/10/22 03:30	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/10/22 03:30	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:30	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/10/22 03:30	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/10/22 03:30	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/10/22 03:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/10/22 03:30	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/10/22 03:30	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/10/22 03:30	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/10/22 03:30	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/10/22 03:30	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/10/22 03:30	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:30	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:30	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/10/22 03:30	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/10/22 03:30	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/10/22 03:30	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/10/22 03:30	108-05-4	J(v1)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/10/22 03:30	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/10/22 03:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		05/10/22 03:30	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		05/10/22 03:30	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/10/22 03:30	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24988 2MW-24D Lab ID: 35715519003 Collected: 05/04/22 11:07 Received: 05/06/22 13:15 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	322	mg/L	5.0	5.0	1		05/10/22 19:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL									
Pace Analytical Services - Ormond Beach									
Chloride	45.2	mg/L	5.0	2.5	1		05/14/22 06:50	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1									
Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL									
Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/17/22 17:14	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24992 4MW7 **Lab ID:** 35715519004 Collected: 05/04/22 15:23 Received: 05/06/22 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.05 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/11/22 12:44	05/12/22 09:06	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	05/11/22 12:44	05/12/22 09:06	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/11/22 08:32	05/14/22 16:17	7440-38-2	
Barium	9.7 I	ug/L	10.0	0.84	1	05/11/22 08:32	05/14/22 16:17	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/11/22 08:32	05/14/22 16:17	7440-41-7	
Cadmium	0.44 I	ug/L	1.0	0.33	1	05/11/22 08:32	05/14/22 16:17	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/11/22 08:32	05/14/22 16:17	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/11/22 08:32	05/14/22 16:17	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/11/22 08:32	05/14/22 16:17	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/11/22 08:32	05/14/22 16:17	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/11/22 08:32	05/14/22 16:17	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/11/22 08:32	05/14/22 16:17	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/11/22 08:32	05/14/22 16:17	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/11/22 08:32	05/14/22 16:17	7440-22-4	
Sodium	4.6	mg/L	2.0	0.54	1	05/11/22 08:32	05/14/22 16:17	7440-23-5	
Vanadium	1.7 I	ug/L	10.0	1.0	1	05/11/22 08:32	05/14/22 16:17	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/11/22 08:32	05/14/22 16:17	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/09/22 10:08	05/10/22 15:35	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/09/22 10:08	05/10/22 15:35	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/11/22 10:50	05/12/22 10:18	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/10/22 03:53	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/10/22 03:53	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:53	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/10/22 03:53	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/10/22 03:53	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/10/22 03:53	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/10/22 03:53	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24992 4MW7 **Lab ID:** 35715519004 **Collected:** 05/04/22 15:23 **Received:** 05/06/22 13:15 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/10/22 03:53	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/10/22 03:53	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/10/22 03:53	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/10/22 03:53	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/10/22 03:53	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/10/22 03:53	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/10/22 03:53	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/10/22 03:53	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/10/22 03:53	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/10/22 03:53	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/10/22 03:53	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/10/22 03:53	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/10/22 03:53	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/10/22 03:53	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/10/22 03:53	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/10/22 03:53	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/10/22 03:53	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/10/22 03:53	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/10/22 03:53	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/10/22 03:53	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:53	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/10/22 03:53	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/10/22 03:53	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/10/22 03:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/10/22 03:53	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/10/22 03:53	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/10/22 03:53	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/10/22 03:53	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/10/22 03:53	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/10/22 03:53	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:53	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 03:53	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/10/22 03:53	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/10/22 03:53	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/10/22 03:53	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/10/22 03:53	108-05-4	J(v1)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/10/22 03:53	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/10/22 03:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/10/22 03:53	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		05/10/22 03:53	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/10/22 03:53	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Sample: AD 24992 4MW7 Lab ID: 35715519004 Collected: 05/04/22 15:23 Received: 05/06/22 13:15 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	205	mg/L	5.0	5.0	1		05/11/22 09:38		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL									
Pace Analytical Services - Ormond Beach									
Chloride	12.7	mg/L	5.0	2.5	1		05/14/22 07:12	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1									
Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL									
Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/17/22 17:16	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch: 822649

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519001, 35715519002, 35715519003

METHOD BLANK: 4519118

Matrix: Water

Associated Lab Samples: 35715519001, 35715519002, 35715519003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/13/22 09:09	

LABORATORY CONTROL SAMPLE: 4519119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.2	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4519120 4519121

Parameter	Units	35715089002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.11 I	2	2	2.0	1.9	92	88	75-125	5	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch: 822990

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519004

METHOD BLANK: 4521212

Matrix: Water

Associated Lab Samples: 35715519004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/12/22 09:07	

LABORATORY CONTROL SAMPLE: 4521213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4521214 4521215

Parameter	Units	35716198006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.1	2.1	105	104	75-125	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch:	823005	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

METHOD BLANK: 4521257 Matrix: Water

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	05/14/22 15:08	
Barium	ug/L	0.84 U	10.0	0.84	05/14/22 15:08	
Beryllium	ug/L	0.17 U	4.0	0.17	05/14/22 15:08	
Cadmium	ug/L	0.33 U	1.0	0.33	05/14/22 15:08	
Chromium	ug/L	1.7 U	5.0	1.7	05/14/22 15:08	
Cobalt	ug/L	0.96 U	10.0	0.96	05/14/22 15:08	
Copper	ug/L	2.6 U	5.0	2.6	05/14/22 15:08	
Iron	ug/L	25.0 U	40.0	25.0	05/14/22 15:08	
Lead	ug/L	4.6 U	10.0	4.6	05/14/22 15:08	
Nickel	ug/L	2.1 U	5.0	2.1	05/14/22 15:08	
Selenium	ug/L	3.9 U	15.0	3.9	05/14/22 15:08	
Silver	ug/L	1.0 U	5.0	1.0	05/14/22 15:08	
Sodium	mg/L	0.54 U	2.0	0.54	05/14/22 15:08	
Vanadium	ug/L	1.0 U	10.0	1.0	05/14/22 15:08	
Zinc	ug/L	11.0 U	20.0	11.0	05/14/22 15:08	

LABORATORY CONTROL SAMPLE: 4521258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	248	99	80-120	
Barium	ug/L	250	258	103	80-120	
Beryllium	ug/L	25	24.9	100	80-120	
Cadmium	ug/L	25	26.1	104	80-120	
Chromium	ug/L	250	255	102	80-120	
Cobalt	ug/L	250	255	102	80-120	
Copper	ug/L	250	249	100	80-120	
Iron	ug/L	2500	2570	103	80-120	
Lead	ug/L	250	258	103	80-120	
Nickel	ug/L	250	259	103	80-120	
Selenium	ug/L	250	258	103	80-120	
Silver	ug/L	25	24.9	99	80-120	
Sodium	mg/L	12.5	12.2	97	80-120	
Vanadium	ug/L	250	253	101	80-120	
Zinc	ug/L	1250	1300	104	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4521259 4521260											
Parameter	Units	35716140001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
		Result	Spike Conc.	Spike Conc.							
Arsenic	ug/L	9.8 I	250	250	262	267	101	103	75-125	2	20
Barium	ug/L	6.5 I	250	250	266	268	104	104	75-125	1	20
Beryllium	ug/L	0.17 U	25	25	25.6	25.8	102	103	75-125	1	20
Cadmium	ug/L	0.33 U	25	25	26.6	26.7	106	106	75-125	0	20
Chromium	ug/L	1.7 U	250	250	258	259	103	104	75-125	1	20
Cobalt	ug/L	0.96 U	250	250	259	260	103	104	75-125	1	20
Copper	ug/L	2.6 U	250	250	260	261	103	104	75-125	1	20
Iron	ug/L	25.0 U	2500	2500	2610	2610	104	104	75-125	0	20
Lead	ug/L	4.6 U	250	250	258	261	103	104	75-125	1	20
Nickel	ug/L	2.1 U	250	250	262	264	104	105	75-125	1	20
Selenium	ug/L	3.9 U	250	250	262	266	105	106	75-125	1	20
Silver	ug/L	1.0 U	25	25	25.7	25.5	101	100	75-125	1	20
Sodium	mg/L	20900	12.5	12.5	34.0	34.1	105	105	75-125	0	20
		ug/L									
Vanadium	ug/L	1.6 I	250	250	261	262	104	104	75-125	0	20
Zinc	ug/L	11.0 U	1250	1250	1310	1320	105	105	75-125	1	20

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch:	822379	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

METHOD BLANK: 4516750 Matrix: Water

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	05/10/22 12:34	
Thallium	ug/L	0.11 U	1.0	0.11	05/10/22 12:34	

LABORATORY CONTROL SAMPLE: 4516751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	52.1	104	80-120	
Thallium	ug/L	50	49.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4516752 4516753

Parameter	Units	35714813009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	53.3	52.7	106	105	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	48.2	48.7	96	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch: 822559

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

METHOD BLANK: 4518837

Matrix: Water

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/09/22 23:03	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/09/22 23:03	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/09/22 23:03	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/09/22 23:03	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/09/22 23:03	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/09/22 23:03	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/09/22 23:03	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/09/22 23:03	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/09/22 23:03	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/09/22 23:03	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/09/22 23:03	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/09/22 23:03	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/09/22 23:03	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/09/22 23:03	
Acetone	ug/L	9.4 U	25.0	9.4	05/09/22 23:03	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/09/22 23:03	
Benzene	ug/L	0.30 U	1.0	0.30	05/09/22 23:03	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/09/22 23:03	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/09/22 23:03	
Bromoform	ug/L	2.8 U	3.0	2.8	05/09/22 23:03	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/09/22 23:03	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/09/22 23:03	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/09/22 23:03	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/09/22 23:03	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/09/22 23:03	
Chloroform	ug/L	0.56 U	1.0	0.56	05/09/22 23:03	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/09/22 23:03	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/09/22 23:03	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/09/22 23:03	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/09/22 23:03	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/09/22 23:03	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/09/22 23:03	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/09/22 23:03	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/09/22 23:03	
Styrene	ug/L	0.65 U	1.0	0.65	05/09/22 23:03	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/09/22 23:03	
Toluene	ug/L	0.71 U	1.0	0.71	05/09/22 23:03	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/09/22 23:03	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/09/22 23:03	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/09/22 23:03	J(v2)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

METHOD BLANK: 4518837

Matrix: Water

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/09/22 23:03	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/09/22 23:03	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/09/22 23:03	J(v1)
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/09/22 23:03	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/09/22 23:03	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		05/09/22 23:03	
4-Bromofluorobenzene (S)	%	100	70-130		05/09/22 23:03	
Toluene-d8 (S)	%	101	70-130		05/09/22 23:03	

LABORATORY CONTROL SAMPLE: 4518838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	20	20.7	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.6	98	68-125	
1,1,2-Trichloroethane	ug/L	20	20.7	104	70-130	
1,1-Dichloroethane	ug/L	20	21.6	108	70-130	
1,1-Dichloroethene	ug/L	20	20.2	101	66-133	
1,2,3-Trichloropropane	ug/L	20	18.7	94	62-127	
1,2-Dichlorobenzene	ug/L	20	20.0	100	70-130	
1,2-Dichloroethane	ug/L	20	22.5	113	70-130	
1,2-Dichloropropane	ug/L	20	21.6	108	70-130	
1,4-Dichlorobenzene	ug/L	20	19.9	99	70-130	
2-Butanone (MEK)	ug/L	100	94.4	94	47-143	
2-Hexanone	ug/L	100	95.6	96	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.1	98	57-132	
Acetone	ug/L	100	91.2	91	46-148	
Acrylonitrile	ug/L	100	103	103	60-143	
Benzene	ug/L	20	20.7	103	70-130	
Bromochloromethane	ug/L	20	22.0	110	70-130	
Bromodichloromethane	ug/L	20	21.7	109	70-130	
Bromoform	ug/L	20	18.4	92	49-126	
Bromomethane	ug/L	20	5.1 I	26	10-165 J(v3)	
Carbon disulfide	ug/L	20	19.7	99	60-141	
Carbon tetrachloride	ug/L	20	20.8	104	63-126	
Chlorobenzene	ug/L	20	20.2	101	70-130	
Chloroethane	ug/L	20	19.7	99	71-142	
Chloroform	ug/L	20	19.7	98	70-130	
Chloromethane	ug/L	20	18.1	91	40-140	
cis-1,2-Dichloroethene	ug/L	20	21.2	106	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.0	105	70-130	
Dibromochloromethane	ug/L	20	19.7	99	62-118	
Dibromomethane	ug/L	20	21.7	108	70-130	
Ethylbenzene	ug/L	20	20.0	100	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

LABORATORY CONTROL SAMPLE: 4518838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	35	10-164	J(v3)
Methylene Chloride	ug/L	20	20.9	105	65-136	
Styrene	ug/L	20	17.5	87	70-130	
Tetrachloroethene	ug/L	20	19.7	98	64-134	
Toluene	ug/L	20	19.9	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.2	101	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.9	99	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	13.7	68	42-129	J(v3)
Trichloroethene	ug/L	20	20.8	104	70-130	
Trichlorofluoromethane	ug/L	20	20.6	103	65-135	
Vinyl acetate	ug/L	20	28.4	142	60-144	J(v1)
Vinyl chloride	ug/L	20	19.2	96	68-131	
Xylene (Total)	ug/L	60	61.2	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4518840

Parameter	Units	35715492006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.6	103	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	22.9	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	19.6	98	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	21.1	106	70-130	
1,1-Dichloroethane	ug/L	0.46 I	20	24.3	119	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.4	112	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.1	91	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.8	94	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	23.4	117	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	22.9	114	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.3	91	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	92.2	92	47-143	
2-Hexanone	ug/L	10.0 U	100	96.3	96	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	99.0	99	57-132	
Acetone	ug/L	9.4 U	100	87.8	88	46-148	
Acrylonitrile	ug/L	11.0 U	100	102	102	60-143	
Benzene	ug/L	0.54 I	20	22.9	112	70-130	
Bromochloromethane	ug/L	0.37 U	20	23.1	116	70-130	
Bromodichloromethane	ug/L	0.44 U	20	22.7	113	70-130	
Bromoform	ug/L	2.8 U	20	18.3	91	49-126	
Bromomethane	ug/L	3.9 U	20	4.5 I	22	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	19.5	97	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	22.5	112	63-126	
Chlorobenzene	ug/L	0.35 U	20	20.4	102	70-130	
Chloroethane	ug/L	3.7 U	20	19.5	98	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

MATRIX SPIKE SAMPLE: 4518840		35715492006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	20.6	103	70-130	
Chloromethane	ug/L	0.92 U	20	18.9	95	40-140	
cis-1,2-Dichloroethene	ug/L	3.4	20	25.7	111	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	19.7	99	70-130	
Dibromochloromethane	ug/L	0.97 U	20	20.3	101	62-118	
Dibromomethane	ug/L	0.34 U	20	22.6	113	70-130	
Ethylbenzene	ug/L	0.30 U	20	20.0	100	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	45	10-164 J(v3)	
Methylene Chloride	ug/L	4.4 U	20	22.0	110	65-136	
Styrene	ug/L	0.65 U	20	17.4	87	70-130	
Tetrachloroethene	ug/L	0.38 U	20	19.0	95	64-134	
Toluene	ug/L	0.71 U	20	20.7	104	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	21.5	108	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	19.4	97	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	6.9 I	35	42-129 J(M1),J(v3)	
Trichloroethene	ug/L	0.36 U	20	21.9	110	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	21.8	109	65-135	
Vinyl acetate	ug/L	1.8 U	20	24.4	122	60-144 J(v1)	
Vinyl chloride	ug/L	0.88 U	20	21.8	109	68-131	
Xylene (Total)	ug/L	2.1 U	60	60.5	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4518839

Parameter	Units	35715492005	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

SAMPLE DUPLICATE: 4518839

Parameter	Units	35715492005 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.77 I	0.79 I		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	J(v1)
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	100	101		40	
4-Bromofluorobenzene (S)	%	100	101		40	
Toluene-d8 (S)	%	100	100		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch:	823013	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

METHOD BLANK: 4521319 Matrix: Water

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/12/22 04:10	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/12/22 04:10	

LABORATORY CONTROL SAMPLE: 4521320

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	105	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.26	102	60-140	

MATRIX SPIKE SAMPLE: 4521321

Parameter	Units	35715625001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.26	0.28	107	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.26	0.27	103	60-140	

SAMPLE DUPLICATE: 4521322

Parameter	Units	35715625002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.0067 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.0079 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch: 822596

QC Batch Method: SM 2540C

Analysis Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519001

METHOD BLANK: 4518956

Matrix: Water

Associated Lab Samples: 35715519001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/10/22 09:35	

LABORATORY CONTROL SAMPLE: 4518957

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	295	98	90-110	

SAMPLE DUPLICATE: 4518959

Parameter	Units	35715001001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5240	4780	9	10	

SAMPLE DUPLICATE: 4518979

Parameter	Units	35715183001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	156	157	1	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch:	822597	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519002

METHOD BLANK: 4518960 Matrix: Water

Associated Lab Samples: 35715519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/10/22 12:06	

LABORATORY CONTROL SAMPLE: 4518961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	292	97	90-110	

SAMPLE DUPLICATE: 4518962

Parameter	Units	35715011001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3420	3520	3	10	

SAMPLE DUPLICATE: 4518963

Parameter	Units	35714967001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5600	1900	99	10	J(D6)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch: 822894

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519003

METHOD BLANK: 4520481

Matrix: Water

Associated Lab Samples: 35715519003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/10/22 19:07	

LABORATORY CONTROL SAMPLE: 4520482

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	291	97	90-110	

SAMPLE DUPLICATE: 4520483

Parameter	Units	35715000001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3140	3440	9	10	

SAMPLE DUPLICATE: 4520484

Parameter	Units	35715089001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	90.0	97.0	7	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch: 822974

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519004

METHOD BLANK: 4521160

Matrix: Water

Associated Lab Samples: 35715519004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/11/22 09:38	

LABORATORY CONTROL SAMPLE: 4521161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	90-110	

SAMPLE DUPLICATE: 4521162

Parameter	Units	35715467001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	21300	19600	8	10	

SAMPLE DUPLICATE: 4521163

Parameter	Units	35714970003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	30500	57400	61	10 J(D6)	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch: 824005

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

METHOD BLANK: 4527620

Matrix: Water

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	05/14/22 04:39	

LABORATORY CONTROL SAMPLE: 4527621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.2	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4529742 4529743

Parameter	Units	35715519001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	54.1	50	50	108	109	108	109	90-110	1	20 L	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715519

QC Batch: 824473

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

METHOD BLANK: 4530008

Matrix: Water

Associated Lab Samples: 35715519001, 35715519002, 35715519003, 35715519004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/17/22 17:01	

LABORATORY CONTROL SAMPLE: 4530009

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4530011 4530010

Parameter	Units	35715519001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.0	1.0	102	102	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4530012 4530013

Parameter	Units	35715663002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.0	105	105	90-110	0	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

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QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35715519

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
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.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(v1)	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
L	Off-scale high. Actual value is known to be greater than value given.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill

Pace Project No.: 35715519

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35715519001	AD 24986 2MW-26D	EPA 8011	823013	EPA 8011	823256
35715519002	AD 24987 2MW-25D	EPA 8011	823013	EPA 8011	823256
35715519003	AD 24988 2MW-24D	EPA 8011	823013	EPA 8011	823256
35715519004	AD 24992 4MW7	EPA 8011	823013	EPA 8011	823256
35715519001	AD 24986 2MW-26D	EPA 3010	823005	EPA 6010	823101
35715519002	AD 24987 2MW-25D	EPA 3010	823005	EPA 6010	823101
35715519003	AD 24988 2MW-24D	EPA 3010	823005	EPA 6010	823101
35715519004	AD 24992 4MW7	EPA 3010	823005	EPA 6010	823101
35715519001	AD 24986 2MW-26D	EPA 3010	822379	EPA 6020	822432
35715519002	AD 24987 2MW-25D	EPA 3010	822379	EPA 6020	822432
35715519003	AD 24988 2MW-24D	EPA 3010	822379	EPA 6020	822432
35715519004	AD 24992 4MW7	EPA 3010	822379	EPA 6020	822432
35715519001	AD 24986 2MW-26D	EPA 7470	822649	EPA 7470	822721
35715519002	AD 24987 2MW-25D	EPA 7470	822649	EPA 7470	822721
35715519003	AD 24988 2MW-24D	EPA 7470	822649	EPA 7470	822721
35715519004	AD 24992 4MW7	EPA 7470	822990	EPA 7470	823109
35715519001	AD 24986 2MW-26D	EPA 8260	822559		
35715519002	AD 24987 2MW-25D	EPA 8260	822559		
35715519003	AD 24988 2MW-24D	EPA 8260	822559		
35715519004	AD 24992 4MW7	EPA 8260	822559		
35715519001	AD 24986 2MW-26D	SM 2540C	822596		
35715519002	AD 24987 2MW-25D	SM 2540C	822597		
35715519003	AD 24988 2MW-24D	SM 2540C	822894		
35715519004	AD 24992 4MW7	SM 2540C	822974		
35715519001	AD 24986 2MW-26D	EPA 300.0	824005		
35715519002	AD 24987 2MW-25D	EPA 300.0	824005		
35715519003	AD 24988 2MW-24D	EPA 300.0	824005		
35715519004	AD 24992 4MW7	EPA 300.0	824005		
35715519001	AD 24986 2MW-26D	EPA 350.1	824473		
35715519002	AD 24987 2MW-25D	EPA 350.1	824473		
35715519003	AD 24988 2MW-24D	EPA 350.1	824473		
35715519004	AD 24992 4MW7	EPA 350.1	824473		

REPORT OF LABORATORY ANALYSIS

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Company:	Pasco County Environmental Laboratory	Report To:	Ms. Candia E. Mulhern	Attention:		Regulatory Agency
Address:	8864 Government Drive	Copy To:		Company Name:		
	New Port Richey, FL 34654			Address:		
Email:		Purchase Order #:		Phone:		
Phone:	(727)847-8802	Project Name:	Resource Recovery Landfill	Pace Project Manager:	mike.valdez@pascelabs.com	State / Location
Requested Due Date:		Project #:		Pace Profile #:	942 line 1, 7	Florida
					Requested Analysis Efforted (Y/N)	

[illegible]



WO#: 35715519

(SCUR)

Project # PM: CLG Due Date: 05/20/22
Project Manager: CLIENT: PASCOU
Client:

Date and Initials of person:
Examining contents: 2/1
Label: 2/1
Deliver: 2/1
pH: 2/1

Thermometer Used: T-393 Date: 5-6-22 Time: 2258 Initials: DP1

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C 1.9 (Visual) +0.0 (Correction Factor) 1.9 (Actual) ☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Recheck for OOT °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Time: _____ Initials: _____

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other _____
Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority
☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ One ☐ Other _____

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☐ Yes ☒ No ☐ N/A	* NO SAMPLER INFO
Relinquished Signature & Sampler Name COC	☐ Yes ☒ No ☐ N/A	" "
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☒ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	Preservative: _____
Exceptions: Vials, Microbiology, O&G, PFAS		Lot #/Trace #: _____
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	Date: _____ Time: _____
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	Initials: _____

Comments/ Resolution (use back for additional comments):



WO#: 35715519

Project #
Project Manager:
Client:

PM: CLG Due Date: 05/20/22
CLIENT: PASCOW

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver: _____
pH: _____

Thermometer Used: T202

Date: 5-6-22

Time: 1315

Initials: DS

State of Origin: FL

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 24 (Visual) +0.2 (Correction Factor) 2.6 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual) Time: Initials:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Comments:

Chain of Custody Present	☐ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☐ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☐ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☐ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☐ No ☐ N/A	
Sufficient Volume	☐ Yes ☐ No ☐ N/A	
Correct Containers Used	☐ Yes ☐ No ☐ N/A	
Containers Intact	☐ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☐ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A	Preservative: _____
Exceptions: Vials, Microbiology, O&G, PFAS		Lot #/Trace #: _____
		Date: _____ Time: _____
		Initials: _____
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☐ N/A	

Comments/ Resolution (use back for additional comments):

May 18, 2022

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Landfill
Pace Project No.: 35715518

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on May 06, 2022. 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.

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

- Pace Analytical Services - Ormond Beach

This project was received outside of the acceptable temperature range. (13.6°C)

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

Sincerely,



Chelsea Gagne
chelsea.gagne@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Carissa Dennison, Pasco County Utilities Environmental
Laboratory



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery Landfill

Pace Project No.: 35715518

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Resource Recovery Landfill

Pace Project No.: 35715518

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35715518001	AD 25064 2MW 27D	Water	05/05/22 08:47	05/06/22 13:15
35715518002	AD 25065 4MW 27	Water	05/05/22 14:25	05/06/22 13:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill

Pace Project No.: 35715518

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35715518001	AD 25064 2MW 27D	EPA 8011	LJM	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35715518002	AD 25065 4MW 27	EPA 8011	LJM	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715518

Sample: AD 25064 2MW 27D **Lab ID:** 35715518001 **Collected:** 05/05/22 08:47 **Received:** 05/06/22 13:15 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.04 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/09/22 11:51	05/10/22 22:20	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	05/09/22 11:51	05/10/22 22:20	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/09/22 11:15	05/12/22 14:55	7440-38-2	
Barium	26.7	ug/L	10.0	0.84	1	05/09/22 11:15	05/12/22 14:55	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/09/22 11:15	05/12/22 14:55	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/09/22 11:15	05/12/22 14:55	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/09/22 11:15	05/12/22 14:55	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/09/22 11:15	05/12/22 14:55	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/09/22 11:15	05/12/22 14:55	7440-50-8	
Iron	293	ug/L	40.0	25.0	1	05/09/22 11:15	05/12/22 14:55	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/09/22 11:15	05/12/22 14:55	7439-92-1	
Nickel	2.8 I	ug/L	5.0	2.1	1	05/09/22 11:15	05/12/22 14:55	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/09/22 11:15	05/12/22 14:55	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/09/22 11:15	05/12/22 14:55	7440-22-4	
Sodium	40.6	mg/L	2.0	0.54	1	05/09/22 11:15	05/12/22 14:55	7440-23-5	
Vanadium	1.8 I	ug/L	10.0	1.0	1	05/09/22 11:15	05/12/22 14:55	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/09/22 11:15	05/12/22 14:55	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/09/22 11:15	05/12/22 18:36	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/09/22 11:15	05/12/22 18:36	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.11 I	ug/L	0.20	0.090	1	05/10/22 10:59	05/13/22 10:38	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/10/22 04:15	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/10/22 04:15	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 04:15	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/10/22 04:15	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/10/22 04:15	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/10/22 04:15	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/10/22 04:15	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715518

Sample: AD 25064 2MW 27D **Lab ID:** 35715518001 **Collected:** 05/05/22 08:47 **Received:** 05/06/22 13:15 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/10/22 04:15	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/10/22 04:15	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/10/22 04:15	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/10/22 04:15	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/10/22 04:15	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/10/22 04:15	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/10/22 04:15	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/10/22 04:15	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/10/22 04:15	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/10/22 04:15	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/10/22 04:15	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/10/22 04:15	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/10/22 04:15	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/10/22 04:15	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/10/22 04:15	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/10/22 04:15	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/10/22 04:15	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/10/22 04:15	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/10/22 04:15	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/10/22 04:15	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 04:15	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/10/22 04:15	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/10/22 04:15	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/10/22 04:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/10/22 04:15	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/10/22 04:15	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/10/22 04:15	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/10/22 04:15	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/10/22 04:15	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/10/22 04:15	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 04:15	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 04:15	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/10/22 04:15	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/10/22 04:15	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/10/22 04:15	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/10/22 04:15	108-05-4	J(v1)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/10/22 04:15	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/10/22 04:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/10/22 04:15	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		05/10/22 04:15	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/10/22 04:15	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715518

Sample: AD 25064 2MW 27D Lab ID: 35715518001 Collected: 05/05/22 08:47 Received: 05/06/22 13:15 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	378	mg/L	5.0	5.0	1		05/11/22 20:54		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL									
Pace Analytical Services - Ormond Beach									
Chloride	77.8	mg/L	5.0	2.5	1		05/14/22 03:12	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1									
Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL									
Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/17/22 16:57	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715518

Sample: AD 25065 4MW 27 **Lab ID:** 35715518002 **Collected:** 05/05/22 14:25 **Received:** 05/06/22 13:15 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 33.9 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/09/22 11:51	05/10/22 22:35	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	05/09/22 11:51	05/10/22 22:35	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/09/22 11:15	05/12/22 14:58	7440-38-2	
Barium	20.6	ug/L	10.0	0.84	1	05/09/22 11:15	05/12/22 14:58	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/09/22 11:15	05/12/22 14:58	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/09/22 11:15	05/12/22 14:58	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/09/22 11:15	05/12/22 14:58	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/09/22 11:15	05/12/22 14:58	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/09/22 11:15	05/12/22 14:58	7440-50-8	
Iron	138	ug/L	40.0	25.0	1	05/09/22 11:15	05/12/22 14:58	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/09/22 11:15	05/12/22 14:58	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/09/22 11:15	05/12/22 14:58	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/09/22 11:15	05/12/22 14:58	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/09/22 11:15	05/12/22 14:58	7440-22-4	
Sodium	35.1	mg/L	2.0	0.54	1	05/09/22 11:15	05/12/22 14:58	7440-23-5	
Vanadium	10.6	ug/L	10.0	1.0	1	05/09/22 11:15	05/12/22 14:58	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/09/22 11:15	05/12/22 14:58	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/09/22 11:15	05/12/22 18:38	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/09/22 11:15	05/12/22 18:38	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.11 I	ug/L	0.20	0.090	1	05/10/22 10:59	05/13/22 10:41	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/10/22 04:59	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/10/22 04:59	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 04:59	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/10/22 04:59	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/10/22 04:59	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/10/22 04:59	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/10/22 04:59	74-83-9	J(v2)

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715518

Sample: AD 25065 4MW 27 **Lab ID:** 35715518002 **Collected:** 05/05/22 14:25 **Received:** 05/06/22 13:15 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/10/22 04:59	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/10/22 04:59	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/10/22 04:59	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/10/22 04:59	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/10/22 04:59	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/10/22 04:59	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/10/22 04:59	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/10/22 04:59	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/10/22 04:59	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/10/22 04:59	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/10/22 04:59	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/10/22 04:59	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/10/22 04:59	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/10/22 04:59	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/10/22 04:59	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/10/22 04:59	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/10/22 04:59	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/10/22 04:59	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/10/22 04:59	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/10/22 04:59	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/10/22 04:59	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/10/22 04:59	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/10/22 04:59	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/10/22 04:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/10/22 04:59	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/10/22 04:59	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/10/22 04:59	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/10/22 04:59	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/10/22 04:59	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/10/22 04:59	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 04:59	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/10/22 04:59	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/10/22 04:59	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/10/22 04:59	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/10/22 04:59	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/10/22 04:59	108-05-4	J(v1)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/10/22 04:59	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/10/22 04:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		05/10/22 04:59	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		05/10/22 04:59	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/10/22 04:59	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35715518

Sample: AD 25065 4MW 27 Lab ID: 35715518002 Collected: 05/05/22 14:25 Received: 05/06/22 13:15 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	344	mg/L	5.0	5.0	1		05/12/22 12:14		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	77.5	mg/L	5.0	2.5	1		05/14/22 03:34	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.061	mg/L	0.050	0.035	1		05/17/22 16:59	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

QC Batch: 822649

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715518001, 35715518002

METHOD BLANK: 4519118

Matrix: Water

Associated Lab Samples: 35715518001, 35715518002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/13/22 09:09	

LABORATORY CONTROL SAMPLE: 4519119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.2	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4519120 4519121

Parameter	Units	35715089002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.11 I	2	2	2.0	1.9	92	88	75-125	5	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

QC Batch: 822382

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715518001, 35715518002

METHOD BLANK: 4516802

Matrix: Water

Associated Lab Samples: 35715518001, 35715518002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	05/12/22 15:16	
Barium	ug/L	0.84 U	10.0	0.84	05/12/22 15:16	
Beryllium	ug/L	0.17 U	4.0	0.17	05/12/22 15:16	
Cadmium	ug/L	0.33 U	1.0	0.33	05/12/22 15:16	
Chromium	ug/L	1.7 U	5.0	1.7	05/12/22 15:16	
Cobalt	ug/L	0.96 U	10.0	0.96	05/12/22 15:16	
Copper	ug/L	2.6 U	5.0	2.6	05/12/22 15:16	
Iron	ug/L	25.0 U	40.0	25.0	05/12/22 15:16	
Lead	ug/L	4.6 U	10.0	4.6	05/12/22 15:16	
Nickel	ug/L	2.1 U	5.0	2.1	05/12/22 15:16	
Selenium	ug/L	3.9 U	15.0	3.9	05/12/22 15:16	
Silver	ug/L	1.0 U	5.0	1.0	05/12/22 15:16	
Sodium	mg/L	0.54 U	2.0	0.54	05/12/22 15:16	
Vanadium	ug/L	1.0 U	10.0	1.0	05/12/22 15:16	
Zinc	ug/L	11.0 U	20.0	11.0	05/12/22 15:16	

LABORATORY CONTROL SAMPLE: 4516803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	229	92	80-120	
Barium	ug/L	250	259	104	80-120	
Beryllium	ug/L	25	24.8	99	80-120	
Cadmium	ug/L	25	24.6	98	80-120	
Chromium	ug/L	250	249	100	80-120	
Cobalt	ug/L	250	249	100	80-120	
Copper	ug/L	250	250	100	80-120	
Iron	ug/L	2500	2430	97	80-120	
Lead	ug/L	250	255	102	80-120	
Nickel	ug/L	250	253	101	80-120	
Selenium	ug/L	250	237	95	80-120	
Silver	ug/L	25	26.1	105	80-120	
Sodium	mg/L	12.5	12.2	98	80-120	
Vanadium	ug/L	250	247	99	80-120	
Zinc	ug/L	1250	1230	98	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4516804 4516805												
		35715663002	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Parameter	Units	Result										
Arsenic	ug/L	0.0034 U mg/L	250	250	227	225	91	90	75-125	1	20	
Barium	ug/L	0.84 U	250	250	263	258	105	103	75-125	2	20	
Beryllium	ug/L	0.17 U	25	25	24.7	24.3	99	97	75-125	2	20	
Cadmium	ug/L	0.00033 U mg/L	25	25	24.5	24.2	98	97	75-125	1	20	
Chromium	ug/L	0.0017 U mg/L	250	250	254	249	102	99	75-125	2	20	
Cobalt	ug/L	0.96 U	250	250	248	245	99	98	75-125	1	20	
Copper	ug/L	2.6 U	250	250	254	249	102	100	75-125	2	20	
Iron	ug/L	0.025 U mg/L	2500	2500	2410	2410	96	96	75-125	0	20	
Lead	ug/L	0.0046 U mg/L	250	250	254	251	102	100	75-125	1	20	
Nickel	ug/L	2.1 U	250	250	253	249	101	100	75-125	2	20	
Selenium	ug/L	3.9 U	250	250	235	234	94	93	75-125	1	20	
Silver	ug/L	1.0 U	25	25	25.7	25.9	102	103	75-125	0	20	
Sodium	mg/L	540 U ug/L	12.5	12.5	12.2	12.1	98	97	75-125	1	20	
Vanadium	ug/L	1.0 U	250	250	251	246	100	99	75-125	2	20	
Zinc	ug/L	0.011 U mg/L	1250	1250	1220	1210	98	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

QC Batch:	822381	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715518001, 35715518002

METHOD BLANK: 4516797 Matrix: Water

Associated Lab Samples: 35715518001, 35715518002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	05/13/22 20:20	
Thallium	ug/L	0.11 U	1.0	0.11	05/13/22 20:20	

LABORATORY CONTROL SAMPLE: 4516798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.5	95	80-120	
Thallium	ug/L	50	53.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4516799 4516800

Parameter	Units	35715663003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	47.1	47.1	94	94	75-125	0	20	
Thallium	ug/L	0.11 U	50	50	51.8	52.0	104	104	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

QC Batch: 822559

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715518001, 35715518002

METHOD BLANK: 4518837

Matrix: Water

Associated Lab Samples: 35715518001, 35715518002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/09/22 23:03	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/09/22 23:03	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/09/22 23:03	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/09/22 23:03	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/09/22 23:03	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/09/22 23:03	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/09/22 23:03	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/09/22 23:03	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/09/22 23:03	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/09/22 23:03	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/09/22 23:03	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/09/22 23:03	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/09/22 23:03	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/09/22 23:03	
Acetone	ug/L	9.4 U	25.0	9.4	05/09/22 23:03	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/09/22 23:03	
Benzene	ug/L	0.30 U	1.0	0.30	05/09/22 23:03	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/09/22 23:03	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/09/22 23:03	
Bromoform	ug/L	2.8 U	3.0	2.8	05/09/22 23:03	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/09/22 23:03	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/09/22 23:03	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/09/22 23:03	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/09/22 23:03	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/09/22 23:03	
Chloroform	ug/L	0.56 U	1.0	0.56	05/09/22 23:03	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/09/22 23:03	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/09/22 23:03	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/09/22 23:03	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/09/22 23:03	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/09/22 23:03	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/09/22 23:03	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/09/22 23:03	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/09/22 23:03	
Styrene	ug/L	0.65 U	1.0	0.65	05/09/22 23:03	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/09/22 23:03	
Toluene	ug/L	0.71 U	1.0	0.71	05/09/22 23:03	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/09/22 23:03	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/09/22 23:03	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/09/22 23:03	J(v2)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

METHOD BLANK: 4518837

Matrix: Water

Associated Lab Samples: 35715518001, 35715518002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/09/22 23:03	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/09/22 23:03	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/09/22 23:03	J(v1)
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/09/22 23:03	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/09/22 23:03	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		05/09/22 23:03	
4-Bromofluorobenzene (S)	%	100	70-130		05/09/22 23:03	
Toluene-d8 (S)	%	101	70-130		05/09/22 23:03	

LABORATORY CONTROL SAMPLE: 4518838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	20	20.7	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.6	98	68-125	
1,1,2-Trichloroethane	ug/L	20	20.7	104	70-130	
1,1-Dichloroethane	ug/L	20	21.6	108	70-130	
1,1-Dichloroethene	ug/L	20	20.2	101	66-133	
1,2,3-Trichloropropane	ug/L	20	18.7	94	62-127	
1,2-Dichlorobenzene	ug/L	20	20.0	100	70-130	
1,2-Dichloroethane	ug/L	20	22.5	113	70-130	
1,2-Dichloropropane	ug/L	20	21.6	108	70-130	
1,4-Dichlorobenzene	ug/L	20	19.9	99	70-130	
2-Butanone (MEK)	ug/L	100	94.4	94	47-143	
2-Hexanone	ug/L	100	95.6	96	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.1	98	57-132	
Acetone	ug/L	100	91.2	91	46-148	
Acrylonitrile	ug/L	100	103	103	60-143	
Benzene	ug/L	20	20.7	103	70-130	
Bromochloromethane	ug/L	20	22.0	110	70-130	
Bromodichloromethane	ug/L	20	21.7	109	70-130	
Bromoform	ug/L	20	18.4	92	49-126	
Bromomethane	ug/L	20	5.1 I	26	10-165 J(v3)	
Carbon disulfide	ug/L	20	19.7	99	60-141	
Carbon tetrachloride	ug/L	20	20.8	104	63-126	
Chlorobenzene	ug/L	20	20.2	101	70-130	
Chloroethane	ug/L	20	19.7	99	71-142	
Chloroform	ug/L	20	19.7	98	70-130	
Chloromethane	ug/L	20	18.1	91	40-140	
cis-1,2-Dichloroethene	ug/L	20	21.2	106	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.0	105	70-130	
Dibromochloromethane	ug/L	20	19.7	99	62-118	
Dibromomethane	ug/L	20	21.7	108	70-130	
Ethylbenzene	ug/L	20	20.0	100	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

LABORATORY CONTROL SAMPLE: 4518838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	35	10-164	J(v3)
Methylene Chloride	ug/L	20	20.9	105	65-136	
Styrene	ug/L	20	17.5	87	70-130	
Tetrachloroethene	ug/L	20	19.7	98	64-134	
Toluene	ug/L	20	19.9	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.2	101	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.9	99	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	13.7	68	42-129	J(v3)
Trichloroethene	ug/L	20	20.8	104	70-130	
Trichlorofluoromethane	ug/L	20	20.6	103	65-135	
Vinyl acetate	ug/L	20	28.4	142	60-144	J(v1)
Vinyl chloride	ug/L	20	19.2	96	68-131	
Xylene (Total)	ug/L	60	61.2	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4518840

Parameter	Units	35715492006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.6	103	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	22.9	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	19.6	98	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	21.1	106	70-130	
1,1-Dichloroethane	ug/L	0.46 I	20	24.3	119	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.4	112	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.1	91	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.8	94	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	23.4	117	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	22.9	114	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.3	91	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	92.2	92	47-143	
2-Hexanone	ug/L	10.0 U	100	96.3	96	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	99.0	99	57-132	
Acetone	ug/L	9.4 U	100	87.8	88	46-148	
Acrylonitrile	ug/L	11.0 U	100	102	102	60-143	
Benzene	ug/L	0.54 I	20	22.9	112	70-130	
Bromochloromethane	ug/L	0.37 U	20	23.1	116	70-130	
Bromodichloromethane	ug/L	0.44 U	20	22.7	113	70-130	
Bromoform	ug/L	2.8 U	20	18.3	91	49-126	
Bromomethane	ug/L	3.9 U	20	4.5 I	22	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	19.5	97	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	22.5	112	63-126	
Chlorobenzene	ug/L	0.35 U	20	20.4	102	70-130	
Chloroethane	ug/L	3.7 U	20	19.5	98	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

MATRIX SPIKE SAMPLE: 4518840		35715492006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	20.6	103	70-130	
Chloromethane	ug/L	0.92 U	20	18.9	95	40-140	
cis-1,2-Dichloroethene	ug/L	3.4	20	25.7	111	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	19.7	99	70-130	
Dibromochloromethane	ug/L	0.97 U	20	20.3	101	62-118	
Dibromomethane	ug/L	0.34 U	20	22.6	113	70-130	
Ethylbenzene	ug/L	0.30 U	20	20.0	100	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	45	10-164 J(v3)	
Methylene Chloride	ug/L	4.4 U	20	22.0	110	65-136	
Styrene	ug/L	0.65 U	20	17.4	87	70-130	
Tetrachloroethene	ug/L	0.38 U	20	19.0	95	64-134	
Toluene	ug/L	0.71 U	20	20.7	104	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	21.5	108	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	19.4	97	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	6.9 I	35	42-129 J(M1),J(v3)	
Trichloroethene	ug/L	0.36 U	20	21.9	110	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	21.8	109	65-135	
Vinyl acetate	ug/L	1.8 U	20	24.4	122	60-144 J(v1)	
Vinyl chloride	ug/L	0.88 U	20	21.8	109	68-131	
Xylene (Total)	ug/L	2.1 U	60	60.5	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4518839

Parameter	Units	35715492005	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

SAMPLE DUPLICATE: 4518839

Parameter	Units	35715492005 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.77 I	0.79 I		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	J(v1)
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	100	101		40	
4-Bromofluorobenzene (S)	%	100	101		40	
Toluene-d8 (S)	%	100	100		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

QC Batch:	822354	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715518001, 35715518002

METHOD BLANK: 4516608 Matrix: Water

Associated Lab Samples: 35715518001, 35715518002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/10/22 16:22	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/10/22 16:22	

LABORATORY CONTROL SAMPLE: 4516609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.24	98	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	99	60-140	

MATRIX SPIKE SAMPLE: 4516610

Parameter	Units	35715718002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0067 U	0.26	0.22	85	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.048	0.26	0.26	83	60-140	

SAMPLE DUPLICATE: 4516611

Parameter	Units	35715718010 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.0066 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.0078 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

QC Batch: 823147

QC Batch Method: SM 2540C

Analysis Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715518001

METHOD BLANK: 4522083

Matrix: Water

Associated Lab Samples: 35715518001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/11/22 20:54	

LABORATORY CONTROL SAMPLE: 4522084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	292	97	90-110	

SAMPLE DUPLICATE: 4522085

Parameter	Units	35715081003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1400	1330	5	10	

SAMPLE DUPLICATE: 4522086

Parameter	Units	35715306001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	468	462	1	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

QC Batch: 823457

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715518002

METHOD BLANK: 4524519

Matrix: Water

Associated Lab Samples: 35715518002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/12/22 11:52	

LABORATORY CONTROL SAMPLE: 4524520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	296	99	90-110	

SAMPLE DUPLICATE: 4524521

Parameter	Units	35715121002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	762	784	3	10	

SAMPLE DUPLICATE: 4524522

Parameter	Units	35715371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	10400	11000	5	10	

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

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

QC Batch: 824004

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715518001, 35715518002

METHOD BLANK: 4527618

Matrix: Water

Associated Lab Samples: 35715518001, 35715518002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	05/13/22 17:46	

LABORATORY CONTROL SAMPLE: 4527619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.1	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4529736 4529737

Parameter	Units	35716530008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	21.0	50	50	72.8	72.2	104	102	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4529738 4529739

Parameter	Units	35715492002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	20.6	50	50	72.3	72.4	103	104	90-110	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35715518

QC Batch: 824472

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35715518001, 35715518002

METHOD BLANK: 4530002

Matrix: Water

Associated Lab Samples: 35715518001, 35715518002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/17/22 16:02	

LABORATORY CONTROL SAMPLE: 4530003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4530005 4530004

Parameter	Units	35715348002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.1	106	107	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4530006 4530007

Parameter	Units	35715491002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.0	105	105	90-110	1	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

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QUALIFIERS

Project: Resource Recovery Landfill

Pace Project No.: 35715518

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

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.

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

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

J(v1) The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

J(v2) The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

J(v3) The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill

Pace Project No.: 35715518

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35715518001	AD 25064 2MW 27D	EPA 8011	822354	EPA 8011	822526
35715518002	AD 25065 4MW 27	EPA 8011	822354	EPA 8011	822526
35715518001	AD 25064 2MW 27D	EPA 3010	822382	EPA 6010	822475
35715518002	AD 25065 4MW 27	EPA 3010	822382	EPA 6010	822475
35715518001	AD 25064 2MW 27D	EPA 3010	822381	EPA 6020	822472
35715518002	AD 25065 4MW 27	EPA 3010	822381	EPA 6020	822472
35715518001	AD 25064 2MW 27D	EPA 7470	822649	EPA 7470	822721
35715518002	AD 25065 4MW 27	EPA 7470	822649	EPA 7470	822721
35715518001	AD 25064 2MW 27D	EPA 8260	822559		
35715518002	AD 25065 4MW 27	EPA 8260	822559		
35715518001	AD 25064 2MW 27D	SM 2540C	823147		
35715518002	AD 25065 4MW 27	SM 2540C	823457		
35715518001	AD 25064 2MW 27D	EPA 300.0	824004		
35715518002	AD 25065 4MW 27	EPA 300.0	824004		
35715518001	AD 25064 2MW 27D	EPA 350.1	824472		
35715518002	AD 25065 4MW 27	EPA 350.1	824472		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt Form (SCUR)

Pace

Project #
Project Manager:
Client:

WO#: 35715518

PM: CLG Due Date: 05/20/22
CLIENT: PASCOW

Date and Initials of person:

Examining contents: DL
Label: DL
Deliver: DL
pH: DL

Thermometer Used: T-393

Date: 5-6-22

Time: 2258

Initials: DL

State of Origin: _____

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 1.9 (Visual) +0.0 (Correction Factor) 1.9 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual) Time: _____ Initials: _____

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other _____

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ One ☐ Other _____

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	NO SAMPLER INFO
Chain of Custody Filled Out	☐ Yes ☒ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☐ Yes ☒ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☒ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	

Preservation Information:

Preservative: _____

Lot #/Trace #: _____

Date: _____ Time: _____

Initials: _____

Comments/ Resolution (use back for additional comments):



WO#: 35715518

(R)

Project #
Project Manager:
Client:

PM: CLG Due Date: 05/20/22
CLIENT: PASCOU

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver: _____
pH: _____

Thermometer Used: T202

Date: 5-6-22

Time: 1315

Initials: DS

State of Origin: FL

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 13.4 (Visual) +0.2 (Correction Factor) 13.6 (Actual)

☒ Samples on ice, cooling process has begun

Cooler #2 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual) Time: Initials:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Comments:

Chain of Custody Present	☐ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☐ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☐ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☐ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☐ No ☐ N/A	
Sufficient Volume	☐ Yes ☐ No ☐ N/A	
Correct Containers Used	☐ Yes ☐ No ☐ N/A	
Containers Intact	☐ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☐ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☐ N/A	

Comments/ Resolution (use back for additional comments): out of temp

May 23, 2022

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Landfill
Pace Project No.: 35716373

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on May 10, 2022. 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.

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

- Pace Analytical Services - Ormond Beach

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

Sincerely,



Chelsea Gagne
chelsea.gagne@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Carissa Dennison, Pasco County Utilities Environmental
Laboratory



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35716373001	AD 25099 4MW21	Water	05/09/22 09:17	05/10/22 14:40
35716373002	AD 25100 4MW22	Water	05/09/22 10:17	05/10/22 14:40
35716373003	AD 25101 4MW23	Water	05/09/22 11:09	05/10/22 14:40
35716373004	AD 25102 4MW8	Water	05/09/22 15:55	05/10/22 14:40

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35716373001	AD 25099 4MW21	EPA 8011	LJM	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35716373002	AD 25100 4MW22	EPA 8011	LJM	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35716373003	AD 25101 4MW23	EPA 8011	LJM	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35716373004	AD 25102 4MW8	EPA 8011	TSW	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25099 4MW21 **Lab ID:** 35716373001 **Collected:** 05/09/22 09:17 **Received:** 05/10/22 14:40 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 33.84 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/11/22 12:58	05/12/22 16:19	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	05/11/22 12:58	05/12/22 16:19	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/16/22 10:27	05/17/22 17:02	7440-38-2	
Barium	9.6 I	ug/L	10.0	0.84	1	05/16/22 10:27	05/17/22 17:02	7440-39-3	
Beryllium	0.21 I	ug/L	4.0	0.17	1	05/16/22 10:27	05/17/22 17:02	7440-41-7	
Cadmium	1.2	ug/L	1.0	0.33	1	05/16/22 10:27	05/17/22 17:02	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/16/22 10:27	05/17/22 17:02	7440-47-3	
Cobalt	1.7 I	ug/L	10.0	0.96	1	05/16/22 10:27	05/17/22 17:02	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/16/22 10:27	05/17/22 17:02	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/16/22 10:27	05/17/22 17:02	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/16/22 10:27	05/17/22 17:02	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/16/22 10:27	05/17/22 17:02	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/16/22 10:27	05/17/22 17:02	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/16/22 10:27	05/17/22 17:02	7440-22-4	
Sodium	4.7	mg/L	2.0	0.54	1	05/16/22 10:27	05/17/22 17:02	7440-23-5	
Vanadium	1.5 I	ug/L	10.0	1.0	1	05/16/22 10:27	05/17/22 17:02	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/16/22 10:27	05/17/22 17:02	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/16/22 10:27	05/17/22 17:39	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/16/22 10:27	05/17/22 17:39	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/13/22 07:52	05/17/22 13:32	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/11/22 15:30	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/11/22 15:30	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/11/22 15:30	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/11/22 15:30	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/11/22 15:30	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/11/22 15:30	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/11/22 15:30	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25099 4MW21 **Lab ID:** 35716373001 **Collected:** 05/09/22 09:17 **Received:** 05/10/22 14:40 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/11/22 15:30	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/11/22 15:30	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/11/22 15:30	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/11/22 15:30	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/11/22 15:30	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/11/22 15:30	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/11/22 15:30	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/11/22 15:30	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/11/22 15:30	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/11/22 15:30	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/11/22 15:30	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/11/22 15:30	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/11/22 15:30	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/11/22 15:30	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/11/22 15:30	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/11/22 15:30	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/11/22 15:30	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/11/22 15:30	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/11/22 15:30	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/11/22 15:30	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/11/22 15:30	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/11/22 15:30	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/11/22 15:30	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/11/22 15:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/11/22 15:30	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/11/22 15:30	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/11/22 15:30	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/11/22 15:30	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/11/22 15:30	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/11/22 15:30	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/11/22 15:30	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/11/22 15:30	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/11/22 15:30	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/11/22 15:30	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/11/22 15:30	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/11/22 15:30	108-05-4	J(v1)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/11/22 15:30	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/11/22 15:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/11/22 15:30	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		05/11/22 15:30	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/11/22 15:30	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25099 4MW21 Lab ID: 35716373001 Collected: 05/09/22 09:17 Received: 05/10/22 14:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	103	mg/L	5.0	5.0	1		05/13/22 18:47		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	8.9	mg/L	5.0	2.5	1		05/18/22 19:12	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/19/22 16:14	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25100 4MW22 **Lab ID:** 35716373002 Collected: 05/09/22 10:17 Received: 05/10/22 14:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 33.9 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/11/22 12:58	05/12/22 16:33	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	05/11/22 12:58	05/12/22 16:33	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/16/22 10:27	05/17/22 17:17	7440-38-2	
Barium	10.2	ug/L	10.0	0.84	1	05/16/22 10:27	05/17/22 17:17	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/16/22 10:27	05/17/22 17:17	7440-41-7	
Cadmium	0.35 I	ug/L	1.0	0.33	1	05/16/22 10:27	05/17/22 17:17	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/16/22 10:27	05/17/22 17:17	7440-47-3	
Cobalt	0.97 I	ug/L	10.0	0.96	1	05/16/22 10:27	05/17/22 17:17	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/16/22 10:27	05/17/22 17:17	7440-50-8	
Iron	33.7 I	ug/L	40.0	25.0	1	05/16/22 10:27	05/17/22 17:17	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/16/22 10:27	05/17/22 17:17	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/16/22 10:27	05/17/22 17:17	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/16/22 10:27	05/17/22 17:17	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/16/22 10:27	05/17/22 17:17	7440-22-4	
Sodium	5.9	mg/L	2.0	0.54	1	05/16/22 10:27	05/17/22 17:17	7440-23-5	
Vanadium	1.0 I	ug/L	10.0	1.0	1	05/16/22 10:27	05/17/22 17:17	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/16/22 10:27	05/17/22 17:17	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/16/22 10:27	05/17/22 17:41	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/16/22 10:27	05/17/22 17:41	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/13/22 07:52	05/17/22 13:39	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/11/22 16:15	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/11/22 16:15	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/11/22 16:15	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/11/22 16:15	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/11/22 16:15	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/11/22 16:15	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/11/22 16:15	74-83-9	J(v2)

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25100 4MW22 **Lab ID: 35716373002** Collected: 05/09/22 10:17 Received: 05/10/22 14:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/11/22 16:15	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/11/22 16:15	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/11/22 16:15	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/11/22 16:15	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/11/22 16:15	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/11/22 16:15	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/11/22 16:15	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/11/22 16:15	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/11/22 16:15	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/11/22 16:15	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/11/22 16:15	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/11/22 16:15	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/11/22 16:15	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/11/22 16:15	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/11/22 16:15	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/11/22 16:15	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/11/22 16:15	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/11/22 16:15	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/11/22 16:15	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/11/22 16:15	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/11/22 16:15	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/11/22 16:15	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/11/22 16:15	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/11/22 16:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/11/22 16:15	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/11/22 16:15	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/11/22 16:15	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/11/22 16:15	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/11/22 16:15	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/11/22 16:15	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/11/22 16:15	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/11/22 16:15	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/11/22 16:15	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/11/22 16:15	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/11/22 16:15	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/11/22 16:15	108-05-4	J(v1)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/11/22 16:15	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/11/22 16:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		05/11/22 16:15	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		05/11/22 16:15	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/11/22 16:15	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25100 4MW22 Lab ID: 35716373002 Collected: 05/09/22 10:17 Received: 05/10/22 14:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	256	mg/L	5.0	5.0	1		05/13/22 18:47		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL									
Pace Analytical Services - Ormond Beach									
Chloride	14.9	mg/L	5.0	2.5	1		05/18/22 19:34	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1									
Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL									
Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/19/22 16:23	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25101 4MW23 **Lab ID:** 35716373003 Collected: 05/09/22 11:09 Received: 05/10/22 14:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.32 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	05/11/22 12:58	05/12/22 16:48	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	05/11/22 12:58	05/12/22 16:48	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/16/22 10:27	05/17/22 17:21	7440-38-2	
Barium	8.4 I	ug/L	10.0	0.84	1	05/16/22 10:27	05/17/22 17:21	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/16/22 10:27	05/17/22 17:21	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/16/22 10:27	05/17/22 17:21	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/16/22 10:27	05/17/22 17:21	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/16/22 10:27	05/17/22 17:21	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/16/22 10:27	05/17/22 17:21	7440-50-8	
Iron	440	ug/L	40.0	25.0	1	05/16/22 10:27	05/17/22 17:21	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/16/22 10:27	05/17/22 17:21	7439-92-1	
Nickel	2.2 I	ug/L	5.0	2.1	1	05/16/22 10:27	05/17/22 17:21	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/16/22 10:27	05/17/22 17:21	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/16/22 10:27	05/17/22 17:21	7440-22-4	
Sodium	24.5	mg/L	2.0	0.54	1	05/16/22 10:27	05/17/22 17:21	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	05/16/22 10:27	05/17/22 17:21	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/16/22 10:27	05/17/22 17:21	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/16/22 10:27	05/17/22 17:50	7440-36-0	
Thallium	0.12 I	ug/L	1.0	0.11	1	05/16/22 10:27	05/17/22 17:50	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/13/22 07:52	05/17/22 13:41	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/11/22 16:59	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/11/22 16:59	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/11/22 16:59	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/11/22 16:59	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/11/22 16:59	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/11/22 16:59	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/11/22 16:59	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25101 4MW23 **Lab ID: 35716373003** Collected: 05/09/22 11:09 Received: 05/10/22 14:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/11/22 16:59	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/11/22 16:59	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/11/22 16:59	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/11/22 16:59	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/11/22 16:59	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/11/22 16:59	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/11/22 16:59	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/11/22 16:59	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/11/22 16:59	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/11/22 16:59	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/11/22 16:59	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/11/22 16:59	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/11/22 16:59	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/11/22 16:59	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/11/22 16:59	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/11/22 16:59	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/11/22 16:59	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/11/22 16:59	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/11/22 16:59	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/11/22 16:59	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/11/22 16:59	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/11/22 16:59	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/11/22 16:59	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/11/22 16:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/11/22 16:59	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/11/22 16:59	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/11/22 16:59	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/11/22 16:59	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/11/22 16:59	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/11/22 16:59	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/11/22 16:59	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/11/22 16:59	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/11/22 16:59	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/11/22 16:59	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/11/22 16:59	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/11/22 16:59	108-05-4	J(v1)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/11/22 16:59	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/11/22 16:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		05/11/22 16:59	460-00-4	
Toluene-d8 (S)	106	%	70-130		1		05/11/22 16:59	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		05/11/22 16:59	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25101 4MW23 Lab ID: 35716373003 Collected: 05/09/22 11:09 Received: 05/10/22 14:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	324	mg/L	5.0	5.0	1		05/13/22 18:47		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL									
Pace Analytical Services - Ormond Beach									
Chloride	63.6	mg/L	5.0	2.5	1		05/18/22 19:56	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1									
Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL									
Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.095	mg/L	0.050	0.035	1		05/19/22 16:25	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25102 4MW8 **Lab ID:** 35716373004 Collected: 05/09/22 15:55 Received: 05/10/22 14:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 33.88 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/13/22 13:16	05/13/22 23:16	96-12-8	1p
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	05/13/22 13:16	05/13/22 23:16	106-93-4	1p
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.7 I	ug/L	10.0	3.4	1	05/16/22 10:27	05/17/22 17:25	7440-38-2	
Barium	7.1 I	ug/L	10.0	0.84	1	05/16/22 10:27	05/17/22 17:25	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/16/22 10:27	05/17/22 17:25	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/16/22 10:27	05/17/22 17:25	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/16/22 10:27	05/17/22 17:25	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/16/22 10:27	05/17/22 17:25	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/16/22 10:27	05/17/22 17:25	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/16/22 10:27	05/17/22 17:25	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/16/22 10:27	05/17/22 17:25	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/16/22 10:27	05/17/22 17:25	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/16/22 10:27	05/17/22 17:25	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/16/22 10:27	05/17/22 17:25	7440-22-4	
Sodium	4.0	mg/L	2.0	0.54	1	05/16/22 10:27	05/17/22 17:25	7440-23-5	
Vanadium	1.4 I	ug/L	10.0	1.0	1	05/16/22 10:27	05/17/22 17:25	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/16/22 10:27	05/17/22 17:25	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/16/22 10:27	05/17/22 17:52	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/16/22 10:27	05/17/22 17:52	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/13/22 07:52	05/17/22 13:43	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/11/22 15:21	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/11/22 15:21	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/11/22 15:21	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/11/22 15:21	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/11/22 15:21	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/11/22 15:21	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/11/22 15:21	74-83-9	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25102 4MW8 **Lab ID: 35716373004** Collected: 05/09/22 15:55 Received: 05/10/22 14:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/11/22 15:21	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/11/22 15:21	75-15-0	J(v2)
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/11/22 15:21	56-23-5	J(v2)
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/11/22 15:21	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/11/22 15:21	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/11/22 15:21	67-66-3	J(v2)
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/11/22 15:21	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/11/22 15:21	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/11/22 15:21	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/11/22 15:21	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/11/22 15:21	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/11/22 15:21	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/11/22 15:21	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/11/22 15:21	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/11/22 15:21	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/11/22 15:21	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/11/22 15:21	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/11/22 15:21	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/11/22 15:21	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/11/22 15:21	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/11/22 15:21	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/11/22 15:21	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/11/22 15:21	74-88-4	
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/11/22 15:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/11/22 15:21	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/11/22 15:21	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/11/22 15:21	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/11/22 15:21	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/11/22 15:21	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/11/22 15:21	108-88-3	J(v2)
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/11/22 15:21	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/11/22 15:21	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/11/22 15:21	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/11/22 15:21	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/11/22 15:21	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/11/22 15:21	108-05-4	J(v2)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/11/22 15:21	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/11/22 15:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/11/22 15:21	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		05/11/22 15:21	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/11/22 15:21	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Sample: AD 25102 4MW8 Lab ID: 35716373004 Collected: 05/09/22 15:55 Received: 05/10/22 14:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	212	mg/L	5.0	5.0	1		05/13/22 18:47		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	10.7	mg/L	5.0	2.5	1		05/18/22 20:18	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/19/22 16:26	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

QC Batch: 823763

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

METHOD BLANK: 4526195

Matrix: Water

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/17/22 12:44	

LABORATORY CONTROL SAMPLE: 4526196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4526197 4526198

Parameter	Units	35716236002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.1	2.0	104	102	75-125	1	20	

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

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

QC Batch: 824341

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

METHOD BLANK: 4529314

Matrix: Water

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	05/20/22 05:43	
Barium	ug/L	0.84 U	10.0	0.84	05/20/22 05:43	
Beryllium	ug/L	0.17 U	4.0	0.17	05/20/22 05:43	
Cadmium	ug/L	0.33 U	1.0	0.33	05/20/22 05:43	
Chromium	ug/L	1.7 U	5.0	1.7	05/20/22 05:43	
Cobalt	ug/L	0.96 U	10.0	0.96	05/20/22 05:43	
Copper	ug/L	2.6 U	5.0	2.6	05/20/22 05:43	
Iron	ug/L	25.0 U	40.0	25.0	05/20/22 05:43	
Lead	ug/L	4.6 U	10.0	4.6	05/20/22 05:43	
Nickel	ug/L	2.1 U	5.0	2.1	05/20/22 05:43	
Selenium	ug/L	3.9 U	15.0	3.9	05/20/22 05:43	
Silver	ug/L	1.0 U	5.0	1.0	05/20/22 05:43	
Sodium	mg/L	0.54 U	2.0	0.54	05/20/22 05:43	
Vanadium	ug/L	1.0 U	10.0	1.0	05/20/22 05:43	
Zinc	ug/L	11.0 U	20.0	11.0	05/20/22 05:43	

LABORATORY CONTROL SAMPLE: 4529315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	237	95	80-120	
Barium	ug/L	250	239	96	80-120	
Beryllium	ug/L	25	23.5	94	80-120	
Cadmium	ug/L	25	24.6	99	80-120	
Chromium	ug/L	250	244	98	80-120	
Cobalt	ug/L	250	243	97	80-120	
Copper	ug/L	250	237	95	80-120	
Iron	ug/L	2500	2410	97	80-120	
Lead	ug/L	250	244	97	80-120	
Nickel	ug/L	250	246	98	80-120	
Selenium	ug/L	250	247	99	80-120	
Silver	ug/L	25	23.8	95	80-120	
Sodium	mg/L	12.5	12.1	97	80-120	
Vanadium	ug/L	250	242	97	80-120	
Zinc	ug/L	1250	1230	98	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4529316 4529317											
Parameter	Units	35716373001		MS	MSD	MS		MS	MSD	% Rec Limits	Max RPD
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec		
Arsenic	ug/L	3.4 U	250	250	238	235	95	94	75-125	1	20
Barium	ug/L	9.6 I	250	250	253	248	97	95	75-125	2	20
Beryllium	ug/L	0.21 I	25	25	23.8	23.5	94	93	75-125	1	20
Cadmium	ug/L	1.2	25	25	25.8	25.6	98	97	75-125	1	20
Chromium	ug/L	1.7 U	250	250	245	242	98	97	75-125	1	20
Cobalt	ug/L	1.7 I	250	250	245	241	97	96	75-125	1	20
Copper	ug/L	2.6 U	250	250	275	234	110	94	75-125	16	20
Iron	ug/L	25.0 U	2500	2500	2480	2440	99	97	75-125	2	20
Lead	ug/L	4.6 U	250	250	245	241	98	96	75-125	2	20
Nickel	ug/L	2.1 U	250	250	247	244	98	97	75-125	1	20
Selenium	ug/L	3.9 U	250	250	243	242	97	97	75-125	0	20
Silver	ug/L	1.0 U	25	25	23.8	23.6	95	94	75-125	1	20
Sodium	mg/L	4.7	12.5	12.5	17.0	16.7	98	96	75-125	2	20
Vanadium	ug/L	1.5 I	250	250	245	242	98	96	75-125	2	20
Zinc	ug/L	11.0 U	1250	1250	1250	1210	100	97	75-125	3	20

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

QC Batch: 824340

Analysis Method: EPA 6020

QC Batch Method: EPA 3010

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

METHOD BLANK: 4529306

Matrix: Water

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	05/17/22 17:36	
Thallium	ug/L	0.11 U	1.0	0.11	05/17/22 17:36	

LABORATORY CONTROL SAMPLE: 4529307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	51.6	103	80-120	
Thallium	ug/L	50	44.5	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4529308 4529309

Parameter	Units	35716373002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	50.5	52.5	101	105	75-125	4	20	
Thallium	ug/L	0.11 U	50	50	44.2	48.0	88	96	75-125	8	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

QC Batch: 822999

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716373001, 35716373002, 35716373003

METHOD BLANK: 4521237

Matrix: Water

Associated Lab Samples: 35716373001, 35716373002, 35716373003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/11/22 10:22	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/11/22 10:22	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/11/22 10:22	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/11/22 10:22	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/11/22 10:22	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/11/22 10:22	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/11/22 10:22	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/11/22 10:22	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/11/22 10:22	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/11/22 10:22	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/11/22 10:22	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/11/22 10:22	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/11/22 10:22	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/11/22 10:22	
Acetone	ug/L	9.4 U	25.0	9.4	05/11/22 10:22	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/11/22 10:22	
Benzene	ug/L	0.30 U	1.0	0.30	05/11/22 10:22	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/11/22 10:22	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/11/22 10:22	
Bromoform	ug/L	2.8 U	3.0	2.8	05/11/22 10:22	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/11/22 10:22	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/11/22 10:22	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/11/22 10:22	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/11/22 10:22	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/11/22 10:22	
Chloroform	ug/L	0.56 U	1.0	0.56	05/11/22 10:22	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/11/22 10:22	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/11/22 10:22	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/11/22 10:22	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/11/22 10:22	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/11/22 10:22	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/11/22 10:22	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/11/22 10:22	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/11/22 10:22	
Styrene	ug/L	0.65 U	1.0	0.65	05/11/22 10:22	J(v2)
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/11/22 10:22	
Toluene	ug/L	0.71 U	1.0	0.71	05/11/22 10:22	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/11/22 10:22	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/11/22 10:22	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/11/22 10:22	J(v2)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

METHOD BLANK: 4521237

Matrix: Water

Associated Lab Samples: 35716373001, 35716373002, 35716373003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/11/22 10:22	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/11/22 10:22	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/11/22 10:22	J(v1)
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/11/22 10:22	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/11/22 10:22	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		05/11/22 10:22	
4-Bromofluorobenzene (S)	%	100	70-130		05/11/22 10:22	
Toluene-d8 (S)	%	103	70-130		05/11/22 10:22	

LABORATORY CONTROL SAMPLE: 4521238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.2	91	70-130	
1,1,1-Trichloroethane	ug/L	20	19.0	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.0	95	68-125	
1,1,2-Trichloroethane	ug/L	20	18.7	94	70-130	
1,1-Dichloroethane	ug/L	20	19.9	100	70-130	
1,1-Dichloroethene	ug/L	20	19.0	95	66-133	
1,2,3-Trichloropropane	ug/L	20	18.6	93	62-127	
1,2-Dichlorobenzene	ug/L	20	18.6	93	70-130	
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
1,2-Dichloropropane	ug/L	20	19.6	98	70-130	
1,4-Dichlorobenzene	ug/L	20	17.9	89	70-130	
2-Butanone (MEK)	ug/L	100	93.7	94	47-143	
2-Hexanone	ug/L	100	93.4	93	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.3	94	57-132	
Acetone	ug/L	100	82.0	82	46-148	
Acrylonitrile	ug/L	100	101	101	60-143	
Benzene	ug/L	20	19.0	95	70-130	
Bromochloromethane	ug/L	20	19.9	100	70-130	
Bromodichloromethane	ug/L	20	19.5	98	70-130	
Bromoform	ug/L	20	17.5	87	49-126	
Bromomethane	ug/L	20	4.8 I	24	10-165 J(v2)	
Carbon disulfide	ug/L	20	18.0	90	60-141	
Carbon tetrachloride	ug/L	20	18.6	93	63-126	
Chlorobenzene	ug/L	20	18.3	91	70-130	
Chloroethane	ug/L	20	16.6	83	71-142	
Chloroform	ug/L	20	17.7	88	70-130	
Chloromethane	ug/L	20	19.0	95	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.0	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Dibromochloromethane	ug/L	20	18.2	91	62-118	
Dibromomethane	ug/L	20	19.4	97	70-130	
Ethylbenzene	ug/L	20	18.4	92	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

LABORATORY CONTROL SAMPLE: 4521238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	35	10-164	J(v2)
Methylene Chloride	ug/L	20	18.4	92	65-136	
Styrene	ug/L	20	15.9	79	70-130	J(v3)
Tetrachloroethene	ug/L	20	18.3	91	64-134	
Toluene	ug/L	20	18.6	93	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.5	93	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	15.7	79	42-129	J(v3)
Trichloroethene	ug/L	20	18.9	94	70-130	
Trichlorofluoromethane	ug/L	20	19.1	95	65-135	
Vinyl acetate	ug/L	20	25.0	125	60-144	J(v1)
Vinyl chloride	ug/L	20	18.8	94	68-131	
Xylene (Total)	ug/L	60	55.7	93	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4521240

Parameter	Units	35716016001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	11.3	56	70-130	J(M1)
1,1,1-Trichloroethane	ug/L	0.30 U	20	12.8	64	70-130	J(M1)
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	10.7	53	68-125	J(M1)
1,1,2-Trichloroethane	ug/L	0.30 U	20	11.8	59	70-130	J(M1)
1,1-Dichloroethane	ug/L	0.34 U	20	13.5	68	70-130	J(M1)
1,1-Dichloroethene	ug/L	0.59 U	20	13.5	67	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	10.2	51	62-127	J(M1)
1,2-Dichlorobenzene	ug/L	0.60 U	20	10.6	53	70-130	J(M1)
1,2-Dichloroethane	ug/L	0.27 U	20	13.4	67	70-130	J(M1)
1,2-Dichloropropane	ug/L	0.23 U	20	13.2	66	70-130	J(M1)
1,4-Dichlorobenzene	ug/L	0.28 U	20	10.2	51	70-130	J(M1)
2-Butanone (MEK)	ug/L	6.0 U	100	56.6	57	47-143	
2-Hexanone	ug/L	10.0 U	100	56.7	57	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	57.5	57	57-132	
Acetone	ug/L	9.4 U	100	56.8	57	46-148	
Acrylonitrile	ug/L	11.0 U	100	61.7	62	60-143	
Benzene	ug/L	0.30 U	20	12.8	64	70-130	J(M1)
Bromochloromethane	ug/L	0.37 U	20	13.4	67	70-130	J(M1)
Bromodichloromethane	ug/L	2.4	20	15.6	66	70-130	J(M1)
Bromoform	ug/L	2.8 U	20	12.3	52	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	5	10-165	J(M1),J(v2)
Carbon disulfide	ug/L	1.8 U	20	12.7	63	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	13.0	65	63-126	
Chlorobenzene	ug/L	0.35 U	20	11.2	56	70-130	J(M1)
Chloroethane	ug/L	3.7 U	20	6.2 I	31	71-142	J(M1)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

MATRIX SPIKE SAMPLE: 4521240		35716016001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	12.4	62	70-130	J(M1)
Chloromethane	ug/L	0.92 U	20	8.1	40	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	12.8	64	70-130	J(M1)
cis-1,3-Dichloropropene	ug/L	0.51 U	20	11.9	60	70-130	J(M1)
Dibromochloromethane	ug/L	3.0	20	14.2	56	62-118	J(M1)
Dibromomethane	ug/L	0.34 U	20	12.8	64	70-130	J(M1)
Ethylbenzene	ug/L	0.30 U	20	10.9	55	70-130	J(M1)
Iodomethane	ug/L	9.3 U	20	9.3 U	19	10-164	J(v2)
Methylene Chloride	ug/L	4.4 U	20	12.8	64	65-136	J(M1)
Styrene	ug/L	0.65 U	20	8.5	42	70-130	J(M1),J(v3)
Tetrachloroethene	ug/L	0.38 U	20	10.5	53	64-134	J(M1)
Toluene	ug/L	0.71 U	20	11.5	58	70-130	J(M1)
trans-1,2-Dichloroethene	ug/L	0.23 U	20	12.5	62	68-127	J(M1)
trans-1,3-Dichloropropene	ug/L	0.89 U	20	11.2	56	65-121	J(M1)
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	7.2 I	36	42-129	J(M1),J(v3)
Trichloroethene	ug/L	0.36 U	20	12.2	61	70-130	J(M1)
Trichlorofluoromethane	ug/L	0.82 U	20	7.7	39	65-135	J(M1)
Vinyl acetate	ug/L	1.8 U	20	15.2	76	60-144	J(v1)
Vinyl chloride	ug/L	0.88 U	20	7.7	38	68-131	J(M1)
Xylene (Total)	ug/L	2.1 U	60	32.5	54	70-130	MS
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				103	70-130	

SAMPLE DUPLICATE: 4521239

Parameter	Units	35716246001	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

SAMPLE DUPLICATE: 4521239

Parameter	Units	35716246001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	8.0	7.2	11	40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	1.3	1.2	13	40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	J(v2)
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	J(v1)
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	102	101		40	
4-Bromofluorobenzene (S)	%	100	100		40	
Toluene-d8 (S)	%	102	103		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35716373

QC Batch:	823067	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716373004

METHOD BLANK: 4521566 Matrix: Water

Associated Lab Samples: 35716373004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/11/22 09:58	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/11/22 09:58	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/11/22 09:58	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/11/22 09:58	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/11/22 09:58	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/11/22 09:58	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/11/22 09:58	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/11/22 09:58	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/11/22 09:58	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/11/22 09:58	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/11/22 09:58	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/11/22 09:58	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/11/22 09:58	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/11/22 09:58	
Acetone	ug/L	9.4 U	25.0	9.4	05/11/22 09:58	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/11/22 09:58	
Benzene	ug/L	0.30 U	1.0	0.30	05/11/22 09:58	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/11/22 09:58	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/11/22 09:58	
Bromoform	ug/L	2.8 U	3.0	2.8	05/11/22 09:58	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/11/22 09:58	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/11/22 09:58	J(v2)
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/11/22 09:58	J(v2)
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/11/22 09:58	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/11/22 09:58	
Chloroform	ug/L	0.56 U	1.0	0.56	05/11/22 09:58	J(v2)
Chloromethane	ug/L	0.92 U	1.0	0.92	05/11/22 09:58	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/11/22 09:58	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/11/22 09:58	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/11/22 09:58	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/11/22 09:58	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/11/22 09:58	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/11/22 09:58	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/11/22 09:58	
Styrene	ug/L	0.65 U	1.0	0.65	05/11/22 09:58	J(v2)
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/11/22 09:58	
Toluene	ug/L	0.71 U	1.0	0.71	05/11/22 09:58	J(v2)
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/11/22 09:58	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/11/22 09:58	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/11/22 09:58	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35716373

METHOD BLANK: 4521566

Matrix: Water

Associated Lab Samples: 35716373004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/11/22 09:58	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/11/22 09:58	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/11/22 09:58	J(v2)
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/11/22 09:58	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/11/22 09:58	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130		05/11/22 09:58	
4-Bromofluorobenzene (S)	%	91	70-130		05/11/22 09:58	
Toluene-d8 (S)	%	100	70-130		05/11/22 09:58	

LABORATORY CONTROL SAMPLE: 4521567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	16.2	81	70-130	
1,1,1-Trichloroethane	ug/L	20	16.9	85	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	99	68-125	
1,1,2-Trichloroethane	ug/L	20	18.0	90	70-130	
1,1-Dichloroethane	ug/L	20	17.7	88	70-130	
1,1-Dichloroethene	ug/L	20	16.9	84	66-133	
1,2,3-Trichloropropane	ug/L	20	20.6	103	62-127	
1,2-Dichlorobenzene	ug/L	20	17.4	87	70-130	
1,2-Dichloroethane	ug/L	20	18.7	94	70-130	
1,2-Dichloropropane	ug/L	20	17.1	86	70-130	
1,4-Dichlorobenzene	ug/L	20	17.5	87	70-130	
2-Butanone (MEK)	ug/L	100	101	101	47-143	
2-Hexanone	ug/L	100	109	109	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	57-132	
Acetone	ug/L	100	101	101	46-148	
Acrylonitrile	ug/L	100	96.8	97	60-143	
Benzene	ug/L	20	16.6	83	70-130	
Bromochloromethane	ug/L	20	17.0	85	70-130	
Bromodichloromethane	ug/L	20	18.0	90	70-130	
Bromoform	ug/L	20	16.2	81	49-126	
Bromomethane	ug/L	20	19.4	97	10-165	
Carbon disulfide	ug/L	20	15.7	78	60-141 J(v3)	
Carbon tetrachloride	ug/L	20	16.0	80	63-126 J(v3)	
Chlorobenzene	ug/L	20	16.5	82	70-130	
Chloroethane	ug/L	20	17.5	88	71-142	
Chloroform	ug/L	20	16.0	80	70-130 J(v3)	
Chloromethane	ug/L	20	18.6	93	40-140	
cis-1,2-Dichloroethene	ug/L	20	17.4	87	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.3	87	70-130	
Dibromochloromethane	ug/L	20	16.9	85	62-118	
Dibromomethane	ug/L	20	16.8	84	70-130	
Ethylbenzene	ug/L	20	16.9	84	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

LABORATORY CONTROL SAMPLE: 4521567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	18.8	94	10-164	
Methylene Chloride	ug/L	20	17.7	89	65-136	
Styrene	ug/L	20	14.7	73	70-130	J(v3)
Tetrachloroethene	ug/L	20	16.1	81	64-134	
Toluene	ug/L	20	16.0	80	70-130	J(v3)
trans-1,2-Dichloroethene	ug/L	20	17.4	87	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.3	92	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	20.9	104	42-129	
Trichloroethene	ug/L	20	16.6	83	70-130	
Trichlorofluoromethane	ug/L	20	18.6	93	65-135	
Vinyl acetate	ug/L	20	15.3	77	60-144	J(v3)
Vinyl chloride	ug/L	20	18.0	90	68-131	
Xylene (Total)	ug/L	60	51.3	86	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			93	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 4521569

Parameter	Units	35716518002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.32	20	16.6	83	70-130	
1,1,1-Trichloroethane	ug/L	<0.30	20	19.3	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	<0.59	20	17.4	87	68-125	
1,1,2-Trichloroethane	ug/L	<0.30	20	16.8	84	70-130	
1,1-Dichloroethane	ug/L	<0.34	20	18.9	94	70-130	
1,1-Dichloroethene	ug/L	<0.59	20	20.2	101	66-133	
1,2,3-Trichloropropane	ug/L	<0.53	20	18.7	93	62-127	
1,2-Dichlorobenzene	ug/L	<0.60	20	16.4	82	70-130	
1,2-Dichloroethane	ug/L	<0.27	20	19.7	99	70-130	
1,2-Dichloropropane	ug/L	<0.23	20	18.2	91	70-130	
1,4-Dichlorobenzene	ug/L	<0.28	20	16.2	81	70-130	
2-Butanone (MEK)	ug/L	<6.0	100	177	177	47-143	J(M1)
2-Hexanone	ug/L	<10.0	100	179	179	48-145	J(M1)
4-Methyl-2-pentanone (MIBK)	ug/L	<7.5	100	175	175	57-132	J(M1)
Acetone	ug/L	<9.4	100	169	169	46-148	J(M1)
Acrylonitrile	ug/L	<11.0	100	11.0 U	0	60-143	J(M1)
Benzene	ug/L	<0.30	20	17.8	89	70-130	
Bromochloromethane	ug/L	<0.37	20	17.2	86	70-130	
Bromodichloromethane	ug/L	<0.44	20	18.7	94	70-130	
Bromoform	ug/L	<2.8	20	15.1	75	49-126	
Bromomethane	ug/L	<3.9	20	8.5 I	43	10-165	
Carbon disulfide	ug/L	<1.8	20	17.8	89	60-141	J(v3)
Carbon tetrachloride	ug/L	<0.44	20	19.1	96	63-126	J(v3)
Chlorobenzene	ug/L	<0.35	20	16.9	84	70-130	
Chloroethane	ug/L	<3.7	20	18.4	92	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

MATRIX SPIKE SAMPLE: 4521569		35716518002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroform	ug/L	<0.56	20	16.6	83	70-130	J(v3)
Chloromethane	ug/L	<0.92	20	19.4	97	40-140	
cis-1,2-Dichloroethene	ug/L	<0.83	20	18.8	94	70-130	
cis-1,3-Dichloropropene	ug/L	<0.51	20	17.3	87	70-130	
Dibromochloromethane	ug/L	<0.97	20	16.4	82	62-118	
Dibromomethane	ug/L	<0.34	20	16.5	82	70-130	
Ethylbenzene	ug/L	<0.30	20	16.9	85	70-130	
Iodomethane	ug/L	<9.3	20	9.8	49	10-164	
Methylene Chloride	ug/L	<4.4	20	18.9	94	65-136	
Styrene	ug/L	<0.65	20	14.5	73	70-130	J(v3)
Tetrachloroethene	ug/L	<0.38	20	16.8	84	64-134	
Toluene	ug/L	<0.71	20	16.7	83	70-130	J(v3)
trans-1,2-Dichloroethene	ug/L	<0.23	20	19.1	95	68-127	
trans-1,3-Dichloropropene	ug/L	<0.89	20	17.2	86	65-121	
trans-1,4-Dichloro-2-butene	ug/L	<2.5	20	17.5	87	42-129	
Trichloroethene	ug/L	<0.36	20	17.8	89	70-130	
Trichlorofluoromethane	ug/L	<0.82	20	21.0	105	65-135	
Vinyl acetate	ug/L	<1.8	20	2.6	13	60-144	J(M1),J(v3)
Vinyl chloride	ug/L	<0.88	20	20.8	104	68-131	
Xylene (Total)	ug/L	<2.1	60	51.9	87	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				92	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 4521568

Parameter	Units	35716518001	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.32	0.32	U	40	
1,1,1-Trichloroethane	ug/L	<0.30	0.30	U	40	
1,1,2,2-Tetrachloroethane	ug/L	<0.59	0.59	U	40	
1,1,2-Trichloroethane	ug/L	<0.30	0.30	U	40	
1,1-Dichloroethane	ug/L	<0.34	0.34	U	40	
1,1-Dichloroethene	ug/L	<0.59	0.59	U	40	
1,2,3-Trichloropropane	ug/L	<0.53	0.53	U	40	
1,2-Dichlorobenzene	ug/L	<0.60	0.60	U	40	
1,2-Dichloroethane	ug/L	<0.27	0.27	U	40	
1,2-Dichloropropane	ug/L	<0.23	0.23	U	40	
1,4-Dichlorobenzene	ug/L	<0.28	0.28	U	40	
2-Butanone (MEK)	ug/L	<6.0	6.0	U	40	
2-Hexanone	ug/L	<10.0	10.0	U	40	
4-Methyl-2-pentanone (MIBK)	ug/L	<7.5	7.5	U	40	
Acetone	ug/L	<9.4	9.4	U	40	
Acrylonitrile	ug/L	<11.0	11.0	U	40	
Benzene	ug/L	<0.30	0.30	U	40	
Bromochloromethane	ug/L	<0.37	0.37	U	40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

SAMPLE DUPLICATE: 4521568

Parameter	Units	35716518001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	<0.44	0.44 U		40	
Bromoform	ug/L	<2.8	2.8 U		40	
Bromomethane	ug/L	<3.9	3.9 U		40	
Carbon disulfide	ug/L	<1.8	1.8 U		40	J(v2)
Carbon tetrachloride	ug/L	<0.44	0.44 U		40	J(v2)
Chlorobenzene	ug/L	<0.35	0.35 U		40	
Chloroethane	ug/L	<3.7	3.7 U		40	
Chloroform	ug/L	<0.56	0.56 U		40	J(v2)
Chloromethane	ug/L	<0.92	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	<0.83	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	<0.51	0.51 U		40	
Dibromochloromethane	ug/L	<0.97	0.97 U		40	
Dibromomethane	ug/L	<0.34	0.34 U		40	
Ethylbenzene	ug/L	<0.30	0.30 U		40	
Iodomethane	ug/L	<9.3	9.3 U		40	
Methylene Chloride	ug/L	<4.4	4.4 U		40	
Styrene	ug/L	<0.65	0.65 U		40	J(v2)
Tetrachloroethene	ug/L	<0.38	0.38 U		40	
Toluene	ug/L	<0.71	0.71 U		40	J(v2)
trans-1,2-Dichloroethene	ug/L	<0.23	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	<0.89	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	<2.5	2.5 U		40	
Trichloroethene	ug/L	<0.36	0.36 U		40	
Trichlorofluoromethane	ug/L	<0.82	0.82 U		40	
Vinyl acetate	ug/L	<1.8	1.8 U		40	J(v2)
Vinyl chloride	ug/L	<0.88	0.88 U		40	
Xylene (Total)	ug/L	<2.1	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	99	101		40	
4-Bromofluorobenzene (S)	%	93	92		40	
Toluene-d8 (S)	%	101	100		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

QC Batch:	823015	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716373001, 35716373002, 35716373003

METHOD BLANK: 4521323 Matrix: Water

Associated Lab Samples: 35716373001, 35716373002, 35716373003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/12/22 10:35	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/12/22 10:35	

LABORATORY CONTROL SAMPLE: 4521324

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.23	91	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.23	91	60-140	

MATRIX SPIKE SAMPLE: 4521325

Parameter	Units	35716004004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.25	0.26	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0078 U	0.25	0.24	94	60-140	

SAMPLE DUPLICATE: 4521326

Parameter	Units	35716004005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.0067 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.0078 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35716373

QC Batch:	823757	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716373004

METHOD BLANK: 4526183 Matrix: Water

Associated Lab Samples: 35716373004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/13/22 21:45	1p
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/13/22 21:45	1p

LABORATORY CONTROL SAMPLE: 4526184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.24	97	60-140	1p
1,2-Dibromoethane (EDB)	ug/L	0.25	0.24	96	60-140	1p

MATRIX SPIKE SAMPLE: 4526185

Parameter	Units	35716004003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.25	0.22	89	60-140	1p
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	0.25	0.21	85	60-140	1p

SAMPLE DUPLICATE: 4526186

Parameter	Units	35716472001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.0065 U		40	1p
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	0.0077 U		40	1p

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

QC Batch: 824007

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

METHOD BLANK: 4527663

Matrix: Water

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/13/22 18:47	

LABORATORY CONTROL SAMPLE: 4527664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	286	95	90-110	

SAMPLE DUPLICATE: 4527665

Parameter	Units	35716271001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	9200	9240	0	10	

SAMPLE DUPLICATE: 4527666

Parameter	Units	35716446001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	8540	8720	2	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

QC Batch: 825085

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

METHOD BLANK: 4533589

Matrix: Water

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	05/18/22 15:53	

LABORATORY CONTROL SAMPLE: 4533590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.6	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4537069 4537070

Parameter	Units	35716349001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	14.2	50	50	65.6	66.3	103	104	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4537071 4537072

Parameter	Units	35716510001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	71.7	50	50	127	126	110	110	90-110	0	20 L	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716373

QC Batch: 825446

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

METHOD BLANK: 4535954

Matrix: Water

Associated Lab Samples: 35716373001, 35716373002, 35716373003, 35716373004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/19/22 16:11	

LABORATORY CONTROL SAMPLE: 4535955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4535957 4535956

Parameter	Units	35716373001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.0	1.0	100	100	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4535958 4535959

Parameter	Units	35716472006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	22.7	5	5	27.7	27.7	99	98	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35716373

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
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.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
1p	This analyte exceeded secondary source verification criteria high for the initial calibration. The results may be biased high.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(v1)	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
L	Off-scale high. Actual value is known to be greater than value given.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill

Pace Project No.: 35716373

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35716373001	AD 25099 4MW21	EPA 8011	823015	EPA 8011	823258
35716373002	AD 25100 4MW22	EPA 8011	823015	EPA 8011	823258
35716373003	AD 25101 4MW23	EPA 8011	823015	EPA 8011	823258
35716373004	AD 25102 4MW8	EPA 8011	823757	EPA 8011	824010
35716373001	AD 25099 4MW21	EPA 3010	824341	EPA 6010	824411
35716373002	AD 25100 4MW22	EPA 3010	824341	EPA 6010	824411
35716373003	AD 25101 4MW23	EPA 3010	824341	EPA 6010	824411
35716373004	AD 25102 4MW8	EPA 3010	824341	EPA 6010	824411
35716373001	AD 25099 4MW21	EPA 3010	824340	EPA 6020	824412
35716373002	AD 25100 4MW22	EPA 3010	824340	EPA 6020	824412
35716373003	AD 25101 4MW23	EPA 3010	824340	EPA 6020	824412
35716373004	AD 25102 4MW8	EPA 3010	824340	EPA 6020	824412
35716373001	AD 25099 4MW21	EPA 7470	823763	EPA 7470	823802
35716373002	AD 25100 4MW22	EPA 7470	823763	EPA 7470	823802
35716373003	AD 25101 4MW23	EPA 7470	823763	EPA 7470	823802
35716373004	AD 25102 4MW8	EPA 7470	823763	EPA 7470	823802
35716373001	AD 25099 4MW21	EPA 8260	822999		
35716373002	AD 25100 4MW22	EPA 8260	822999		
35716373003	AD 25101 4MW23	EPA 8260	822999		
35716373004	AD 25102 4MW8	EPA 8260	823067		
35716373001	AD 25099 4MW21	SM 2540C	824007		
35716373002	AD 25100 4MW22	SM 2540C	824007		
35716373003	AD 25101 4MW23	SM 2540C	824007		
35716373004	AD 25102 4MW8	SM 2540C	824007		
35716373001	AD 25099 4MW21	EPA 300.0	825085		
35716373002	AD 25100 4MW22	EPA 300.0	825085		
35716373003	AD 25101 4MW23	EPA 300.0	825085		
35716373004	AD 25102 4MW8	EPA 300.0	825085		
35716373001	AD 25099 4MW21	EPA 350.1	825446		
35716373002	AD 25100 4MW22	EPA 350.1	825446		
35716373003	AD 25101 4MW23	EPA 350.1	825446		
35716373004	AD 25102 4MW8	EPA 350.1	825446		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed.

WO#: 35716373



35716373

Section A: Required Client Information:		Section B: Required Project Information:		Section C: Invoice Information:	
Company: Pasco County Environmental Laboratory		Report To: Ms. Candia E. Mulhern		Attention:	
Address: 8864 Government Drive		Copy To:		Company Name:	
New Port Richey, FL 34654		Purchase Order #:		Address:	
Email:		Project Name: Resource Recovery Landfill		Pace Quote:	
Phone: (727)847-8902 Fax:		Project #:		Pace Project Manager: mike.valder@pacelabs.com	
Requested Due Date:				Pace Profile #: 942 line 1, 7	

Regulatory Agency:
State / Location:
Florida

Requested Due Date:

Project W

ITEM #	SAMPLE ID One Character per box, (A-Z, 0-9 / , -) Sample IDs must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
												Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Trip Blank 8260 VOCs Full List APP I	8260 VOCs Full List APP I		APP I Metals by 6020 ICPMS, 6010 ICP, HG	Trip Blank EDB and DBCP EPA 8011	EDB and DBCP EPA 8011	ammonia	Chloride, TDS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Bottle Kit	Pace	10/26/14	0845	Cas	5-9-22	1633	5.5 Y N Y
	Shee Tam	5/10/22	135	DR/DR	5/10/22	1351	7.0 Y N Y
	DR/DR	5/10/22	1440	DR/DR	5/10/22	1440	Y N Y
	CPI/Pace	5/10/22	3214		5/10/22	3214	2.8 Y N Y

SAMPLER NAME AND SIGNATURE	SAMPLER NAME AND SIGNATURE	DATE Signed:
PRINT Name of SAMPLER:	PRINT Name of SAMPLER:	
SIGNATURE of SAMPLER:	SIGNATURE of SAMPLER:	



WO#: 35716373

Project #
Project Manager:
Client:

PM: CLG Due Date: 05/24/22
CLIENT: PASCOW

Date and Initials of person:
Examining contents:
Label:
Deliver:
pH:

Thermometer Used: T202

Date: 5-10-22

Time: 1440

Initials: DS

State of Origin: FL

☐ For WV projects, all containers verified to $\pm 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 2.0 (Visual) +0.2 (Correction Factor) 2.2 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual) Time: Initials:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Comments:

Chain of Custody Present	☐ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☐ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☐ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☐ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☐ No ☐ N/A	
Sufficient Volume	☐ Yes ☐ No ☐ N/A	
Correct Containers Used	☐ Yes ☐ No ☐ N/A	
Containers Intact	☐ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☐ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information: Preservative: Lot #/Trace #: Date: Time: Initials:
All Containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☐ N/A	

Comments/ Resolution (use back for additional comments):

May 24, 2022

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Landfill
Pace Project No.: 35716688

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2022. 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.

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

- Pace Analytical Services - Ormond Beach
- Pace Analytical Services - Tampa

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

Sincerely,



Chelsea Gagne
chelsea.gagne@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Carissa Dennison, Pasco County Utilities Environmental
Laboratory



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery Landfill

Pace Project No.: 35716688

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Tampa

110 South Bayview Blvd., Tampa, FL 34677

Florida Certification #:E84129

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SAMPLE SUMMARY

Project: Resource Recovery Landfill

Pace Project No.: 35716688

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35716688001	AD25233 4MW5	Water	05/10/22 14:23	05/11/22 14:20

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill

Pace Project No.: 35716688

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35716688001	AD25233 4MW5	EPA 8011	LJM	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	AS3	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RMB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

PASI-Tp = Pace Analytical Services - Tampa

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716688

Sample: AD25233 4MW5 **Lab ID:** 35716688001 **Collected:** 05/10/22 14:23 **Received:** 05/11/22 14:20 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.88 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	05/16/22 13:24	05/17/22 18:42	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	05/16/22 13:24	05/17/22 18:42	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/16/22 14:37	05/20/22 11:26	7440-38-2	
Barium	10.7	ug/L	10.0	0.84	1	05/16/22 14:37	05/20/22 11:26	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/16/22 14:37	05/20/22 11:26	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/16/22 14:37	05/20/22 11:26	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/16/22 14:37	05/20/22 11:26	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/16/22 14:37	05/20/22 11:26	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/16/22 14:37	05/20/22 11:26	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/16/22 14:37	05/20/22 11:26	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/16/22 14:37	05/20/22 11:26	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/16/22 14:37	05/20/22 11:26	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/16/22 14:37	05/20/22 11:26	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/16/22 14:37	05/20/22 11:26	7440-22-4	
Sodium	23.5	mg/L	2.0	0.54	1	05/16/22 14:37	05/20/22 11:26	7440-23-5	
Vanadium	2.6 I	ug/L	10.0	1.0	1	05/16/22 14:37	05/20/22 11:26	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/16/22 14:37	05/20/22 11:26	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/16/22 14:37	05/18/22 09:15	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/16/22 14:37	05/18/22 09:15	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/16/22 12:38	05/18/22 11:30	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/12/22 18:34	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/12/22 18:34	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/12/22 18:34	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/12/22 18:34	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/12/22 18:34	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/12/22 18:34	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/12/22 18:34	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716688

Sample: AD25233 4MW5 Lab ID: 35716688001 Collected: 05/10/22 14:23 Received: 05/11/22 14:20 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/12/22 18:34	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/12/22 18:34	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/12/22 18:34	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/12/22 18:34	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/12/22 18:34	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/12/22 18:34	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/12/22 18:34	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/12/22 18:34	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/12/22 18:34	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/12/22 18:34	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/12/22 18:34	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/12/22 18:34	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/12/22 18:34	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/12/22 18:34	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/12/22 18:34	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/12/22 18:34	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/12/22 18:34	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/12/22 18:34	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/12/22 18:34	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/12/22 18:34	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/12/22 18:34	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/12/22 18:34	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/12/22 18:34	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/12/22 18:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/12/22 18:34	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/12/22 18:34	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/12/22 18:34	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/12/22 18:34	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/12/22 18:34	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/12/22 18:34	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/12/22 18:34	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/12/22 18:34	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/12/22 18:34	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/12/22 18:34	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/12/22 18:34	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/12/22 18:34	108-05-4	J(v1)
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/12/22 18:34	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/12/22 18:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/12/22 18:34	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		05/12/22 18:34	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/12/22 18:34	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35716688

Sample: AD25233 4MW5 Lab ID: 35716688001 Collected: 05/10/22 14:23 Received: 05/11/22 14:20 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa									
Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	299	mg/L	5.0	5.0	1		05/16/22 16:37		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	52.4	mg/L	5.0	2.5	1		05/20/22 02:51	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/20/22 17:30	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716688

QC Batch: 824384

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716688001

METHOD BLANK: 4529601

Matrix: Water

Associated Lab Samples: 35716688001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/18/22 11:02	

LABORATORY CONTROL SAMPLE: 4529602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4529603 4529604

Parameter	Units	35716472004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.1	2.1	100	100	75-125	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35716688

QC Batch:	824452	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716688001

METHOD BLANK: 4529926 Matrix: Water

Associated Lab Samples: 35716688001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	05/20/22 12:57	
Barium	ug/L	0.84 U	10.0	0.84	05/20/22 12:57	
Beryllium	ug/L	0.17 U	4.0	0.17	05/20/22 12:57	
Cadmium	ug/L	0.33 U	1.0	0.33	05/20/22 12:57	
Chromium	ug/L	1.7 U	5.0	1.7	05/20/22 12:57	
Cobalt	ug/L	0.96 U	10.0	0.96	05/20/22 12:57	
Copper	ug/L	2.6 U	5.0	2.6	05/20/22 12:57	
Iron	ug/L	25.0 U	40.0	25.0	05/20/22 12:57	
Lead	ug/L	4.6 U	10.0	4.6	05/20/22 12:57	
Nickel	ug/L	2.1 U	5.0	2.1	05/20/22 12:57	
Selenium	ug/L	3.9 U	15.0	3.9	05/20/22 12:57	
Silver	ug/L	1.0 U	5.0	1.0	05/20/22 12:57	
Sodium	mg/L	0.54 U	2.0	0.54	05/20/22 12:57	
Vanadium	ug/L	1.0 U	10.0	1.0	05/20/22 12:57	
Zinc	ug/L	11.0 U	20.0	11.0	05/20/22 12:57	

LABORATORY CONTROL SAMPLE: 4529927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	233	93	80-120	
Barium	ug/L	250	261	104	80-120	
Beryllium	ug/L	25	25.1	100	80-120	
Cadmium	ug/L	25	25.0	100	80-120	
Chromium	ug/L	250	254	101	80-120	
Cobalt	ug/L	250	253	101	80-120	
Copper	ug/L	250	253	101	80-120	
Iron	ug/L	2500	2510	101	80-120	
Lead	ug/L	250	260	104	80-120	
Nickel	ug/L	250	258	103	80-120	
Selenium	ug/L	250	242	97	80-120	
Silver	ug/L	25	25.2	101	80-120	
Sodium	mg/L	12.5	12.6	101	80-120	
Vanadium	ug/L	250	254	102	80-120	
Zinc	ug/L	1250	1250	100	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716688

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4529928 4529929											
Parameter	Units	35716688001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
		Result	Spike	Spike							
Arsenic	ug/L	3.4 U	250	250	233	233	93	92	75-125	0	20
Barium	ug/L	10.7	250	250	277	275	107	106	75-125	1	20
Beryllium	ug/L	0.17 U	25	25	25.1	25.2	101	101	75-125	0	20
Cadmium	ug/L	0.33 U	25	25	24.4	24.4	97	97	75-125	0	20
Chromium	ug/L	1.7 U	250	250	258	254	103	102	75-125	1	20
Cobalt	ug/L	0.96 U	250	250	248	248	99	99	75-125	0	20
Copper	ug/L	2.6 U	250	250	259	254	104	102	75-125	2	20
Iron	ug/L	25.0 U	2500	2500	2500	2480	100	99	75-125	1	20
Lead	ug/L	4.6 U	250	250	253	253	101	101	75-125	0	20
Nickel	ug/L	2.1 U	250	250	253	253	101	101	75-125	0	20
Selenium	ug/L	3.9 U	250	250	236	234	94	93	75-125	1	20
Silver	ug/L	1.0 U	25	25	26.1	25.2	105	101	75-125	4	20
Sodium	mg/L	23.5	12.5	12.5	37.6	38.3	113	118	75-125	2	20
Vanadium	ug/L	2.6 I	250	250	261	257	103	102	75-125	1	20
Zinc	ug/L	11.0 U	1250	1250	1220	1210	98	97	75-125	0	20

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716688

QC Batch:	824451	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716688001

METHOD BLANK: 4529919 Matrix: Water

Associated Lab Samples: 35716688001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	05/18/22 09:12	
Thallium	ug/L	0.11 U	1.0	0.11	05/18/22 09:12	

LABORATORY CONTROL SAMPLE: 4529920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.5	99	80-120	
Thallium	ug/L	50	54.5	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4529921 4529922

Parameter	Units	35717105001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	49.8	49.8	99	99	75-125	0	20	
Thallium	ug/L	0.11 U	50	50	55.3	53.9	110	108	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35716688

QC Batch:	823346	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716688001

METHOD BLANK: 4524096 Matrix: Water

Associated Lab Samples: 35716688001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/12/22 10:02	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/12/22 10:02	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/12/22 10:02	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/12/22 10:02	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/12/22 10:02	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/12/22 10:02	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/12/22 10:02	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/12/22 10:02	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/12/22 10:02	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/12/22 10:02	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/12/22 10:02	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/12/22 10:02	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/12/22 10:02	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/12/22 10:02	
Acetone	ug/L	9.5 I	25.0	9.4	05/12/22 10:02	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/12/22 10:02	
Benzene	ug/L	0.30 U	1.0	0.30	05/12/22 10:02	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/12/22 10:02	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/12/22 10:02	
Bromoform	ug/L	2.8 U	3.0	2.8	05/12/22 10:02	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/12/22 10:02	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/12/22 10:02	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/12/22 10:02	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/12/22 10:02	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/12/22 10:02	
Chloroform	ug/L	0.56 U	1.0	0.56	05/12/22 10:02	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/12/22 10:02	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/12/22 10:02	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/12/22 10:02	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/12/22 10:02	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/12/22 10:02	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/12/22 10:02	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/12/22 10:02	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/12/22 10:02	
Styrene	ug/L	0.65 U	1.0	0.65	05/12/22 10:02	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/12/22 10:02	
Toluene	ug/L	0.71 U	1.0	0.71	05/12/22 10:02	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/12/22 10:02	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/12/22 10:02	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/12/22 10:02	J(v2)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35716688

METHOD BLANK: 4524096

Matrix: Water

Associated Lab Samples: 35716688001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/12/22 10:02	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/12/22 10:02	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/12/22 10:02	J(v1)
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/12/22 10:02	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/12/22 10:02	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130		05/12/22 10:02	
4-Bromofluorobenzene (S)	%	100	70-130		05/12/22 10:02	
Toluene-d8 (S)	%	104	70-130		05/12/22 10:02	

LABORATORY CONTROL SAMPLE: 4524097

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.4	97	70-130	
1,1,1-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.1	90	68-125	
1,1,2-Trichloroethane	ug/L	20	19.9	100	70-130	
1,1-Dichloroethane	ug/L	20	21.1	105	70-130	
1,1-Dichloroethene	ug/L	20	19.9	99	66-133	
1,2,3-Trichloropropane	ug/L	20	17.5	87	62-127	
1,2-Dichlorobenzene	ug/L	20	19.1	96	70-130	
1,2-Dichloroethane	ug/L	20	21.8	109	70-130	
1,2-Dichloropropane	ug/L	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	20	18.8	94	70-130	
2-Butanone (MEK)	ug/L	100	86.0	86	47-143	
2-Hexanone	ug/L	100	92.6	93	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.8	94	57-132	
Acetone	ug/L	100	87.3	87	46-148	
Acrylonitrile	ug/L	100	96.7	97	60-143	
Benzene	ug/L	20	20.4	102	70-130	
Bromochloromethane	ug/L	20	21.9	110	70-130	
Bromodichloromethane	ug/L	20	20.8	104	70-130	
Bromoform	ug/L	20	18.4	92	49-126	
Bromomethane	ug/L	20	4.2 I	21	10-165 J(v3)	
Carbon disulfide	ug/L	20	19.2	96	60-141	
Carbon tetrachloride	ug/L	20	20.5	102	63-126	
Chlorobenzene	ug/L	20	19.7	99	70-130	
Chloroethane	ug/L	20	16.4	82	71-142	
Chloroform	ug/L	20	19.8	99	70-130	
Chloromethane	ug/L	20	18.1	90	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	
Dibromochloromethane	ug/L	20	19.6	98	62-118	
Dibromomethane	ug/L	20	20.8	104	70-130	
Ethylbenzene	ug/L	20	19.4	97	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716688

LABORATORY CONTROL SAMPLE: 4524097

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	33	10-164	J(v3)
Methylene Chloride	ug/L	20	20.0	100	65-136	
Styrene	ug/L	20	16.6	83	70-130	
Tetrachloroethene	ug/L	20	19.2	96	64-134	
Toluene	ug/L	20	19.4	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.4	97	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	12.6	63	42-129	J(v3)
Trichloroethene	ug/L	20	20.0	100	70-130	
Trichlorofluoromethane	ug/L	20	18.8	94	65-135	
Vinyl acetate	ug/L	20	26.7	133	60-144	J(v1)
Vinyl chloride	ug/L	20	18.9	95	68-131	
Xylene (Total)	ug/L	60	58.1	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 4524099

Parameter	Units	35716926002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	17.9	90	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.5	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	16.5	82	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.8	94	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.6	108	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	21.4	107	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	14.5	72	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.0	85	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	21.1	106	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.4	102	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	16.9	85	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	77.7	78	47-143	
2-Hexanone	ug/L	10.0 U	100	84.0	84	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	85.9	86	57-132	
Acetone	ug/L	9.4 U	100	72.9	73	46-148	
Acrylonitrile	ug/L	11.0 U	100	78.9	79	60-143	
Benzene	ug/L	0.30 U	20	20.2	101	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.4	102	70-130	
Bromodichloromethane	ug/L	0.44 U	20	20.4	102	70-130	
Bromoform	ug/L	2.8 U	20	16.2	81	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	13	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	20.3	102	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	20.2	101	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.3	92	70-130	
Chloroethane	ug/L	3.7 U	20	15.2	76	71-142	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716688

MATRIX SPIKE SAMPLE: 4524099		35716926002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	18.7	93	70-130	
Chloromethane	ug/L	0.92 U	20	16.9	84	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	18.4	92	70-130	
Dibromochloromethane	ug/L	0.97 U	20	17.7	89	62-118	
Dibromomethane	ug/L	0.34 U	20	19.4	97	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.1	91	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	33	10-164 J(v3)	
Methylene Chloride	ug/L	4.4 U	20	20.3	101	65-136	
Styrene	ug/L	0.65 U	20	15.3	76	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.8	89	64-134	
Toluene	ug/L	0.71 U	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.3	101	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	17.5	87	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	8.8 I	44	42-129	
Trichloroethene	ug/L	0.36 U	20	19.9	99	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	18.5	92	65-135	
Vinyl acetate	ug/L	1.8 U	20	21.4	107	60-144 J(v1)	
Vinyl chloride	ug/L	0.88 U	20	19.0	95	68-131	
Xylene (Total)	ug/L	2.1 U	60	54.0	90	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 4524098

Parameter	Units	35716926001	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	4.3	4.9	14	40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716688

SAMPLE DUPLICATE: 4524098

Parameter	Units	35716926001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	J(v1)
Vinyl chloride	ug/L	1.4	1.4	1	40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	104	102		40	
4-Bromofluorobenzene (S)	%	98	100		40	
Toluene-d8 (S)	%	103	102		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716688

QC Batch:	824324	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716688001

METHOD BLANK: 4529192 Matrix: Water

Associated Lab Samples: 35716688001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/17/22 18:13	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/17/22 18:13	

LABORATORY CONTROL SAMPLE: 4529193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.25	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	99	60-140	

MATRIX SPIKE SAMPLE: 4529194

Parameter	Units	35716882008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.25	0.22	90	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	0.25	0.22	87	60-140	

SAMPLE DUPLICATE: 4529195

Parameter	Units	35716898001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.0065 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.0076 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716688

QC Batch: 824390

QC Batch Method: SM 2540C

Analysis Method: SM 2540C

Analysis Description: 2540C Total Diss. Solids Tampa

Laboratory: Pace Analytical Services - Tampa

Associated Lab Samples: 35716688001

METHOD BLANK: 4529632

Matrix: Water

Associated Lab Samples: 35716688001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/16/22 16:37	

LABORATORY CONTROL SAMPLE: 4529633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	293	98	90-110	

SAMPLE DUPLICATE: 4529634

Parameter	Units	35716688001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	299	297	1	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35716688

QC Batch: 825573

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716688001

METHOD BLANK: 4536643

Matrix: Water

Associated Lab Samples: 35716688001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	05/19/22 18:02	

LABORATORY CONTROL SAMPLE: 4536644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.4	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4539282 4539283

Parameter	Units	35716633001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	25.2	50	50	76.1	75.2	102	100	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4539284 4539285

Parameter	Units	35716653003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	40.2	50	50	92.2	91.7	104	103	90-110	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35716688

QC Batch:	825801	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35716688001

METHOD BLANK: 4537823 Matrix: Water

Associated Lab Samples: 35716688001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/20/22 16:44	

LABORATORY CONTROL SAMPLE: 4537824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4537826 4537825

Parameter	Units	35718971005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	10	1	1	10.9	10.9	93	94	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4537827 4537828

Parameter	Units	35716505003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.1	109	109	90-110	0	20	

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QUALIFIERS

Project: Resource Recovery Landfill

Pace Project No.: 35716688

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

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.

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

J(v1) The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

J(v2) The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

J(v3) The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill

Pace Project No.: 35716688

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35716688001	AD25233 4MW5	EPA 8011	824324	EPA 8011	824503
35716688001	AD25233 4MW5	EPA 3010	824452	EPA 6010	824529
35716688001	AD25233 4MW5	EPA 3010	824451	EPA 6020	824528
35716688001	AD25233 4MW5	EPA 7470	824384	EPA 7470	824455
35716688001	AD25233 4MW5	EPA 8260	823346		
35716688001	AD25233 4MW5	SM 2540C	824390		
35716688001	AD25233 4MW5	EPA 300.0	825573		
35716688001	AD25233 4MW5	EPA 350.1	825801		

REPORT OF LABORATORY ANALYSIS

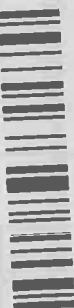
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MO#: 35716688

Invoice Information:

Attention:

35716688



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Required Client Information:		Required Project Information:		Invoice Information:	
Company:	Pasco County Environmental Laboratory	Report To:	Ms. Candia E. Mulhern	Attention:	
Address:	8864 Government Drive	Copy To:		Company Name:	
	New Port Richey, FL 34654			Address:	
Email:		Purchase Order #:		Pace Quote:	
Phone:	(727)647-8902	Project Name:	Resource Recovery Landfill	Pace Project Manager:	mike.valdez@pacelabs.com
				Pace Profile #:	942 line 1, 7
Requested Due Date:		Project #:			
			35716688 Regulatory Agency State / Location Florida		
			Requested Analysis Filtered (Y/N)		

[illegible]



WO#: 35716688

UR)

Project #
Project Manager:
Client:

PM: CLG Due Date: 05/25/22
CLIENT: PASCOW

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH: 5/11/22

Thermometer Used: T202

Date: 5-11-22

Time: 1420

Initials: DS

State of Origin: FL

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$: 5.2 (Visual) +0.2 (Correction Factor) 5.4 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$: (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$: (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$: (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$: (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$: (Visual) (Correction Factor) (Actual)

Recheck for OOT $^{\circ}\text{C}$: (Visual) (Correction Factor) (Actual) Time: Initials:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☒ None ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	Preservative:
Exceptions: Vials, Microbiology, O&G, PFAS		Lot #/Trace #:
		Date: Time:
		Initials:
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☐ Yes ☒ No ☐ N/A	

Comments/ Resolution (use back for additional comments):

May 31, 2022

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Landfill
Pace Project No.: 35717162

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on May 12, 2022. 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.

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

- Pace Analytical Services - Ormond Beach
- Pace Analytical Services - Tampa

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

Sincerely,



Chelsea Gagne
chelsea.gagne@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Carissa Dennison, Pasco County Utilities Environmental
Laboratory



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery Landfill

Pace Project No.: 35717162

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Tampa

110 South Bayview Blvd., Tampa, FL 34677

Florida Certification #:E84129

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Resource Recovery Landfill

Pace Project No.: 35717162

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35717162001	AD25326 4MW6	Water	05/11/22 14:45	05/12/22 15:48

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill

Pace Project No.: 35717162

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35717162001	AD25326 4MW6	EPA 8011	JPD	2	PASI-O
		EPA 6010	TMA	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	DDM	1	PASI-O
		EPA 350.1	RMB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

PASI-Tp = Pace Analytical Services - Tampa

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35717162

Sample: AD25326 4MW6 **Lab ID:** 35717162001 **Collected:** 05/11/22 14:45 **Received:** 05/12/22 15:48 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.36 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	05/20/22 11:55	05/21/22 16:26	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	05/20/22 11:55	05/21/22 16:26	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/17/22 07:46	05/24/22 19:49	7440-38-2	
Barium	4.7 I	ug/L	10.0	0.84	1	05/17/22 07:46	05/24/22 19:49	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/17/22 07:46	05/24/22 19:49	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/17/22 07:46	05/24/22 19:49	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/17/22 07:46	05/24/22 19:49	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/17/22 07:46	05/24/22 19:49	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/17/22 07:46	05/24/22 19:49	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/17/22 07:46	05/24/22 19:49	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/17/22 07:46	05/24/22 19:49	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/17/22 07:46	05/24/22 19:49	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/17/22 07:46	05/24/22 19:49	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/17/22 07:46	05/24/22 19:49	7440-22-4	
Sodium	2.3	mg/L	2.0	0.54	1	05/17/22 07:46	05/24/22 19:49	7440-23-5	
Vanadium	4.4 I	ug/L	10.0	1.0	1	05/17/22 07:46	05/24/22 19:49	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/17/22 07:46	05/24/22 19:49	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/17/22 07:46	05/19/22 14:10	7440-36-0	
Thallium	0.11 I	ug/L	1.0	0.11	1	05/17/22 07:46	05/19/22 14:10	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/18/22 07:54	05/18/22 14:42	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/25/22 03:33	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/25/22 03:33	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/25/22 03:33	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/25/22 03:33	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/25/22 03:33	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/25/22 03:33	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/25/22 03:33	74-83-9	J(v1)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35717162

Sample: AD25326 4MW6 **Lab ID:** 35717162001 **Collected:** 05/11/22 14:45 **Received:** 05/12/22 15:48 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/25/22 03:33	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/25/22 03:33	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/25/22 03:33	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/25/22 03:33	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/25/22 03:33	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/25/22 03:33	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/25/22 03:33	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/25/22 03:33	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/25/22 03:33	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/25/22 03:33	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/25/22 03:33	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/25/22 03:33	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/25/22 03:33	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/25/22 03:33	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/25/22 03:33	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/25/22 03:33	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/25/22 03:33	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/25/22 03:33	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/25/22 03:33	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/25/22 03:33	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/25/22 03:33	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/25/22 03:33	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/25/22 03:33	74-88-4	
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/25/22 03:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/25/22 03:33	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/25/22 03:33	100-42-5	J(M1)
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/25/22 03:33	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/25/22 03:33	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/25/22 03:33	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/25/22 03:33	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/25/22 03:33	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/25/22 03:33	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/25/22 03:33	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/25/22 03:33	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/25/22 03:33	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/25/22 03:33	108-05-4	
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/25/22 03:33	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/25/22 03:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/25/22 03:33	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		05/25/22 03:33	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/25/22 03:33	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35717162

Sample: AD25326 4MW6		Lab ID: 35717162001		Collected: 05/11/22 14:45		Received: 05/12/22 15:48		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa		Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa							
Total Dissolved Solids	80.0	mg/L	5.0	5.0	1		05/16/22 16:37		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach							
Chloride	5.0	mg/L	5.0	2.5	1		05/23/22 06:23	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/24/22 21:35	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717162

QC Batch: 824937

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717162001

METHOD BLANK: 4533135

Matrix: Water

Associated Lab Samples: 35717162001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/18/22 12:59	

LABORATORY CONTROL SAMPLE: 4533136

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4533137 4533138

Parameter	Units	35717127001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	0.43	0.35	22	18	75-125	21	20	J(M1), J(R1)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35717162

QC Batch:	824591	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717162001

METHOD BLANK: 4530828 Matrix: Water

Associated Lab Samples: 35717162001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	05/24/22 12:27	
Barium	ug/L	0.84 U	10.0	0.84	05/24/22 12:27	
Beryllium	ug/L	0.17 U	4.0	0.17	05/24/22 12:27	
Cadmium	ug/L	0.33 U	1.0	0.33	05/24/22 12:27	
Chromium	ug/L	1.7 U	5.0	1.7	05/24/22 12:27	
Cobalt	ug/L	0.96 U	10.0	0.96	05/24/22 12:27	
Copper	ug/L	2.6 U	5.0	2.6	05/24/22 12:27	
Iron	ug/L	25.0 U	40.0	25.0	05/24/22 12:27	
Lead	ug/L	4.6 U	10.0	4.6	05/24/22 12:27	
Nickel	ug/L	2.1 U	5.0	2.1	05/24/22 12:27	
Selenium	ug/L	3.9 U	15.0	3.9	05/24/22 12:27	
Silver	ug/L	1.0 U	5.0	1.0	05/24/22 12:27	
Sodium	mg/L	0.54 U	2.0	0.54	05/24/22 12:27	
Vanadium	ug/L	1.0 U	10.0	1.0	05/24/22 12:27	
Zinc	ug/L	11.0 U	20.0	11.0	05/24/22 12:27	

LABORATORY CONTROL SAMPLE: 4530829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	239	96	80-120	
Barium	ug/L	250	254	102	80-120	
Beryllium	ug/L	25	24.1	96	80-120	
Cadmium	ug/L	25	25.5	102	80-120	
Chromium	ug/L	250	245	98	80-120	
Cobalt	ug/L	250	250	100	80-120	
Copper	ug/L	250	244	98	80-120	
Iron	ug/L	2500	2490	100	80-120	
Lead	ug/L	250	255	102	80-120	
Nickel	ug/L	250	252	101	80-120	
Selenium	ug/L	250	255	102	80-120	
Silver	ug/L	25	24.2	97	80-120	
Sodium	mg/L	12.5	12.2	97	80-120	
Vanadium	ug/L	250	243	97	80-120	
Zinc	ug/L	1250	1260	101	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717162

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4530830 4530831											
Parameter	Units	35717149001		MS	MSD	MS		MS	MSD	% Rec Limits	Max RPD
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec		
Arsenic	ug/L	3.4 U	250	250	244	243	97	97	75-125	0	20
Barium	ug/L	1.9 I	250	250	259	256	103	102	75-125	1	20
Beryllium	ug/L	0.17 U	25	25	24.7	24.6	99	98	75-125	0	20
Cadmium	ug/L	0.33 U	25	25	25.5	25.6	102	102	75-125	0	20
Chromium	ug/L	2.8 I	250	250	253	252	100	100	75-125	0	20
Cobalt	ug/L	0.96 U	250	250	251	251	100	100	75-125	0	20
Copper	ug/L	2.6 U	250	250	248	249	99	99	75-125	0	20
Iron	ug/L	25.0 U	2500	2500	2520	2520	100	100	75-125	0	20
Lead	ug/L	4.6 U	250	250	258	256	102	101	75-125	1	20
Nickel	ug/L	2.1 U	250	250	253	254	101	101	75-125	0	20
Selenium	ug/L	3.9 U	250	250	253	254	100	100	75-125	1	20
Silver	ug/L	1.0 U	25	25	24.4	24.7	98	99	75-125	1	20
Sodium	mg/L	2.0 I	12.5	12.5	14.6	14.5	101	100	75-125	0	20
Vanadium	ug/L	1.7 I	250	250	252	251	100	100	75-125	0	20
Zinc	ug/L	11.0 U	1250	1250	1250	1260	100	101	75-125	1	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717162

QC Batch: 824590

Analysis Method: EPA 6020

QC Batch Method: EPA 3010

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717162001

METHOD BLANK: 4530824

Matrix: Water

Associated Lab Samples: 35717162001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	05/19/22 13:38	
Thallium	ug/L	0.11 U	1.0	0.11	05/19/22 13:38	

LABORATORY CONTROL SAMPLE: 4530825

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	55.0	110	80-120	
Thallium	ug/L	50	53.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4530826 4530827

Parameter	Units	35717149002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	51.6	52.6	103	105	75-125	2	20	
Thallium	ug/L	0.11 U	50	50	49.2	49.9	98	100	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35717162

QC Batch:	826408	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717162001

METHOD BLANK: 4541581 Matrix: Water

Associated Lab Samples: 35717162001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/24/22 23:46	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/24/22 23:46	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/24/22 23:46	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/24/22 23:46	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/24/22 23:46	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/24/22 23:46	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/24/22 23:46	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/24/22 23:46	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/24/22 23:46	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/24/22 23:46	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/24/22 23:46	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/24/22 23:46	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/24/22 23:46	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/24/22 23:46	
Acetone	ug/L	9.4 U	25.0	9.4	05/24/22 23:46	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/24/22 23:46	
Benzene	ug/L	0.30 U	1.0	0.30	05/24/22 23:46	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/24/22 23:46	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/24/22 23:46	
Bromoform	ug/L	2.8 U	3.0	2.8	05/24/22 23:46	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/24/22 23:46	J(v1)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/24/22 23:46	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/24/22 23:46	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/24/22 23:46	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/24/22 23:46	
Chloroform	ug/L	0.56 U	1.0	0.56	05/24/22 23:46	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/24/22 23:46	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/24/22 23:46	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/24/22 23:46	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/24/22 23:46	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/24/22 23:46	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/24/22 23:46	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/24/22 23:46	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/24/22 23:46	
Styrene	ug/L	0.65 U	1.0	0.65	05/24/22 23:46	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/24/22 23:46	
Toluene	ug/L	0.71 U	1.0	0.71	05/24/22 23:46	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/24/22 23:46	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/24/22 23:46	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/24/22 23:46	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717162

METHOD BLANK: 4541581

Matrix: Water

Associated Lab Samples: 35717162001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/24/22 23:46	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/24/22 23:46	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/24/22 23:46	
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/24/22 23:46	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/24/22 23:46	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130		05/24/22 23:46	
4-Bromofluorobenzene (S)	%	98	70-130		05/24/22 23:46	
Toluene-d8 (S)	%	102	70-130		05/24/22 23:46	

LABORATORY CONTROL SAMPLE: 4541582

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,1-Trichloroethane	ug/L	20	20.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.4	97	68-125	
1,1,2-Trichloroethane	ug/L	20	20.9	105	70-130	
1,1-Dichloroethane	ug/L	20	20.3	102	70-130	
1,1-Dichloroethene	ug/L	20	20.6	103	66-133	
1,2,3-Trichloropropane	ug/L	20	21.6	108	62-127	
1,2-Dichlorobenzene	ug/L	20	20.0	100	70-130	
1,2-Dichloroethane	ug/L	20	19.7	99	70-130	
1,2-Dichloropropane	ug/L	20	21.2	106	70-130	
1,4-Dichlorobenzene	ug/L	20	19.3	97	70-130	
2-Butanone (MEK)	ug/L	100	105	105	47-143	
2-Hexanone	ug/L	100	106	106	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	107	57-132	
Acetone	ug/L	100	99.2	99	46-148	
Acrylonitrile	ug/L	100	91.3	91	60-143	
Benzene	ug/L	20	20.0	100	70-130	
Bromochloromethane	ug/L	20	20.7	104	70-130	
Bromodichloromethane	ug/L	20	21.4	107	70-130	
Bromoform	ug/L	20	20.0	100	49-126	
Bromomethane	ug/L	20	24.2	121	10-165 J(v1)	
Carbon disulfide	ug/L	20	21.0	105	60-141	
Carbon tetrachloride	ug/L	20	20.1	101	63-126	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	21.4	107	71-142	
Chloroform	ug/L	20	20.0	100	70-130	
Chloromethane	ug/L	20	19.7	98	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.0	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.0	105	70-130	
Dibromochloromethane	ug/L	20	21.2	106	62-118	
Dibromomethane	ug/L	20	20.6	103	70-130	
Ethylbenzene	ug/L	20	19.5	97	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717162

LABORATORY CONTROL SAMPLE: 4541582

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	19.8	99	10-164	
Methylene Chloride	ug/L	20	19.3	96	65-136	
Styrene	ug/L	20	17.5	88	70-130	
Tetrachloroethene	ug/L	20	19.1	96	64-134	
Toluene	ug/L	20	20.5	102	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.5	97	68-127	
trans-1,3-Dichloropropene	ug/L	20	22.0	110	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	22.1	110	42-129	
Trichloroethene	ug/L	20	20.8	104	70-130	
Trichlorofluoromethane	ug/L	20	19.4	97	65-135	
Vinyl acetate	ug/L	20	22.4	112	60-144	
Vinyl chloride	ug/L	20	19.1	95	68-131	
Xylene (Total)	ug/L	60	59.9	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 4541586

Parameter	Units	35717162001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	15.6	78	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	16.8	84	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	14.4	72	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	14.5	73	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	15.7	79	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	16.8	84	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	15.8	79	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	14.2	71	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	16.9	84	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	15.7	78	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	14.3	71	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	67.8	68	47-143	
2-Hexanone	ug/L	10.0 U	100	75.8	76	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	76.1	76	57-132	
Acetone	ug/L	9.4 U	100	66.6	67	46-148	
Acrylonitrile	ug/L	11.0 U	100	69.1	69	60-143	
Benzene	ug/L	0.30 U	20	15.2	76	70-130	
Bromochloromethane	ug/L	0.37 U	20	15.1	75	70-130	
Bromodichloromethane	ug/L	0.44 U	20	16.6	83	70-130	
Bromoform	ug/L	2.8 U	20	13.6	68	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	19	10-165 J(v1)	
Carbon disulfide	ug/L	1.8 U	20	15.2	76	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	17.6	88	63-126	
Chlorobenzene	ug/L	0.35 U	20	14.5	73	70-130	
Chloroethane	ug/L	3.7 U	20	16.6	83	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717162

MATRIX SPIKE SAMPLE: 4541586		35717162001	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Chloroform	ug/L	0.56 U	20	15.5	77	70-130	
Chloromethane	ug/L	0.92 U	20	15.2	76	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	15.3	76	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	15.1	76	70-130	
Dibromochloromethane	ug/L	0.97 U	20	15.3	76	62-118	
Dibromomethane	ug/L	0.34 U	20	15.3	77	70-130	
Ethylbenzene	ug/L	0.30 U	20	14.3	71	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	14	10-164	
Methylene Chloride	ug/L	4.4 U	20	15.2	76	65-136	
Styrene	ug/L	0.65 U	20	12.1	61	70-130 J(M1)	
Tetrachloroethene	ug/L	0.38 U	20	13.8	69	64-134	
Toluene	ug/L	0.71 U	20	14.8	74	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	15.2	76	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	14.7	73	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	15.4	77	42-129	
Trichloroethene	ug/L	0.36 U	20	15.2	76	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	19.1	95	65-135	
Vinyl acetate	ug/L	1.8 U	20	13.0	65	60-144	
Vinyl chloride	ug/L	0.88 U	20	15.4	77	68-131	
Xylene (Total)	ug/L	2.1 U	60	42.8	71	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 4541585

Parameter	Units	35717105006	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717162

SAMPLE DUPLICATE: 4541585

Parameter	Units	35717105006 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v1)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	100	100		40	
4-Bromofluorobenzene (S)	%	98	99		40	
Toluene-d8 (S)	%	100	99		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717162

QC Batch:	825706	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717162001

METHOD BLANK: 4537436 Matrix: Water

Associated Lab Samples: 35717162001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/21/22 13:40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/21/22 13:40	

LABORATORY CONTROL SAMPLE: 4537437

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.24	94	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	101	60-140	

MATRIX SPIKE SAMPLE: 4537438

Parameter	Units	35717142002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.26	0.23	88	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0078 U	0.26	0.23	90	60-140	

SAMPLE DUPLICATE: 4537439

Parameter	Units	35717149001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.0066 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0078 U	0.0077 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717162

QC Batch: 824390

QC Batch Method: SM 2540C

Analysis Method: SM 2540C

Analysis Description: 2540C Total Diss. Solids Tampa

Laboratory: Pace Analytical Services - Tampa

Associated Lab Samples: 35717162001

METHOD BLANK: 4529632

Matrix: Water

Associated Lab Samples: 35717162001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/16/22 16:37	

LABORATORY CONTROL SAMPLE: 4529633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	293	98	90-110	

SAMPLE DUPLICATE: 4529634

Parameter	Units	35716688001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	299	297	1	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717162

QC Batch: 826066

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717162001

METHOD BLANK: 4539560

Matrix: Water

Associated Lab Samples: 35717162001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	05/22/22 22:17	

LABORATORY CONTROL SAMPLE: 4539561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.7	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4541638 4541639

Parameter	Units	35718704008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	171	50	50	275	271	208	201	90-110	1	20 L	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4541640 4541641

Parameter	Units	35717149002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.0 I	50	50	49.9	49.7	92	91	90-110	0	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

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35717162

QC Batch:	826611	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717162001

METHOD BLANK: 4542581 Matrix: Water
Associated Lab Samples: 35717162001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/24/22 20:32	

LABORATORY CONTROL SAMPLE: 4542582

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4542584 4542583

Parameter	Units	35717105008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.1	103	104	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4542585 4542586

Parameter	Units	35717127005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	2.1	1	1	3.1	3.1	103	101	90-110	1	20	

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

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QUALIFIERS

Project: Resource Recovery Landfill

Pace Project No.: 35717162

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

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.

ANALYTE QUALIFIERS

- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- U Compound was analyzed for but not detected.
- J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- J(R1) Estimated Value. RPD value was outside control limits.
- J(v1) The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
- L Off-scale high. Actual value is known to be greater than value given.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill

Pace Project No.: 35717162

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35717162001	AD25326 4MW6	EPA 8011	825706	EPA 8011	825873
35717162001	AD25326 4MW6	EPA 3010	824591	EPA 6010	824670
35717162001	AD25326 4MW6	EPA 3010	824590	EPA 6020	824676
35717162001	AD25326 4MW6	EPA 7470	824937	EPA 7470	825014
35717162001	AD25326 4MW6	EPA 8260	826408		
35717162001	AD25326 4MW6	SM 2540C	824390		
35717162001	AD25326 4MW6	EPA 300.0	826066		
35717162001	AD25326 4MW6	EPA 350.1	826611		

REPORT OF LABORATORY ANALYSIS

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed. Submitting a sample via this chain-of-custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://info.pacelabs.com>

Section A: Client Information

Required Client Information:

Invoice Information:

Company: Pasco County Environmental Laboratory

Report To: Ms. Candia E. Mulhern

Company Name:

Regulatory Agency:

Address: 8864 Government Drive

Copy To:

Address:

State/Location:

New Port Richey, FL 34654

Purchase Order #:

Pace Quote:

Florida

Email: (727)847-8902

Project Name: Resource Recovery Landfill

Pace Project Manager: mike.valdez@pacelabs.com

Requested Due Date:

Requested Due Date:

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs must be unique	MATRIX Drinking Water Water Waste Water Product Solid/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	COLLECTED				SAMPLE TEMP AT COLLECTION		Analyses Test	Residual Chlorine (Y/N)																
				MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	START	END	# OF CONTAINERS	Preservatives																		
1	AD25326	4m36		G	5-11 22	1442	5-11 22	1445	9	Unpreserved H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Other	Trip Blank 8260 VOCs Full List APP I 8260 VOCs Full List APP I APP I Metals by 6020 ICPMS, 6010 ICP, HG Trip Blank EDB and DBCP EPA 8011 EDB and DBCP EPA 8011 ammonia Chloride, TDS																
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
REINQUISHED BY / AFFILIATION				DATE				TIME				ACCEPTED BY / AFFILIATION				DATE				TIME				SAMPLE CONDITIONS			

ADDITIONAL COMMENTS: Bottle Kit

RELINQUISHED BY / AFFILIATION: Pace

DATE: 5/11/22

TIME: 1445

ACCEPTED BY / AFFILIATION: Pace

DATE: 5/11/22

TIME: 1616

TEMP in C: 79

Received on Ice (Y/N): Y

Custody Sealed Cooler (Y/N): Y

Samples Intact (Y/N): Y

WO#: 35717162

CUR)

Pace

Project #
Project Manager:
Client:

PM: CLG
CLIENT: PASCOU

Due Date: 05/26/22

Date and Initials of person: Dtt

Examining contents:

Label:

Deliver:

pH:

Thermometer Used: T202

Date: 5-12-22

Time: 1548

Initials: DS

State of Origin: FL

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 11.2 (Visual) +0.2 (Correction Factor) 11.4 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual) Time: Initials:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	Preservative: _____
Exceptions: Vials, Microbiology, O&G, PFAS		Lot #/Trace #: _____
		Date: _____ Time: _____
		Initials: _____
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☐ Yes ☒ No ☐ N/A	

Comments/ Resolution (use back for additional comments):

May 31, 2022

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Landfill
Pace Project No.: 35717508

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on May 13, 2022. 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.

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

- Pace Analytical Services - Ormond Beach
- Pace Analytical Services - Tampa

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

Sincerely,



Chelsea Gagne
chelsea.gagne@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Carissa Dennison, Pasco County Utilities Environmental
Laboratory



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery Landfill

Pace Project No.: 35717508

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Tampa

110 South Bayview Blvd., Tampa, FL 34677

Florida Certification #:E84129

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Resource Recovery Landfill

Pace Project No.: 35717508

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35717508001	AD 25372 4MW3A	Water	05/12/22 11:43	05/13/22 13:34
35717508002	AD 25373 4MW9	Water	05/12/22 15:57	05/13/22 13:34

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill

Pace Project No.: 35717508

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35717508001	AD 25372 4MW3A	EPA 8011	TSW	2	PASI-O
		EPA 6010	AME	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	DDM	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35717508002	AD 25373 4MW9	EPA 8011	TSW	2	PASI-O
		EPA 6010	AME	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	DDM	1	PASI-O
		EPA 350.1	RMB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

PASI-Tp = Pace Analytical Services - Tampa

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35717508

Sample: AD 25372 4MW3A **Lab ID:** 35717508001 **Collected:** 05/12/22 11:43 **Received:** 05/13/22 13:34 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.55 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	05/24/22 15:20	05/25/22 15:21	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	05/24/22 15:20	05/25/22 15:21	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/17/22 08:54	05/23/22 11:33	7440-38-2	
Barium	9.9 I	ug/L	10.0	0.84	1	05/17/22 08:54	05/23/22 11:33	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/17/22 08:54	05/23/22 11:33	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/17/22 08:54	05/23/22 11:33	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/17/22 08:54	05/23/22 11:33	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/17/22 08:54	05/23/22 11:33	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/17/22 08:54	05/23/22 11:33	7440-50-8	
Iron	136	ug/L	40.0	25.0	1	05/17/22 08:54	05/23/22 11:33	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/17/22 08:54	05/23/22 11:33	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/17/22 08:54	05/23/22 11:33	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/17/22 08:54	05/23/22 11:33	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/17/22 08:54	05/23/22 11:33	7440-22-4	
Sodium	9.1	mg/L	2.0	0.54	1	05/17/22 08:54	05/23/22 11:33	7440-23-5	
Vanadium	1.1 I	ug/L	10.0	1.0	1	05/17/22 08:54	05/23/22 11:33	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/17/22 08:54	05/23/22 11:33	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/17/22 08:54	05/19/22 13:32	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/17/22 08:54	05/19/22 13:32	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/23/22 09:29	05/23/22 15:21	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/26/22 17:37	67-64-1	Q
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/26/22 17:37	107-13-1	Q
Benzene	0.30 U	ug/L	1.0	0.30	1		05/26/22 17:37	71-43-2	Q
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/26/22 17:37	74-97-5	Q
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/26/22 17:37	75-27-4	Q
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/26/22 17:37	75-25-2	Q
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/26/22 17:37	74-83-9	J(v2),Q

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35717508

Sample: AD 25372 4MW3A **Lab ID:** 35717508001 **Collected:** 05/12/22 11:43 **Received:** 05/13/22 13:34 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/26/22 17:37	78-93-3	Q
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/26/22 17:37	75-15-0	Q
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/26/22 17:37	56-23-5	Q
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/26/22 17:37	108-90-7	Q
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/26/22 17:37	75-00-3	Q
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/26/22 17:37	67-66-3	Q
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/26/22 17:37	74-87-3	Q
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/26/22 17:37	124-48-1	Q
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/26/22 17:37	74-95-3	Q
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/26/22 17:37	95-50-1	Q
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/26/22 17:37	106-46-7	Q
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/26/22 17:37	110-57-6	Q
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/26/22 17:37	75-34-3	Q
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/26/22 17:37	107-06-2	Q
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/26/22 17:37	75-35-4	Q
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/26/22 17:37	156-59-2	Q
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/26/22 17:37	156-60-5	Q
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/26/22 17:37	78-87-5	Q
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/26/22 17:37	10061-01-5	Q
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/26/22 17:37	10061-02-6	Q
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/26/22 17:37	100-41-4	Q
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/26/22 17:37	591-78-6	Q
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/26/22 17:37	74-88-4	J(v2),Q
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/26/22 17:37	75-09-2	Q
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/26/22 17:37	108-10-1	Q
Styrene	0.65 U	ug/L	1.0	0.65	1		05/26/22 17:37	100-42-5	Q
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/26/22 17:37	630-20-6	Q
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/26/22 17:37	79-34-5	Q
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/26/22 17:37	127-18-4	Q
Toluene	0.71 U	ug/L	1.0	0.71	1		05/26/22 17:37	108-88-3	Q
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/26/22 17:37	71-55-6	Q
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/26/22 17:37	79-00-5	Q
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/26/22 17:37	79-01-6	Q
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/26/22 17:37	75-69-4	Q
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/26/22 17:37	96-18-4	Q
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/26/22 17:37	108-05-4	Q
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/26/22 17:37	75-01-4	Q
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/26/22 17:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		05/26/22 17:37	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		05/26/22 17:37	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/26/22 17:37	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35717508

Sample: AD 25372 4MW3A Lab ID: 35717508001 Collected: 05/12/22 11:43 Received: 05/13/22 13:34 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	222	mg/L	5.0	5.0	1		05/16/22 16:37		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	20.3	mg/L	10.0	5.0	2		05/25/22 00:05	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.16	mg/L	0.050	0.035	1		05/25/22 15:41	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35717508

Sample: AD 25373 4MW9 **Lab ID:** 35717508002 Collected: 05/12/22 15:57 Received: 05/13/22 13:34 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Initial Volume/Weight: 33.94 mL Final Volume/Weight: 2 mL									
Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/24/22 15:20	05/25/22 15:36	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	05/24/22 15:20	05/25/22 15:36	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL									
Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/17/22 08:54	05/23/22 11:37	7440-38-2	
Barium	8.9 I	ug/L	10.0	0.84	1	05/17/22 08:54	05/23/22 11:37	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/17/22 08:54	05/23/22 11:37	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/17/22 08:54	05/23/22 11:37	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/17/22 08:54	05/23/22 11:37	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/17/22 08:54	05/23/22 11:37	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/17/22 08:54	05/23/22 11:37	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	05/17/22 08:54	05/23/22 11:37	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/17/22 08:54	05/23/22 11:37	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/17/22 08:54	05/23/22 11:37	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/17/22 08:54	05/23/22 11:37	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/17/22 08:54	05/23/22 11:37	7440-22-4	
Sodium	10	mg/L	2.0	0.54	1	05/17/22 08:54	05/23/22 11:37	7440-23-5	
Vanadium	1.1 I	ug/L	10.0	1.0	1	05/17/22 08:54	05/23/22 11:37	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/17/22 08:54	05/23/22 11:37	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL									
Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/17/22 08:54	05/19/22 13:35	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/17/22 08:54	05/19/22 13:35	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL									
Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/23/22 09:29	05/23/22 15:23	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/26/22 18:25	67-64-1	Q
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/26/22 18:25	107-13-1	Q
Benzene	0.30 U	ug/L	1.0	0.30	1		05/26/22 18:25	71-43-2	Q
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/26/22 18:25	74-97-5	Q
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/26/22 18:25	75-27-4	Q
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/26/22 18:25	75-25-2	Q
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/26/22 18:25	74-83-9	J(v2),Q

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35717508

Sample: AD 25373 4MW9 **Lab ID:** 35717508002 **Collected:** 05/12/22 15:57 **Received:** 05/13/22 13:34 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/26/22 18:25	78-93-3	Q
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/26/22 18:25	75-15-0	Q
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/26/22 18:25	56-23-5	Q
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/26/22 18:25	108-90-7	Q
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/26/22 18:25	75-00-3	Q
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/26/22 18:25	67-66-3	Q
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/26/22 18:25	74-87-3	Q
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/26/22 18:25	124-48-1	Q
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/26/22 18:25	74-95-3	Q
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/26/22 18:25	95-50-1	Q
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/26/22 18:25	106-46-7	Q
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/26/22 18:25	110-57-6	Q
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/26/22 18:25	75-34-3	Q
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/26/22 18:25	107-06-2	Q
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/26/22 18:25	75-35-4	Q
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/26/22 18:25	156-59-2	Q
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/26/22 18:25	156-60-5	Q
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/26/22 18:25	78-87-5	Q
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/26/22 18:25	10061-01-5	Q
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/26/22 18:25	10061-02-6	Q
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/26/22 18:25	100-41-4	Q
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/26/22 18:25	591-78-6	Q
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/26/22 18:25	74-88-4	J(v2),Q
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/26/22 18:25	75-09-2	Q
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/26/22 18:25	108-10-1	Q
Styrene	0.65 U	ug/L	1.0	0.65	1		05/26/22 18:25	100-42-5	Q
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/26/22 18:25	630-20-6	Q
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/26/22 18:25	79-34-5	Q
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/26/22 18:25	127-18-4	Q
Toluene	0.71 U	ug/L	1.0	0.71	1		05/26/22 18:25	108-88-3	Q
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/26/22 18:25	71-55-6	Q
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/26/22 18:25	79-00-5	Q
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/26/22 18:25	79-01-6	Q
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/26/22 18:25	75-69-4	Q
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/26/22 18:25	96-18-4	Q
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/26/22 18:25	108-05-4	Q
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/26/22 18:25	75-01-4	Q
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/26/22 18:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		05/26/22 18:25	460-00-4	
Toluene-d8 (S)	106	%	70-130		1		05/26/22 18:25	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/26/22 18:25	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35717508

Sample: AD 25373 4MW9		Lab ID: 35717508002		Collected: 05/12/22 15:57		Received: 05/13/22 13:34		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa		Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa							
Total Dissolved Solids	231	mg/L	5.0	5.0	1		05/16/22 16:37		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach							
Chloride	25.2	mg/L	5.0	2.5	1		05/25/22 00:27	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/25/22 15:43	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

QC Batch: 826129

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717508001, 35717508002

METHOD BLANK: 4539683

Matrix: Water

Associated Lab Samples: 35717508001, 35717508002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/23/22 14:37	

LABORATORY CONTROL SAMPLE: 4539684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4539685 4539686

Parameter	Units	35717283002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.0	2.0	101	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

QC Batch: 824621

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717508001, 35717508002

METHOD BLANK: 4530955

Matrix: Water

Associated Lab Samples: 35717508001, 35717508002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	05/23/22 10:18	
Barium	ug/L	0.84 U	10.0	0.84	05/23/22 10:18	
Beryllium	ug/L	0.17 U	4.0	0.17	05/23/22 10:18	
Cadmium	ug/L	0.33 U	1.0	0.33	05/23/22 10:18	
Chromium	ug/L	1.7 U	5.0	1.7	05/23/22 10:18	
Cobalt	ug/L	0.96 U	10.0	0.96	05/23/22 10:18	
Copper	ug/L	2.6 U	5.0	2.6	05/23/22 10:18	
Iron	ug/L	25.0 U	40.0	25.0	05/23/22 10:18	
Lead	ug/L	4.6 U	10.0	4.6	05/23/22 10:18	
Nickel	ug/L	2.1 U	5.0	2.1	05/23/22 10:18	
Selenium	ug/L	3.9 U	15.0	3.9	05/23/22 10:18	
Silver	ug/L	1.0 U	5.0	1.0	05/23/22 10:18	
Sodium	mg/L	0.54 U	2.0	0.54	05/23/22 10:18	
Vanadium	ug/L	1.0 U	10.0	1.0	05/23/22 10:18	
Zinc	ug/L	11.0 U	20.0	11.0	05/23/22 10:18	

LABORATORY CONTROL SAMPLE: 4530956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	236	94	80-120	
Barium	ug/L	250	250	100	80-120	
Beryllium	ug/L	25	23.7	95	80-120	
Cadmium	ug/L	25	24.8	99	80-120	
Chromium	ug/L	250	239	96	80-120	
Cobalt	ug/L	250	246	99	80-120	
Copper	ug/L	250	241	96	80-120	
Iron	ug/L	2500	2430	97	80-120	
Lead	ug/L	250	251	100	80-120	
Nickel	ug/L	250	250	100	80-120	
Selenium	ug/L	250	247	99	80-120	
Silver	ug/L	25	23.6	94	80-120	
Sodium	mg/L	12.5	12.1	96	80-120	
Vanadium	ug/L	250	240	96	80-120	
Zinc	ug/L	1250	1240	99	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4530957 4530958											
Parameter	Units	35717546001		MS	MSD	MS	MSD	MS	MSD	% Rec	Max
		Result	Conc.	Spike	Spike						
				Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD
Arsenic	ug/L	3.4 U	250	250	250	241	245	96	97	75-125	1
Barium	ug/L	3.8 I	250	250	250	251	255	99	100	75-125	1
Beryllium	ug/L	0.17 U	25	25	25	23.6	23.9	94	96	75-125	1
Cadmium	ug/L	0.33 U	25	25	25	24.5	24.6	97	98	75-125	1
Chromium	ug/L	4.2 I	250	250	250	242	244	95	96	75-125	1
Cobalt	ug/L	0.96 U	250	250	250	243	246	97	98	75-125	1
Copper	ug/L	2.6 U	250	250	250	242	245	96	97	75-125	1
Iron	ug/L	25.0 U	2500	2500	2500	2440	2470	97	98	75-125	1
Lead	ug/L	4.6 U	250	250	250	247	247	99	99	75-125	0
Nickel	ug/L	2.1 U	250	250	250	245	247	98	99	75-125	1
Selenium	ug/L	3.9 U	250	250	250	242	245	97	98	75-125	1
Silver	ug/L	1.0 U	25	25	25	23.5	23.8	94	95	75-125	1
Sodium	mg/L	9150 ug/L	12.5	12.5	12.5	21.8	22.0	101	103	75-125	1
Vanadium	ug/L	6.5 I	250	250	250	247	249	96	97	75-125	1
Zinc	ug/L	11.0 U	1250	1250	1250	1220	1220	97	98	75-125	1

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

QC Batch: 824620

Analysis Method: EPA 6020

QC Batch Method: EPA 3010

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717508001, 35717508002

METHOD BLANK: 4530951

Matrix: Water

Associated Lab Samples: 35717508001, 35717508002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	05/19/22 12:31	
Thallium	ug/L	0.11 U	1.0	0.11	05/19/22 12:31	

LABORATORY CONTROL SAMPLE: 4530952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	51.1	102	80-120	
Thallium	ug/L	50	49.9	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4530953 4530954

Parameter	Units	35717939001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	49.8	50.2	99	100	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	49.2	48.3	98	97	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35717508

QC Batch:	827112	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717508001

METHOD BLANK: 4545941 Matrix: Water

Associated Lab Samples: 35717508001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/26/22 10:11	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/26/22 10:11	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/26/22 10:11	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/26/22 10:11	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/26/22 10:11	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/26/22 10:11	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/26/22 10:11	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/26/22 10:11	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/26/22 10:11	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/26/22 10:11	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/26/22 10:11	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/26/22 10:11	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/26/22 10:11	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/26/22 10:11	
Acetone	ug/L	9.4 U	25.0	9.4	05/26/22 10:11	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/26/22 10:11	
Benzene	ug/L	0.30 U	1.0	0.30	05/26/22 10:11	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/26/22 10:11	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/26/22 10:11	
Bromoform	ug/L	2.8 U	3.0	2.8	05/26/22 10:11	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/26/22 10:11	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/26/22 10:11	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/26/22 10:11	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/26/22 10:11	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/26/22 10:11	
Chloroform	ug/L	0.56 U	1.0	0.56	05/26/22 10:11	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/26/22 10:11	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/26/22 10:11	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/26/22 10:11	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/26/22 10:11	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/26/22 10:11	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/26/22 10:11	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/26/22 10:11	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/26/22 10:11	
Styrene	ug/L	0.65 U	1.0	0.65	05/26/22 10:11	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/26/22 10:11	
Toluene	ug/L	0.71 U	1.0	0.71	05/26/22 10:11	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/26/22 10:11	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/26/22 10:11	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/26/22 10:11	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35717508

METHOD BLANK: 4545941

Matrix: Water

Associated Lab Samples: 35717508001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/26/22 10:11	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/26/22 10:11	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/26/22 10:11	
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/26/22 10:11	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/26/22 10:11	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		05/26/22 10:11	
4-Bromofluorobenzene (S)	%	103	70-130		05/26/22 10:11	
Toluene-d8 (S)	%	102	70-130		05/26/22 10:11	

LABORATORY CONTROL SAMPLE: 4545942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.4	97	70-130	
1,1,1-Trichloroethane	ug/L	20	20.5	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	112	68-125	
1,1,2-Trichloroethane	ug/L	20	20.7	104	70-130	
1,1-Dichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethene	ug/L	20	20.9	104	66-133	
1,2,3-Trichloropropane	ug/L	20	21.2	106	62-127	
1,2-Dichlorobenzene	ug/L	20	20.1	100	70-130	
1,2-Dichloroethane	ug/L	20	19.7	98	70-130	
1,2-Dichloropropane	ug/L	20	19.8	99	70-130	
1,4-Dichlorobenzene	ug/L	20	20.2	101	70-130	
2-Butanone (MEK)	ug/L	100	102	102	47-143	
2-Hexanone	ug/L	100	104	104	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	57-132	
Acetone	ug/L	100	108	108	46-148	
Acrylonitrile	ug/L	100	97.3	97	60-143	
Benzene	ug/L	20	19.6	98	70-130	
Bromochloromethane	ug/L	20	20.5	103	70-130	
Bromodichloromethane	ug/L	20	18.8	94	70-130	
Bromoform	ug/L	20	19.4	97	49-126	
Bromomethane	ug/L	20	5.5 I	27	10-165 J(v3)	
Carbon disulfide	ug/L	20	20.8	104	60-141	
Carbon tetrachloride	ug/L	20	19.3	97	63-126	
Chlorobenzene	ug/L	20	19.4	97	70-130	
Chloroethane	ug/L	20	22.3	112	71-142	
Chloroform	ug/L	20	19.8	99	70-130	
Chloromethane	ug/L	20	16.5	82	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.8	104	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.1	100	70-130	
Dibromochloromethane	ug/L	20	19.1	96	62-118	
Dibromomethane	ug/L	20	20.6	103	70-130	
Ethylbenzene	ug/L	20	19.4	97	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

LABORATORY CONTROL SAMPLE: 4545942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	27	10-164	J(v3)
Methylene Chloride	ug/L	20	20.2	101	65-136	
Styrene	ug/L	20	17.3	87	70-130	
Tetrachloroethene	ug/L	20	19.9	100	64-134	
Toluene	ug/L	20	19.6	98	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.3	101	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	16.7	84	42-129	
Trichloroethene	ug/L	20	20.3	102	70-130	
Trichlorofluoromethane	ug/L	20	21.3	106	65-135	
Vinyl acetate	ug/L	20	21.6	108	60-144	
Vinyl chloride	ug/L	20	18.1	91	68-131	
Xylene (Total)	ug/L	60	59.8	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4545944

Parameter	Units	35719429003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	18.0	90	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.9	89	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	19.0	95	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	19.2	96	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	20.5	103	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	17.2	86	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.5	87	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	17.9	90	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	18.7	93	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.5	88	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	80.5	81	47-143	
2-Hexanone	ug/L	10.0 U	100	82.4	82	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	82.7	83	57-132	
Acetone	ug/L	9.4 U	100	83.5	83	46-148	
Acrylonitrile	ug/L	11.0 U	100	72.5	73	60-143	
Benzene	ug/L	0.30 U	20	18.6	93	70-130	
Bromochloromethane	ug/L	0.37 U	20	19.0	95	70-130	
Bromodichloromethane	ug/L	0.44 U	20	17.8	89	70-130	
Bromoform	ug/L	2.8 U	20	17.1	85	49-126	
Bromomethane	ug/L	3.9 U	20	5.9 I	29	10-165 J(v3)	
Carbon disulfide	ug/L	1.8 U	20	20.1	101	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	17.9	90	63-126	
Chlorobenzene	ug/L	0.35 U	20	17.8	89	70-130	
Chloroethane	ug/L	3.7 U	20	19.7	98	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

MATRIX SPIKE SAMPLE: 4545944		35719429003	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Chloroform	ug/L	0.56 U	20	16.7	83	70-130	
Chloromethane	ug/L	0.92 U	20	14.5	72	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	18.8	94	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	17.9	90	70-130	
Dibromochloromethane	ug/L	0.97 U	20	17.1	85	62-118	
Dibromomethane	ug/L	0.34 U	20	19.1	96	70-130	
Ethylbenzene	ug/L	0.30 U	20	17.9	89	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	36	10-164 J(v3)	
Methylene Chloride	ug/L	4.4 U	20	19.0	95	65-136	
Styrene	ug/L	0.65 U	20	15.8	79	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.9	90	64-134	
Toluene	ug/L	0.71 U	20	18.2	91	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	19.0	95	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	18.3	92	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	11.8	59	42-129	
Trichloroethene	ug/L	0.36 U	20	18.8	94	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	18.4	92	65-135	
Vinyl acetate	ug/L	1.8 U	20	15.9	80	60-144	
Vinyl chloride	ug/L	0.88 U	20	16.1	81	68-131	
Xylene (Total)	ug/L	2.1 U	60	54.5	91	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 4545943

Parameter	Units	35719429002	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

SAMPLE DUPLICATE: 4545943

Parameter	Units	35719429002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	99	100		40	
4-Bromofluorobenzene (S)	%	103	102		40	
Toluene-d8 (S)	%	102	101		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35717508

QC Batch:	827153	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717508002

METHOD BLANK: 4546128 Matrix: Water

Associated Lab Samples: 35717508002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/26/22 10:13	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/26/22 10:13	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/26/22 10:13	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/26/22 10:13	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/26/22 10:13	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/26/22 10:13	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/26/22 10:13	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/26/22 10:13	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/26/22 10:13	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/26/22 10:13	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/26/22 10:13	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/26/22 10:13	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/26/22 10:13	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/26/22 10:13	
Acetone	ug/L	9.4 U	25.0	9.4	05/26/22 10:13	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/26/22 10:13	
Benzene	ug/L	0.30 U	1.0	0.30	05/26/22 10:13	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/26/22 10:13	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/26/22 10:13	
Bromoform	ug/L	2.8 U	3.0	2.8	05/26/22 10:13	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/26/22 10:13	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/26/22 10:13	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/26/22 10:13	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/26/22 10:13	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/26/22 10:13	
Chloroform	ug/L	0.56 U	1.0	0.56	05/26/22 10:13	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/26/22 10:13	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/26/22 10:13	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/26/22 10:13	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/26/22 10:13	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/26/22 10:13	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/26/22 10:13	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/26/22 10:13	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/26/22 10:13	
Styrene	ug/L	0.65 U	1.0	0.65	05/26/22 10:13	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/26/22 10:13	
Toluene	ug/L	0.71 U	1.0	0.71	05/26/22 10:13	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/26/22 10:13	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/26/22 10:13	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/26/22 10:13	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35717508

METHOD BLANK: 4546128

Matrix: Water

Associated Lab Samples: 35717508002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/26/22 10:13	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/26/22 10:13	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/26/22 10:13	
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/26/22 10:13	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/26/22 10:13	
1,2-Dichlorobenzene-d4 (S)	%	111	70-130		05/26/22 10:13	
4-Bromofluorobenzene (S)	%	105	70-130		05/26/22 10:13	
Toluene-d8 (S)	%	108	70-130		05/26/22 10:13	

LABORATORY CONTROL SAMPLE: 4546129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.7	94	70-130	
1,1,1-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.0	90	68-125	
1,1,2-Trichloroethane	ug/L	20	18.3	91	70-130	
1,1-Dichloroethane	ug/L	20	17.9	89	70-130	
1,1-Dichloroethene	ug/L	20	19.1	96	66-133	
1,2,3-Trichloropropane	ug/L	20	17.5	88	62-127	
1,2-Dichlorobenzene	ug/L	20	18.5	92	70-130	
1,2-Dichloroethane	ug/L	20	18.5	93	70-130	
1,2-Dichloropropane	ug/L	20	19.8	99	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	100	91.4	91	47-143	
2-Hexanone	ug/L	100	96.5	97	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	89.4	89	57-132	
Acetone	ug/L	100	85.8	86	46-148	
Acrylonitrile	ug/L	100	89.5	89	60-143	
Benzene	ug/L	20	19.7	98	70-130	
Bromochloromethane	ug/L	20	18.4	92	70-130	
Bromodichloromethane	ug/L	20	18.4	92	70-130	
Bromoform	ug/L	20	16.8	84	49-126	
Bromomethane	ug/L	20	6.2 I	31	10-165 J(v3)	
Carbon disulfide	ug/L	20	19.4	97	60-141	
Carbon tetrachloride	ug/L	20	19.1	96	63-126	
Chlorobenzene	ug/L	20	18.5	92	70-130	
Chloroethane	ug/L	20	19.2	96	71-142	
Chloroform	ug/L	20	17.5	88	70-130	
Chloromethane	ug/L	20	17.8	89	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.8	104	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.2	96	70-130	
Dibromochloromethane	ug/L	20	18.1	91	62-118	
Dibromomethane	ug/L	20	18.6	93	70-130	
Ethylbenzene	ug/L	20	18.6	93	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

LABORATORY CONTROL SAMPLE: 4546129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	20	10-164	J(v3)
Methylene Chloride	ug/L	20	19.9	100	65-136	
Styrene	ug/L	20	16.8	84	70-130	
Tetrachloroethene	ug/L	20	16.9	85	64-134	
Toluene	ug/L	20	19.5	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.3	91	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.1	90	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	18.9	94	42-129	
Trichloroethene	ug/L	20	19.7	99	70-130	
Trichlorofluoromethane	ug/L	20	22.6	113	65-135	
Vinyl acetate	ug/L	20	18.8	94	60-144	
Vinyl chloride	ug/L	20	17.0	85	68-131	
Xylene (Total)	ug/L	60	59.5	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 4546131

Parameter	Units	35717283008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	15.3	77	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	16.5	83	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	14.4	72	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	13.8	69	70-130	J(M1)
1,1-Dichloroethane	ug/L	0.34 U	20	14.8	74	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	15.1	76	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	12.9	65	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	13.1	65	70-130	J(M1)
1,2-Dichloroethane	ug/L	0.27 U	20	15.2	76	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	14.9	75	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	12.4	62	70-130	J(M1)
2-Butanone (MEK)	ug/L	6.0 U	100	73.7	74	47-143	
2-Hexanone	ug/L	10.0 U	100	74.3	74	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	70.2	70	57-132	
Acetone	ug/L	9.4 U	100	73.9	74	46-148	
Acrylonitrile	ug/L	11.0 U	100	67.2	67	60-143	
Benzene	ug/L	0.30 U	20	15.1	76	70-130	
Bromochloromethane	ug/L	0.37 U	20	15.2	76	70-130	
Bromodichloromethane	ug/L	0.44 U	20	14.1	70	70-130	
Bromoform	ug/L	2.8 U	20	13.3	66	49-126	
Bromomethane	ug/L	3.9 U	20	4.2 I	21	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	14.1	71	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	14.3	71	63-126	
Chlorobenzene	ug/L	0.35 U	20	14.4	72	70-130	
Chloroethane	ug/L	3.7 U	20	15.8	79	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

MATRIX SPIKE SAMPLE: 4546131		35717283008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	14.0	70	70-130	
Chloromethane	ug/L	0.92 U	20	13.8	69	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	15.4	77	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	13.3	67	70-130	J(M1)
Dibromochloromethane	ug/L	0.97 U	20	14.0	70	62-118	
Dibromomethane	ug/L	0.34 U	20	14.9	75	70-130	
Ethylbenzene	ug/L	0.30 U	20	13.3	67	70-130	J(M1)
Iodomethane	ug/L	9.3 U	20	9.3 U	16	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	16.3	81	65-136	
Styrene	ug/L	0.65 U	20	11.6	58	70-130	J(M1)
Tetrachloroethene	ug/L	0.38 U	20	11.0	55	64-134	J(M1)
Toluene	ug/L	0.71 U	20	15.1	76	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	15.6	78	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	12.9	65	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	11.3	56	42-129	
Trichloroethene	ug/L	0.36 U	20	13.7	69	70-130	J(M1)
Trichlorofluoromethane	ug/L	0.82 U	20	18.9	95	65-135	
Vinyl acetate	ug/L	1.8 U	20	13.0	65	60-144	
Vinyl chloride	ug/L	0.88 U	20	15.8	79	68-131	
Xylene (Total)	ug/L	2.1 U	60	41.8	70	70-130	MS
1,2-Dichlorobenzene-d4 (S)	%				94	70-130	
4-Bromofluorobenzene (S)	%				106	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4546130

Parameter	Units	35717283007	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

SAMPLE DUPLICATE: 4546130

Parameter	Units	35717283007 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	101	100		40	
4-Bromofluorobenzene (S)	%	108	107		40	
Toluene-d8 (S)	%	102	105		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

QC Batch:	826452	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717508001, 35717508002

METHOD BLANK: 4541717 Matrix: Water

Associated Lab Samples: 35717508001, 35717508002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/25/22 11:34	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/25/22 11:34	

LABORATORY CONTROL SAMPLE: 4541718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.25	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	101	60-140	

MATRIX SPIKE SAMPLE: 4541719

Parameter	Units	35717283001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.25	0.24	93	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	0.25	0.24	95	60-140	

SAMPLE DUPLICATE: 4541720

Parameter	Units	35717283002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.0066 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	0.0077 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

QC Batch: 824390

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Diss. Solids Tampa

Laboratory: Pace Analytical Services - Tampa

Associated Lab Samples: 35717508001, 35717508002

METHOD BLANK: 4529632

Matrix: Water

Associated Lab Samples: 35717508001, 35717508002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/16/22 16:37	

LABORATORY CONTROL SAMPLE: 4529633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	293	98	90-110	

SAMPLE DUPLICATE: 4529634

Parameter	Units	35716688001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	299	297	1	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

QC Batch:	826509	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717508001, 35717508002

METHOD BLANK: 4541919 Matrix: Water

Associated Lab Samples: 35717508001, 35717508002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	05/24/22 14:52	

LABORATORY CONTROL SAMPLE: 4541920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.0	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4544690 4544691

Parameter	Units	35718848008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	11.5	50	50	60.3	60.4	98	98	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4544692 4544693

Parameter	Units	35717241002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	19.0	50	50	19.1	18.9	0	0	90-110	1	20 J(M1)	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35717508

QC Batch: 826941

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35717508001, 35717508002

METHOD BLANK: 4544367

Matrix: Water

Associated Lab Samples: 35717508001, 35717508002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/25/22 14:54	

LABORATORY CONTROL SAMPLE: 4544368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4544370 4544369

Parameter	Units	35719021004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.070	1	1	1.1	1.1	103	103	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4544371 4544372

Parameter	Units	35717283006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.72	1	1	1.7	1.7	102	102	90-110	0	20	

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QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35717508

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
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.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
Q	Sample held beyond the accepted holding time.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill

Pace Project No.: 35717508

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35717508001	AD 25372 4MW3A	EPA 8011	826452	EPA 8011	826650
35717508002	AD 25373 4MW9	EPA 8011	826452	EPA 8011	826650
35717508001	AD 25372 4MW3A	EPA 3010	824621	EPA 6010	824698
35717508002	AD 25373 4MW9	EPA 3010	824621	EPA 6010	824698
35717508001	AD 25372 4MW3A	EPA 3010	824620	EPA 6020	824699
35717508002	AD 25373 4MW9	EPA 3010	824620	EPA 6020	824699
35717508001	AD 25372 4MW3A	EPA 7470	826129	EPA 7470	826205
35717508002	AD 25373 4MW9	EPA 7470	826129	EPA 7470	826205
35717508001	AD 25372 4MW3A	EPA 8260	827112		
35717508002	AD 25373 4MW9	EPA 8260	827153		
35717508001	AD 25372 4MW3A	SM 2540C	824390		
35717508002	AD 25373 4MW9	SM 2540C	824390		
35717508001	AD 25372 4MW3A	EPA 300.0	826509		
35717508002	AD 25373 4MW9	EPA 300.0	826509		
35717508001	AD 25372 4MW3A	EPA 350.1	826941		
35717508002	AD 25373 4MW9	EPA 350.1	826941		

REPORT OF LABORATORY ANALYSIS

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WO#: 35717508

CUR)

Project #
Project Manager:
Client:

PM: CLG Due Date: 05/27/22
CLIENT: PASCOU

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH: 5/13/22

Thermometer Used: T202

Date: 5-13-22 Time: 1334 Initials: DS

State of Origin: FL

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. °C 1.5 (Visual) +0.2 (Correction Factor) 1.7 (Actual)

Cooler #2 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. °C (Visual) (Correction Factor) (Actual)

Recheck for OOT °C (Visual) (Correction Factor) (Actual) Time: Initials:

☒ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	Preservative:
Exceptions: Vials, Microbiology, O&G, PFAS		Lot #/Trace #:
		Date: Time:
		Initials:
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☐ Yes ☒ No ☐ N/A	

Comments/ Resolution (use back for additional comments):

May 31, 2022

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Landfill
Pace Project No.: 35718586

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2022. 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.

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

- Pace Analytical Services - Ormond Beach
- Pace Analytical Services - Tampa

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

Sincerely,



Chelsea Gagne
chelsea.gagne@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Carissa Dennison, Pasco County Utilities Environmental
Laboratory



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Tampa

110 South Bayview Blvd., Tampa, FL 34677

Florida Certification #:E84129

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35718586001	AD25519 4MW27D	Water	05/17/22 11:25	05/18/22 15:00
35718586002	AD25521 4MW14D	Water	05/17/22 13:50	05/18/22 15:00
35718586003	AD25522 2MW2	Water	05/17/22 14:43	05/18/22 15:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35718586001	AD25519 4MW27D	EPA 8011	JPD	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	DDM	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35718586002	AD25521 4MW14D	EPA 8011	JPD	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	DDM	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
35718586003	AD25522 2MW2	EPA 8011	JPD	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	LEC	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	DDM	1	PASI-O
		EPA 350.1	RMB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

PASI-Tp = Pace Analytical Services - Tampa

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Sample: AD25519 4MW27D **Lab ID:** 35718586001 **Collected:** 05/17/22 11:25 **Received:** 05/18/22 15:00 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.08 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/27/22 17:03	05/28/22 21:11	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	05/27/22 17:03	05/28/22 21:11	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/19/22 06:47	05/21/22 18:09	7440-38-2	
Barium	10.0	ug/L	10.0	0.84	1	05/19/22 06:47	05/21/22 18:09	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/19/22 06:47	05/21/22 18:09	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/19/22 06:47	05/21/22 18:09	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/19/22 06:47	05/21/22 18:09	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/19/22 06:47	05/21/22 18:09	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/19/22 06:47	05/21/22 18:09	7440-50-8	
Iron	56.1	ug/L	40.0	25.0	1	05/19/22 06:47	05/21/22 18:09	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/19/22 06:47	05/21/22 18:09	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/19/22 06:47	05/21/22 18:09	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/19/22 06:47	05/21/22 18:09	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/19/22 06:47	05/21/22 18:09	7440-22-4	
Sodium	2.6	mg/L	2.0	0.54	1	05/19/22 06:47	05/21/22 18:09	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	05/19/22 06:47	05/21/22 18:09	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/19/22 06:47	05/21/22 18:09	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/19/22 06:47	05/20/22 17:20	7440-36-0	
Thallium	0.22 I	ug/L	1.0	0.11	1	05/19/22 06:47	05/23/22 17:33	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/24/22 10:00	05/25/22 10:46	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/28/22 16:47	67-64-1	J(v1),L3
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/28/22 16:47	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/28/22 16:47	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/28/22 16:47	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/28/22 16:47	75-27-4	J(v1)
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/28/22 16:47	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/28/22 16:47	74-83-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Sample: AD25519 4MW27D **Lab ID:** 35718586001 **Collected:** 05/17/22 11:25 **Received:** 05/18/22 15:00 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/28/22 16:47	78-93-3	J(v1)
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/28/22 16:47	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/28/22 16:47	56-23-5	J(v1)
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/28/22 16:47	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/28/22 16:47	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/28/22 16:47	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/28/22 16:47	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/28/22 16:47	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/28/22 16:47	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/28/22 16:47	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/28/22 16:47	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/28/22 16:47	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/28/22 16:47	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/28/22 16:47	107-06-2	J(v1)
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/28/22 16:47	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/28/22 16:47	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/28/22 16:47	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/28/22 16:47	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/28/22 16:47	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/28/22 16:47	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/28/22 16:47	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/28/22 16:47	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/28/22 16:47	74-88-4	
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/28/22 16:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/28/22 16:47	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/28/22 16:47	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/28/22 16:47	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/28/22 16:47	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/28/22 16:47	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/28/22 16:47	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/28/22 16:47	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/28/22 16:47	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/28/22 16:47	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/28/22 16:47	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/28/22 16:47	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/28/22 16:47	108-05-4	
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/28/22 16:47	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/28/22 16:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/28/22 16:47	460-00-4	
Toluene-d8 (S)	107	%	70-130		1		05/28/22 16:47	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		05/28/22 16:47	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Sample: AD25519 4MW27D Lab ID: 35718586001 Collected: 05/17/22 11:25 Received: 05/18/22 15:00 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	139	mg/L	5.0	5.0	1		05/23/22 16:48		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	5.4	mg/L	5.0	2.5	1		05/28/22 04:15	16887-00-6	J(M1)
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.23	mg/L	0.050	0.035	1		05/27/22 13:38	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Sample: AD25521 4MW14D **Lab ID:** 35718586002 **Collected:** 05/17/22 13:50 **Received:** 05/18/22 15:00 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 33.84 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	05/27/22 17:01	05/28/22 15:13	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	05/27/22 17:01	05/28/22 15:13	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	3.4 U	ug/L	10.0	3.4	1	05/19/22 06:47	05/21/22 18:12	7440-38-2	
Barium	10.2	ug/L	10.0	0.84	1	05/19/22 06:47	05/21/22 18:12	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/19/22 06:47	05/21/22 18:12	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/19/22 06:47	05/21/22 18:12	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/19/22 06:47	05/21/22 18:12	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/19/22 06:47	05/21/22 18:12	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/19/22 06:47	05/21/22 18:12	7440-50-8	
Iron	137	ug/L	40.0	25.0	1	05/19/22 06:47	05/21/22 18:12	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/19/22 06:47	05/21/22 18:12	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/19/22 06:47	05/21/22 18:12	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/19/22 06:47	05/21/22 18:12	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/19/22 06:47	05/21/22 18:12	7440-22-4	
Sodium	8.3	mg/L	2.0	0.54	1	05/19/22 06:47	05/21/22 18:12	7440-23-5	
Vanadium	2.0 I	ug/L	10.0	1.0	1	05/19/22 06:47	05/21/22 18:12	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/19/22 06:47	05/21/22 18:12	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/19/22 06:47	05/20/22 17:21	7440-36-0	
Thallium	0.26 I	ug/L	1.0	0.11	1	05/19/22 06:47	05/23/22 17:35	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/24/22 10:00	05/25/22 10:53	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/28/22 12:08	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/28/22 12:08	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/28/22 12:08	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/28/22 12:08	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/28/22 12:08	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/28/22 12:08	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/28/22 12:08	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Sample: AD25521 4MW14D **Lab ID:** 35718586002 **Collected:** 05/17/22 13:50 **Received:** 05/18/22 15:00 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/28/22 12:08	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/28/22 12:08	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/28/22 12:08	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/28/22 12:08	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/28/22 12:08	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/28/22 12:08	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/28/22 12:08	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/28/22 12:08	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/28/22 12:08	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/28/22 12:08	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/28/22 12:08	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/28/22 12:08	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/28/22 12:08	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/28/22 12:08	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/28/22 12:08	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/28/22 12:08	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/28/22 12:08	156-60-5	J(v1)
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/28/22 12:08	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/28/22 12:08	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/28/22 12:08	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/28/22 12:08	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/28/22 12:08	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/28/22 12:08	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/28/22 12:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/28/22 12:08	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/28/22 12:08	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/28/22 12:08	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/28/22 12:08	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/28/22 12:08	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/28/22 12:08	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/28/22 12:08	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/28/22 12:08	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/28/22 12:08	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/28/22 12:08	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/28/22 12:08	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/28/22 12:08	108-05-4	
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/28/22 12:08	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/28/22 12:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/28/22 12:08	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		05/28/22 12:08	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/28/22 12:08	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Sample: AD25521 4MW14D Lab ID: 35718586002 Collected: 05/17/22 13:50 Received: 05/18/22 15:00 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa									
Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	198	mg/L	5.0	5.0	1		05/23/22 16:48		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	18.4	mg/L	5.0	2.5	1		05/28/22 05:20	16887-00-6	
350.1 Ammonia									
Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/27/22 13:40	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Sample: AD25522 2MW2 **Lab ID:** 35718586003 **Collected:** 05/17/22 14:43 **Received:** 05/18/22 15:00 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Initial Volume/Weight: 34.68 mL Final Volume/Weight: 2 mL Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	05/27/22 17:01	05/28/22 15:43	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	05/27/22 17:01	05/28/22 15:43	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Arsenic	4.4 I	ug/L	10.0	3.4	1	05/19/22 06:47	05/21/22 18:16	7440-38-2	
Barium	25.0	ug/L	10.0	0.84	1	05/19/22 06:47	05/21/22 18:16	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	05/19/22 06:47	05/21/22 18:16	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	05/19/22 06:47	05/21/22 18:16	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	05/19/22 06:47	05/21/22 18:16	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	05/19/22 06:47	05/21/22 18:16	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	05/19/22 06:47	05/21/22 18:16	7440-50-8	
Iron	42.2	ug/L	40.0	25.0	1	05/19/22 06:47	05/21/22 18:16	7439-89-6	
Lead	4.6 U	ug/L	10.0	4.6	1	05/19/22 06:47	05/21/22 18:16	7439-92-1	
Nickel	2.1 U	ug/L	5.0	2.1	1	05/19/22 06:47	05/21/22 18:16	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	05/19/22 06:47	05/21/22 18:16	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	05/19/22 06:47	05/21/22 18:16	7440-22-4	
Sodium	1.9 I	mg/L	2.0	0.54	1	05/19/22 06:47	05/21/22 18:16	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	05/19/22 06:47	05/21/22 18:16	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	05/19/22 06:47	05/21/22 18:16	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Initial Volume/Weight: 50 mL Final Volume/Weight: 50 mL Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	05/19/22 06:47	05/20/22 17:26	7440-36-0	
Thallium	0.11 U	ug/L	1.0	0.11	1	05/19/22 06:47	05/23/22 17:36	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Initial Volume/Weight: 40 mL Final Volume/Weight: 40 mL Pace Analytical Services - Ormond Beach									
Mercury	0.090 U	ug/L	0.20	0.090	1	05/24/22 10:00	05/25/22 10:55	7439-97-6	
8260 MSV Analytical Method: EPA 8260 Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL Pace Analytical Services - Ormond Beach									
Acetone	9.4 U	ug/L	25.0	9.4	1		05/28/22 13:38	67-64-1	
Acrylonitrile	11.0 U	ug/L	20.0	11.0	1		05/28/22 13:38	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		05/28/22 13:38	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		05/28/22 13:38	74-97-5	
Bromodichloromethane	0.44 U	ug/L	1.0	0.44	1		05/28/22 13:38	75-27-4	
Bromoform	2.8 U	ug/L	3.0	2.8	1		05/28/22 13:38	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		05/28/22 13:38	74-83-9	J(v2)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Sample: AD25522 2MW2 **Lab ID:** 35718586003 Collected: 05/17/22 14:43 Received: 05/18/22 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - Ormond Beach									
2-Butanone (MEK)	6.0 U	ug/L	50.0	6.0	1		05/28/22 13:38	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		05/28/22 13:38	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		05/28/22 13:38	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		05/28/22 13:38	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		05/28/22 13:38	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		05/28/22 13:38	67-66-3	
Chloromethane	0.92 U	ug/L	1.0	0.92	1		05/28/22 13:38	74-87-3	
Dibromochloromethane	0.97 U	ug/L	2.0	0.97	1		05/28/22 13:38	124-48-1	
Dibromomethane	0.34 U	ug/L	2.0	0.34	1		05/28/22 13:38	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		05/28/22 13:38	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		05/28/22 13:38	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		05/28/22 13:38	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		05/28/22 13:38	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		05/28/22 13:38	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		05/28/22 13:38	75-35-4	
cis-1,2-Dichloroethene	0.83 U	ug/L	1.0	0.83	1		05/28/22 13:38	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		05/28/22 13:38	156-60-5	J(v1)
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		05/28/22 13:38	78-87-5	
cis-1,3-Dichloropropene	0.51 U	ug/L	1.0	0.51	1		05/28/22 13:38	10061-01-5	
trans-1,3-Dichloropropene	0.89 U	ug/L	1.0	0.89	1		05/28/22 13:38	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		05/28/22 13:38	100-41-4	
2-Hexanone	10.0 U	ug/L	25.0	10.0	1		05/28/22 13:38	591-78-6	
Iodomethane	9.3 U	ug/L	10.0	9.3	1		05/28/22 13:38	74-88-4	J(v2)
Methylene Chloride	4.4 U	ug/L	5.0	4.4	1		05/28/22 13:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		05/28/22 13:38	108-10-1	
Styrene	0.65 U	ug/L	1.0	0.65	1		05/28/22 13:38	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		05/28/22 13:38	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		05/28/22 13:38	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		05/28/22 13:38	127-18-4	
Toluene	0.71 U	ug/L	1.0	0.71	1		05/28/22 13:38	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/28/22 13:38	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		05/28/22 13:38	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		05/28/22 13:38	79-01-6	
Trichlorofluoromethane	0.82 U	ug/L	1.0	0.82	1		05/28/22 13:38	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		05/28/22 13:38	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		05/28/22 13:38	108-05-4	
Vinyl chloride	0.88 U	ug/L	1.0	0.88	1		05/28/22 13:38	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		05/28/22 13:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/28/22 13:38	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		05/28/22 13:38	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/28/22 13:38	2199-69-1	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Sample: AD25522 2MW2 Lab ID: 35718586003 Collected: 05/17/22 14:43 Received: 05/18/22 15:00 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Diss. Solids Tampa Analytical Method: SM 2540C Initial Volume/Weight: 100 mL Final Volume/Weight: 100 mL Pace Analytical Services - Tampa									
Total Dissolved Solids	17.0	mg/L	5.0	5.0	1		05/23/22 16:48		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Initial Volume/Weight: 15 mL Final Volume/Weight: 15 mL Pace Analytical Services - Ormond Beach									
Chloride	4.9 I	mg/L	5.0	2.5	1		05/28/22 05:42	16887-00-6	
350.1 Ammonia Analytical Method: EPA 350.1 Initial Volume/Weight: 10 mL Final Volume/Weight: 10 mL Pace Analytical Services - Ormond Beach									
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		05/27/22 13:42	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

QC Batch: 826379

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35718586001, 35718586002, 35718586003

METHOD BLANK: 4541511

Matrix: Water

Associated Lab Samples: 35718586001, 35718586002, 35718586003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	05/25/22 09:49	

LABORATORY CONTROL SAMPLE: 4541512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4541513 4541514

Parameter	Units	35718331001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.1	2.1	106	103	75-125	2	20	

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

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

QC Batch: 825288

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35718586001, 35718586002, 35718586003

METHOD BLANK: 4535393

Matrix: Water

Associated Lab Samples: 35718586001, 35718586002, 35718586003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	05/21/22 17:04	
Barium	ug/L	0.84 U	10.0	0.84	05/21/22 17:04	
Beryllium	ug/L	0.17 U	4.0	0.17	05/21/22 17:04	
Cadmium	ug/L	0.33 U	1.0	0.33	05/21/22 17:04	
Chromium	ug/L	1.7 U	5.0	1.7	05/21/22 17:04	
Cobalt	ug/L	0.96 U	10.0	0.96	05/21/22 17:04	
Copper	ug/L	2.6 U	5.0	2.6	05/21/22 17:04	
Iron	ug/L	25.0 U	40.0	25.0	05/21/22 17:04	
Lead	ug/L	4.6 U	10.0	4.6	05/21/22 17:04	
Nickel	ug/L	2.1 U	5.0	2.1	05/21/22 17:04	
Selenium	ug/L	3.9 U	15.0	3.9	05/21/22 17:04	
Silver	ug/L	1.0 U	5.0	1.0	05/21/22 17:04	
Sodium	mg/L	0.54 U	2.0	0.54	05/21/22 17:04	
Vanadium	ug/L	1.0 U	10.0	1.0	05/21/22 17:04	
Zinc	ug/L	11.0 U	20.0	11.0	05/21/22 17:04	

LABORATORY CONTROL SAMPLE: 4535394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	247	99	80-120	
Barium	ug/L	250	257	103	80-120	
Beryllium	ug/L	25	24.4	97	80-120	
Cadmium	ug/L	25	25.8	103	80-120	
Chromium	ug/L	250	252	101	80-120	
Cobalt	ug/L	250	252	101	80-120	
Copper	ug/L	250	249	100	80-120	
Iron	ug/L	2500	2510	100	80-120	
Lead	ug/L	250	257	103	80-120	
Nickel	ug/L	250	256	102	80-120	
Selenium	ug/L	250	253	101	80-120	
Silver	ug/L	25	25.0	100	80-120	
Sodium	mg/L	12.5	12.1	96	80-120	
Vanadium	ug/L	250	251	101	80-120	
Zinc	ug/L	1250	1280	102	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4535395 4535396											
Parameter	Units	35718227001		MS	MSD	MS	MSD	MS	MSD	% Rec	Max
		Result	Conc.	Spike	Spike						
						Result	Result	% Rec	% Rec	Limits	RPD
Arsenic	ug/L	3.4 U	250	250	250	251	247	100	99	75-125	2
Barium	ug/L	34.3	250	250	250	294	288	104	102	75-125	2
Beryllium	ug/L	0.17 U	25	25	25	24.6	24.0	98	96	75-125	2
Cadmium	ug/L	0.33 U	25	25	25	25.7	25.4	101	100	75-125	1
Chromium	ug/L	1.7 U	250	250	250	255	251	102	100	75-125	2
Cobalt	ug/L	0.96 U	250	250	250	256	251	102	100	75-125	2
Copper	ug/L	2.6 U	250	250	250	260	255	104	102	75-125	2
Iron	ug/L	3970	2500	2500	2500	6500	6370	101	96	75-125	2
Lead	ug/L	4.6 U	250	250	250	256	250	102	100	75-125	2
Nickel	ug/L	4.7 I	250	250	250	257	253	101	100	75-125	2
Selenium	ug/L	3.9 U	250	250	250	254	250	102	100	75-125	2
Silver	ug/L	1.0 U	25	25	25	25.6	24.9	102	99	75-125	3
Sodium	mg/L	74.1	12.5	12.5	12.5	86.7	84.5	101	83	75-125	3
Vanadium	ug/L	1.0 I	250	250	250	260	255	104	102	75-125	2
Zinc	ug/L	11.0 U	1250	1250	1250	1260	1240	101	99	75-125	1

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

QC Batch:	825287	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35718586001, 35718586002, 35718586003

METHOD BLANK: 4535389 Matrix: Water

Associated Lab Samples: 35718586001, 35718586002, 35718586003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	05/20/22 16:57	
Thallium	ug/L	0.11 U	1.0	0.11	05/23/22 17:46	

LABORATORY CONTROL SAMPLE: 4535390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	46.2	92	80-120	
Thallium	ug/L	50	47.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4535391 4535392

Parameter	Units	35718227002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	45.9	46.9	91	93	75-125	2	20	
Thallium	ug/L	0.21 U	50	50	43.2	44.6	86	89	75-125	3	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35718586

QC Batch:	827475	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35718586001

METHOD BLANK: 4548006 Matrix: Water

Associated Lab Samples: 35718586001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/28/22 09:29	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/28/22 09:29	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/28/22 09:29	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/28/22 09:29	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/28/22 09:29	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/28/22 09:29	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/28/22 09:29	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/28/22 09:29	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/28/22 09:29	J(v1)
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/28/22 09:29	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/28/22 09:29	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/28/22 09:29	J(v1)
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/28/22 09:29	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/28/22 09:29	
Acetone	ug/L	9.4 U	25.0	9.4	05/28/22 09:29	J(v1)
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/28/22 09:29	
Benzene	ug/L	0.30 U	1.0	0.30	05/28/22 09:29	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/28/22 09:29	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/28/22 09:29	J(v1)
Bromoform	ug/L	2.8 U	3.0	2.8	05/28/22 09:29	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/28/22 09:29	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/28/22 09:29	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/28/22 09:29	J(v1)
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/28/22 09:29	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/28/22 09:29	
Chloroform	ug/L	0.56 U	1.0	0.56	05/28/22 09:29	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/28/22 09:29	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/28/22 09:29	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/28/22 09:29	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/28/22 09:29	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/28/22 09:29	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/28/22 09:29	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/28/22 09:29	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/28/22 09:29	
Styrene	ug/L	0.65 U	1.0	0.65	05/28/22 09:29	J(v2)
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/28/22 09:29	
Toluene	ug/L	0.71 U	1.0	0.71	05/28/22 09:29	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/28/22 09:29	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/28/22 09:29	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/28/22 09:29	J(v2)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35718586

METHOD BLANK: 4548006

Matrix: Water

Associated Lab Samples: 35718586001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/28/22 09:29	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/28/22 09:29	J(v1)
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/28/22 09:29	
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/28/22 09:29	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/28/22 09:29	
1,2-Dichlorobenzene-d4 (S)	%	98	70-130		05/28/22 09:29	
4-Bromofluorobenzene (S)	%	101	70-130		05/28/22 09:29	
Toluene-d8 (S)	%	110	70-130		05/28/22 09:29	

LABORATORY CONTROL SAMPLE: 4548007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	95	70-130	
1,1,1-Trichloroethane	ug/L	20	23.8	119	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.0	90	68-125	
1,1,2-Trichloroethane	ug/L	20	18.3	91	70-130	
1,1-Dichloroethane	ug/L	20	22.1	111	70-130	
1,1-Dichloroethene	ug/L	20	22.6	113	66-133	
1,2,3-Trichloropropane	ug/L	20	20.1	100	62-127	
1,2-Dichlorobenzene	ug/L	20	17.1	85	70-130	
1,2-Dichloroethane	ug/L	20	24.5	122	70-130	J(v1)
1,2-Dichloropropane	ug/L	20	20.7	104	70-130	
1,4-Dichlorobenzene	ug/L	20	16.8	84	70-130	
2-Butanone (MEK)	ug/L	100	123	123	47-143	J(v1)
2-Hexanone	ug/L	100	106	106	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	57-132	
Acetone	ug/L	100	283	283	46-148	J(v1),L3
Acrylonitrile	ug/L	100	106	106	60-143	
Benzene	ug/L	20	21.4	107	70-130	
Bromochloromethane	ug/L	20	22.8	114	70-130	
Bromodichloromethane	ug/L	20	24.4	122	70-130	J(v1)
Bromoform	ug/L	20	17.3	86	49-126	
Bromomethane	ug/L	20	21.5	107	10-165	
Carbon disulfide	ug/L	20	20.8	104	60-141	
Carbon tetrachloride	ug/L	20	24.8	124	63-126	J(v1)
Chlorobenzene	ug/L	20	17.9	90	70-130	
Chloroethane	ug/L	20	22.2	111	71-142	
Chloroform	ug/L	20	23.7	118	70-130	
Chloromethane	ug/L	20	21.1	106	40-140	
cis-1,2-Dichloroethene	ug/L	20	21.6	108	70-130	
cis-1,3-Dichloropropene	ug/L	20	22.6	113	70-130	
Dibromochloromethane	ug/L	20	19.5	97	62-118	
Dibromomethane	ug/L	20	21.1	106	70-130	
Ethylbenzene	ug/L	20	17.6	88	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

LABORATORY CONTROL SAMPLE: 4548007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	20.8	104	10-164	
Methylene Chloride	ug/L	20	21.2	106	65-136	
Styrene	ug/L	20	15.5	78	70-130	J(v2)
Tetrachloroethene	ug/L	20	17.6	88	64-134	
Toluene	ug/L	20	17.9	89	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.8	109	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.6	98	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	15.7	79	42-129	J(v2)
Trichloroethene	ug/L	20	22.0	110	70-130	
Trichlorofluoromethane	ug/L	20	25.7	128	65-135	J(v1)
Vinyl acetate	ug/L	20	22.0	110	60-144	
Vinyl chloride	ug/L	20	20.6	103	68-131	
Xylene (Total)	ug/L	60	53.2	89	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			109	70-130	

MATRIX SPIKE SAMPLE: 4548009

Parameter	Units	35719710002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	18.9	94	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	26.2	131	70-130	J(M1)
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.1	85	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.1	91	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	24.0	120	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	25.8	129	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	19.0	95	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	16.7	84	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	24.3	121	70-130	J(v1)
1,2-Dichloropropane	ug/L	0.23 U	20	22.7	114	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	16.8	84	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	111	111	47-143	J(v1)
2-Hexanone	ug/L	10.0 U	100	100	100	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	101	101	57-132	
Acetone	ug/L	9.4 U	100	118	118	46-148	J(v1)
Acrylonitrile	ug/L	11.0 U	100	100	100	60-143	
Benzene	ug/L	0.30 U	20	21.8	109	70-130	
Bromochloromethane	ug/L	0.37 U	20	22.4	112	70-130	
Bromodichloromethane	ug/L	0.44 U	20	25.1	125	70-130	J(v1)
Bromoform	ug/L	2.8 U	20	17.8	89	49-126	
Bromomethane	ug/L	3.9 U	20	11.6	58	10-165	
Carbon disulfide	ug/L	1.8 U	20	24.1	121	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	27.3	136	63-126	J(M1),J(v1)
Chlorobenzene	ug/L	0.35 U	20	18.0	90	70-130	
Chloroethane	ug/L	3.7 U	20	18.6	93	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

MATRIX SPIKE SAMPLE: 4548009		35719710002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	23.6	118	70-130	
Chloromethane	ug/L	0.92 U	20	21.0	105	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	21.5	108	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	23.5	117	70-130	
Dibromochloromethane	ug/L	0.97 U	20	19.9	99	62-118	
Dibromomethane	ug/L	0.34 U	20	21.4	107	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.2	91	70-130	
Iodomethane	ug/L	9.3 U	20	14.3	72	10-164	
Methylene Chloride	ug/L	4.4 U	20	21.8	109	65-136	
Styrene	ug/L	0.65 U	20	15.3	77	70-130 J(v2)	
Tetrachloroethene	ug/L	0.38 U	20	18.7	94	64-134	
Toluene	ug/L	0.71 U	20	18.6	93	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	23.5	118	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	19.9	99	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	13.5	68	42-129 J(v2)	
Trichloroethene	ug/L	0.36 U	20	23.2	116	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	27.5	137	65-135 J(M1),J(v1)	
Vinyl acetate	ug/L	1.8 U	20	20.9	104	60-144	
Vinyl chloride	ug/L	0.88 U	20	21.9	109	68-131	
Xylene (Total)	ug/L	2.1 U	60	56.7	94	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				105	70-130	
Toluene-d8 (S)	%				109	70-130	

SAMPLE DUPLICATE: 4548008

Parameter	Units	35719710001	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40 J(v1)	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40 J(v1)	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40 J(v1)	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

SAMPLE DUPLICATE: 4548008

Parameter	Units	35719710001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	J(v1)
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	J(v1)
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	J(v2)
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	99	99		40	
4-Bromofluorobenzene (S)	%	95	99		40	
Toluene-d8 (S)	%	113	114		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

QC Batch: 827476

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35718586002, 35718586003

METHOD BLANK: 4548010

Matrix: Water

Associated Lab Samples: 35718586002, 35718586003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	05/28/22 09:54	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/28/22 09:54	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	05/28/22 09:54	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	05/28/22 09:54	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	05/28/22 09:54	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	05/28/22 09:54	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	05/28/22 09:54	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	05/28/22 09:54	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	05/28/22 09:54	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	05/28/22 09:54	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	05/28/22 09:54	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	05/28/22 09:54	
2-Hexanone	ug/L	10.0 U	25.0	10.0	05/28/22 09:54	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	05/28/22 09:54	
Acetone	ug/L	9.4 U	25.0	9.4	05/28/22 09:54	
Acrylonitrile	ug/L	11.0 U	20.0	11.0	05/28/22 09:54	
Benzene	ug/L	0.30 U	1.0	0.30	05/28/22 09:54	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	05/28/22 09:54	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	05/28/22 09:54	
Bromoform	ug/L	2.8 U	3.0	2.8	05/28/22 09:54	
Bromomethane	ug/L	3.9 U	10.0	3.9	05/28/22 09:54	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	05/28/22 09:54	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	05/28/22 09:54	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	05/28/22 09:54	
Chloroethane	ug/L	3.7 U	10.0	3.7	05/28/22 09:54	J(v1)
Chloroform	ug/L	0.56 U	1.0	0.56	05/28/22 09:54	
Chloromethane	ug/L	0.92 U	1.0	0.92	05/28/22 09:54	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	05/28/22 09:54	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	05/28/22 09:54	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	05/28/22 09:54	
Dibromomethane	ug/L	0.34 U	2.0	0.34	05/28/22 09:54	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	05/28/22 09:54	
Iodomethane	ug/L	9.3 U	10.0	9.3	05/28/22 09:54	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	05/28/22 09:54	
Styrene	ug/L	0.65 U	1.0	0.65	05/28/22 09:54	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	05/28/22 09:54	
Toluene	ug/L	0.71 U	1.0	0.71	05/28/22 09:54	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	05/28/22 09:54	J(v1)
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	05/28/22 09:54	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	05/28/22 09:54	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

METHOD BLANK: 4548010

Matrix: Water

Associated Lab Samples: 35718586002, 35718586003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	05/28/22 09:54	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	05/28/22 09:54	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	05/28/22 09:54	
Vinyl chloride	ug/L	0.88 U	1.0	0.88	05/28/22 09:54	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	05/28/22 09:54	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		05/28/22 09:54	
4-Bromofluorobenzene (S)	%	102	70-130		05/28/22 09:54	
Toluene-d8 (S)	%	102	70-130		05/28/22 09:54	

LABORATORY CONTROL SAMPLE: 4548011

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.9	100	70-130	
1,1,1-Trichloroethane	ug/L	20	20.0	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.3	106	68-125	
1,1,2-Trichloroethane	ug/L	20	19.9	99	70-130	
1,1-Dichloroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethene	ug/L	20	21.3	107	66-133	
1,2,3-Trichloropropane	ug/L	20	20.5	103	62-127	
1,2-Dichlorobenzene	ug/L	20	20.0	100	70-130	
1,2-Dichloroethane	ug/L	20	19.6	98	70-130	
1,2-Dichloropropane	ug/L	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/L	20	20.0	100	70-130	
2-Butanone (MEK)	ug/L	100	96.4	96	47-143	
2-Hexanone	ug/L	100	105	105	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	107	57-132	
Acetone	ug/L	100	105	105	46-148	
Acrylonitrile	ug/L	100	88.7	89	60-143	
Benzene	ug/L	20	20.1	100	70-130	
Bromochloromethane	ug/L	20	20.4	102	70-130	
Bromodichloromethane	ug/L	20	19.4	97	70-130	
Bromoform	ug/L	20	18.5	92	49-126	
Bromomethane	ug/L	20	3.9 U	13	10-165 J(v3)	
Carbon disulfide	ug/L	20	22.2	111	60-141	
Carbon tetrachloride	ug/L	20	18.6	93	63-126	
Chlorobenzene	ug/L	20	20.1	100	70-130	
Chloroethane	ug/L	20	24.0	120	71-142 J(v1)	
Chloroform	ug/L	20	19.3	96	70-130	
Chloromethane	ug/L	20	16.0	80	40-140	
cis-1,2-Dichloroethene	ug/L	20	18.8	94	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.3	101	70-130	
Dibromochloromethane	ug/L	20	18.9	94	62-118	
Dibromomethane	ug/L	20	20.4	102	70-130	
Ethylbenzene	ug/L	20	20.3	102	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

LABORATORY CONTROL SAMPLE: 4548011

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	29	10-164	J(v3)
Methylene Chloride	ug/L	20	21.3	107	65-136	
Styrene	ug/L	20	17.7	89	70-130	
Tetrachloroethene	ug/L	20	20.0	100	64-134	
Toluene	ug/L	20	20.4	102	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.6	93	68-127	J(v1)
trans-1,3-Dichloropropene	ug/L	20	20.8	104	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	14.9	74	42-129	
Trichloroethene	ug/L	20	21.0	105	70-130	
Trichlorofluoromethane	ug/L	20	22.7	114	65-135	
Vinyl acetate	ug/L	20	20.2	101	60-144	
Vinyl chloride	ug/L	20	20.4	102	68-131	
Xylene (Total)	ug/L	60	61.7	103	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4548013

Parameter	Units	35719318021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	18.1	90	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.8	94	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.4	92	70-130	
1,1-Dichloroethane	ug/L	8.2	20	27.2	95	70-130	
1,1-Dichloroethene	ug/L	1.0	20	21.8	104	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	20.1	100	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.7	88	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	19.1	95	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.1	95	70-130	
1,4-Dichlorobenzene	ug/L	0.51 I	20	18.4	89	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	88.7	89	47-143	
2-Hexanone	ug/L	10.0 U	100	98.4	98	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	99.4	99	57-132	
Acetone	ug/L	9.4 U	100	92.2	92	46-148	
Acrylonitrile	ug/L	11.0 U	100	86.1	86	60-143	
Benzene	ug/L	0.30 U	20	19.6	98	70-130	
Bromochloromethane	ug/L	0.37 U	20	18.8	94	70-130	
Bromodichloromethane	ug/L	0.44 U	20	18.2	91	70-130	
Bromoform	ug/L	2.8 U	20	16.6	83	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	14	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	21.6	108	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	18.2	91	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.8	94	70-130	
Chloroethane	ug/L	3.7 U	20	22.4	112	71-142	J(v1)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

MATRIX SPIKE SAMPLE: 4548013

Parameter	Units	35719318021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.56 U	20	16.9	85	70-130	
Chloromethane	ug/L	0.92 U	20	13.1	65	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	18.6	93	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	18.2	91	70-130	
Dibromochloromethane	ug/L	0.97 U	20	17.3	86	62-118	
Dibromomethane	ug/L	0.34 U	20	18.9	94	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.6	93	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	37	10-164 J(v3)	
Methylene Chloride	ug/L	4.4 U	20	19.9	99	65-136	
Styrene	ug/L	0.65 U	20	16.2	81	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.7	93	64-134	
Toluene	ug/L	0.71 U	20	19.2	96	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.2	91	68-127 J(v1)	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	18.3	92	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	11.9	59	42-129	
Trichloroethene	ug/L	0.36 U	20	19.6	98	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	20.0	100	65-135	
Vinyl acetate	ug/L	1.8 U	20	18.4	92	60-144	
Vinyl chloride	ug/L	21.2	20	37.5	81	68-131	
Xylene (Total)	ug/L	2.1 U	60	56.9	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 4548012

Parameter	Units	35719318020 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	3.1	3.1	2	40	
1,1-Dichloroethene	ug/L	0.68 I	0.63 I		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acrylonitrile	ug/L	11.0 U	11.0 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

SAMPLE DUPLICATE: 4548012

Parameter	Units	35719318020 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	J(v1)
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	J(v1)
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	98	100		40	
4-Bromofluorobenzene (S)	%	102	102		40	
Toluene-d8 (S)	%	102	103		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

QC Batch:	827538	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35718586002, 35718586003

METHOD BLANK: 4548223 Matrix: Water

Associated Lab Samples: 35718586002, 35718586003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/28/22 14:13	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/28/22 14:13	

LABORATORY CONTROL SAMPLE: 4548224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.32	130	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.32	128	60-140	

MATRIX SPIKE SAMPLE: 4548225

Parameter	Units	35719141007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	<0.0065	0.25	0.29	117	60-140	
1,2-Dibromoethane (EDB)	ug/L	<0.0077	0.25	0.28	111	60-140	

SAMPLE DUPLICATE: 4548226

Parameter	Units	35718586002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.0066 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0078 U	0.0077 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

QC Batch: 827542

Analysis Method: EPA 8011

QC Batch Method: EPA 8011

Analysis Description: 8011 EDB DBCP

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35718586001

METHOD BLANK: 4548238

Matrix: Water

Associated Lab Samples: 35718586001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	05/28/22 20:41	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	05/28/22 20:41	

LABORATORY CONTROL SAMPLE: 4548239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.27	108	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.26	106	60-140	

MATRIX SPIKE SAMPLE: 4548240

Parameter	Units	35719538001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.26	0.32	123	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	0.26	0.31	119	60-140	

SAMPLE DUPLICATE: 4548241

Parameter	Units	35719538002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.0066 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.0078 U		40	

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

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

QC Batch: 826188

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Diss. Solids Tampa

Laboratory: Pace Analytical Services - Tampa

Associated Lab Samples: 35718586001, 35718586002, 35718586003

METHOD BLANK: 4539843

Matrix: Water

Associated Lab Samples: 35718586001, 35718586002, 35718586003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	05/23/22 16:48	

LABORATORY CONTROL SAMPLE: 4539844

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	295	98	90-110	

SAMPLE DUPLICATE: 4539845

Parameter	Units	35718586001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	139	137	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

QC Batch: 827522

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35718586001, 35718586002, 35718586003

METHOD BLANK: 4548143

Matrix: Water

Associated Lab Samples: 35718586001, 35718586002, 35718586003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	05/28/22 03:10	

LABORATORY CONTROL SAMPLE: 4548144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.5	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4550920 4550921

Parameter	Units	35718586001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.4	50	50	49.0	46.7	87	82	90-110	5	20	J(M1)

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

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill

Pace Project No.: 35718586

QC Batch: 827518

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35718586001, 35718586002, 35718586003

METHOD BLANK: 4548121

Matrix: Water

Associated Lab Samples: 35718586001, 35718586002, 35718586003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	05/27/22 13:06	

LABORATORY CONTROL SAMPLE: 4548122

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4548124 4548123

Parameter	Units	35720502001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.81	1	1	1.8	1.8	103	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4548125 4548126

Parameter	Units	35718492001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.0	1.0	102	101	90-110	1	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

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QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35718586

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
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.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(v1)	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill

Pace Project No.: 35718586

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35718586001	AD25519 4MW27D	EPA 8011	827542	EPA 8011	827687
35718586002	AD25521 4MW14D	EPA 8011	827538	EPA 8011	827686
35718586003	AD25522 2MW2	EPA 8011	827538	EPA 8011	827686
35718586001	AD25519 4MW27D	EPA 3010	825288	EPA 6010	825355
35718586002	AD25521 4MW14D	EPA 3010	825288	EPA 6010	825355
35718586003	AD25522 2MW2	EPA 3010	825288	EPA 6010	825355
35718586001	AD25519 4MW27D	EPA 3010	825287	EPA 6020	825354
35718586002	AD25521 4MW14D	EPA 3010	825287	EPA 6020	825354
35718586003	AD25522 2MW2	EPA 3010	825287	EPA 6020	825354
35718586001	AD25519 4MW27D	EPA 7470	826379	EPA 7470	826745
35718586002	AD25521 4MW14D	EPA 7470	826379	EPA 7470	826745
35718586003	AD25522 2MW2	EPA 7470	826379	EPA 7470	826745
35718586001	AD25519 4MW27D	EPA 8260	827475		
35718586002	AD25521 4MW14D	EPA 8260	827476		
35718586003	AD25522 2MW2	EPA 8260	827476		
35718586001	AD25519 4MW27D	SM 2540C	826188		
35718586002	AD25521 4MW14D	SM 2540C	826188		
35718586003	AD25522 2MW2	SM 2540C	826188		
35718586001	AD25519 4MW27D	EPA 300.0	827522		
35718586002	AD25521 4MW14D	EPA 300.0	827522		
35718586003	AD25522 2MW2	EPA 300.0	827522		
35718586001	AD25519 4MW27D	EPA 350.1	827518		
35718586002	AD25521 4MW14D	EPA 350.1	827518		
35718586003	AD25522 2MW2	EPA 350.1	827518		

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Pace

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelab.com>

CHAIN-OF-CUSTODY / Analytical Request Doc

WC#: 35718586



35718586

Section A

Required Client Information:

Company: Pasco County Environmental Laboratory
 Address: 8864 Government Drive
 New Port Richey, FL 34654
 Email: cmulhern@pascocountyfl.net
 Phone: (727) 847-8902 Fax:
 Requested Due Date:

Section B

Required Project Information:

Report To: Candia Mulhern
 Copy To:
 Purchase Order #:
 Project Name: Resource Recovery Landfill
 Project #:

Section C

Invoice Information:

Attention:
 Company Name:
 Address:
 Pace Quote:
 Pace Project Manager: chelsea.gagne@pacelabs.com
 Pace Profile #: 942-1

Regulatory Agency:

State / Location:

Florida

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 /, -) Sample Ids must be unique	MATRIX CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	MATRIX CODE (see valid codes to left)		SAMPLE TYPE (G=GRAB C=COMP)		COLLECTED				SAMPLE TEMP AT COLLECTION										Analyses Test										Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
			START	END	DATE	TIME	DATE	TIME	# OF CONTAINERS	Preservatives																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	AD25519	4mw 270	6	5-17	11:42	5-17	11:25	10	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	8260 VOCs Full List APP I	App I Metals+Fe,Na,Hg (6010, 6020, 7470)	8011 EDB & DBCP	350.1 AMMONIA	2540C TDS	300.0 Chloride	8260 Trip Blank	8011 Trip Blank																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)



WO#: 35718586

(UR)

Project #
Project Manager:
Client:

PM: CLG Due Date: 06/02/22
CLIENT: PASCOU

Date and Initials of person: PH
Examining contents:
Label: 5.18.22
Deliver: ✓
pH: ✓

Thermometer Used: T202

Date: 5-18-22

Time: 1500

Initials: OS

State of Origin: FL

☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 2.6 (Visual) +0.2 (Correction Factor) 2.8 (Actual)

Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Time: _____ Initials: _____

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other _____

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority
☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	Preservative: _____
Exceptions: Vials, Microbiology, O&G, PFAS		Lot #/Trace #: _____
		Date: _____ Time: _____
		Initials: _____
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☐ Yes ☒ No ☐ N/A	

Comments/ Resolution (use back for additional comments):

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2381		SAMPLE ID: 2MW-1	DATE: 5/10/22

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 8.5 feet to 18.5 feet		STATIC DEPTH TO WATER (feet): DRY		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (18.50 feet – DRY feet) X 0.16 gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.00			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1520				DRY							
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
PUMP OR TUBING DEPTH IN WELL (feet): 14.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 49.95 ft						Water Level (N.G.V.D.) = DRY						
LABORATORY I.D. = ad 25236												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2382		DATE: 5/17/22	
SAMPLE ID: 2MW-2			

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 29.5 feet to 34.5 feet		STATIC DEPTH TO WATER (feet): 22.0		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (34.50 feet – 22.0 feet) X 0.16 gallons/foot = 2.5 gallons2											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.00			PURGING INITIATED AT: 1414		PURGING ENDED AT: 1438		TOTAL VOLUME PURGED (gallons): 8	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1420	2	2	.33	23.9	7.23	25.70	68	8.31	0.02	clear	none
1426	2	4	.33	23.9	5.93	25.26	67	8.59	0.09	Clear	None
1432	2	6	.33	23.9	5.31	24.97	67	8.62	0.36	Clear	None
1438	2	8	.33	23.9	5.33	24.70	67	8.60	0.30	clear	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S):  TUBING MATERIAL CODE: PE/T			SAMPLING INITIATED AT: 1440		SAMPLING ENDED AT :1443			
PUMP OR TUBING DEPTH IN WELL (feet): 14.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 56.41 ft Water Level (N.G.V.D.) = 34.41												
LABORATORY I.D. =ad 25522												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 19671		SAMPLE ID: 2MW-3A	DATE: 4/21/22

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
PUMP OR TUBING DEPTH IN WELL (feet): 7.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 50.01 Water Level (N.G.V.D.) = DRY												
LABORATORY I.D. = ad 24485												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2383		SAMPLE ID: 2MW-4	DATE: 4/21/22

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 10.5 feet to 15.5 feet		STATIC DEPTH TO WATER (feet): DRY		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (15.50 feet – DRY feet) X 0.16 gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.49			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.49			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1510				DRY							
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
PUMP OR TUBING DEPTH IN WELL (feet): 9.49				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 54.77 Water Level (N.G.V.D.) = DRY												
LABORATORY I.D. = ad 24486												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2384		SAMPLE ID: 2MW-5	
		DATE: 4/21/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 4.0 feet to 8.0 feet		STATIC DEPTH TO WATER (feet): DRY		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (8.0 feet – DRY feet) X 0.16 gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):			FINAL PUMP OR TUBING DEPTH IN WELL (feet):			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1525				DRY							
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4		<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3		<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 49.17 ft Water Level (N.G.V.D.) = DRY												
LABORATORY I.D. = ad 24487												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2385		DATE: 4/21/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 20.0 feet to 30.0 feet			STATIC DEPTH TO WATER (feet): DRY			PURGE PUMP TYPE OR BAILER: BP		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (30.0 feet – DRY feet) X 0.16 gallons/foot = gallons												
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + gallons = gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19.00			PURGING INITIATED AT:			PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	
1440				DRY								
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016												
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)												

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
PUMP OR TUBING DEPTH IN WELL (feet): 19.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 56.11 ft DSRY LABORATORY I.D. =ad 24484												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2343		SAMPLE ID: 2MW-7	DATE: 5/10/22

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 6.0 feet to 12.0 feet		STATIC DEPTH TO WATER (feet): DRY		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (12.0 feet – DRY feet) X 0.16 gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.00			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm <u>or</u> nS/cm	DISSOLVED OXYGEN (circle units) mg/L <u>or</u> % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1500				DRY							
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:		SAMPLING ENDED AT:		
PUMP OR TUBING DEPTH IN WELL (feet): 9.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm		
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP			
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP			
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP			
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP			
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP			
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP			
REMARKS: Well T.O.P. Elevation N.G.V.D. = 52.75 ft Water Level (N.G.V.D.) = DRY											
LABORATORY I.D. =ad 25235											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2344		DATE: 5/10/22	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
PUMP OR TUBING DEPTH IN WELL (feet): 10.70				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 51.97 ft Water Level (N.G.V.D.) = DRY												
LABORATORY I.D. = ad 25234												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2345		SAMPLE ID: 2MW-9	
		DATE:	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 4.0 feet to 11.0 feet		STATIC DEPTH TO WATER (feet): DRY		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (11.00 feet – DRY feet) X 0.16 gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.00			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet): 5.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP		
REMARKS: : Well T.O.P. Elevation N.G.V.D. = 52.29 ft Water Level (N.G.V.D.) = DRY										
LABORATORY I.D. =										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2346		SAMPLE ID: 2MW-10	
		DATE:	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:	SAMPLING ENDED AT:				
PUMP OR TUBING DEPTH IN WELL (feet): 6.00				TUBING MATERIAL CODE: PE/T		FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: NA mm				
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP				
REMARKS: Well T.O.P. Elevation N.G.V.D. = 52.63 ft Water Level (N.G.V.D.) = DRY												
LABORATORY I.D. =												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2515		SAMPLE ID: 2MW-13D	
		DATE: 4/27/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 7.8 feet to 17.3 feet		STATIC DEPTH TO WATER (feet): 24.00		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (40.00 feet – 24.00 feet) X 0.16 gallons/foot = 2.56 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.00			PURGING INITIATED AT: 1226		PURGING ENDED AT: 1302		TOTAL VOLUME PURGED (gallons): 12	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1235	3	3	.33	24.5	7.29	27.91	419	2.97	4.36	Clear	None
1244	3	6	.33	24.5	7.26	27.68	420	2.64	3.87	Clear	None
1253	3	9	.33	24.5	7.26	27.82	419	2.86	1.93	Clear	None
1302	3	12	.33	24.5	7.26	27.93	420	2.87	1.53	clear	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:1305		SAMPLING ENDED AT:1308	
PUMP OR TUBING DEPTH IN WELL (feet): 12.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP		
REMARKS: Well T.O.P. Elevation N.G.V.D. = 52.39 ft Water Level (N.G.V.D.) = 28.39										
LABORATORY I.D. = ad 24714										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 19766		SAMPLE ID: 2MW-15DA	
		DATE: 4/27/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 34.0 feet to 44.0 feet		STATIC DEPTH TO WATER (feet):21.53		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (44.00 feet – 21.53 feet) X 0.16 gallons/foot = 3.59 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30..30			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30.30			PURGING INITIATED AT:8.29		PURGING ENDED AT:917		TOTAL VOLUME PURGED (gallons):16	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
841	4	4	.33	21.55	6.93	24.84	295	4.51	3.67	Clear	Bad
853	4	8	.33	21.55	7.14	25.13	291	4.44	2.25	Clear	Bad
905	4	12	.33	21.55	7.30	15.16	292	4.44	1.22	Clear	Bad
917	4	16	.33	21.55	7.31	25.19	292	4.45	0.92	clear	bad
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 9:20		SAMPLING ENDED AT: 9:23	
PUMP OR TUBING DEPTH IN WELL (feet): 30.30				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP		
REMARKS: Well T.O.P. Elevation N.G.V.D. = 54.71 ft Water Level (N.G.V.D.) = 33.18										
LABORATORY I.D. = ad 24709										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

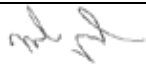
DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 19758		SAMPLE ID: 2MW-17S	
		DATE: 5/3/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 23.0 feet to 38.0 feet		STATIC DEPTH TO WATER (feet): 26.3		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (41.00 feet – 26.3 feet) X 0.16 gallons/foot = 2.3 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35.00			PURGING INITIATED AT:816		PURGING ENDED AT:840		TOTAL VOLUME PURGED (gallons):8	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
822	2	2	.33	26.3	6.78	24.59	268	6.94	2.18	Clear	Bad
828	2	4	.33	26.3	6.81	24.83	261	7.08	1.26	Clear	Bad
834	2	6	.33	26.3	6.77	24.86	259	7.09	0.68	Clear	Bad
840	2	8	.33	26.3	6.76	24.87	258	7.11	0.48	clear	bad
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S):  TUBING MATERIAL CODE: PE/T			SAMPLING INITIATED AT: 842		SAMPLING ENDED AT: 845			
PUMP OR TUBING DEPTH IN WELL (feet): 35.00				FIELD-FILTERED: Y N Filtration Equipment Type:			FILTER SIZE: <u>NA</u> mm					
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 53.42 ft Water Level (N.G.V.D.) = 27.12												
LABORATORY I.D. = ad 24924												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 19759		DATE: 5.322	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 25.0 feet to 40.0 feet		STATIC DEPTH TO WATER (feet): 27.63		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (40.00 feet – 27.63 feet) X 0.16 gallons/foot = 1.97 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 34.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34.00			PURGING INITIATED AT:859		PURGING ENDED AT:927		TOTAL VOLUME PURGED (gallons):8	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
905	2	2	.33	27.64	6.98	24.69	465	3.31	2.06	Clear	Bad
911	2	4	.33	27.64	7.17	24.73	464	3.32	1.62	Clear	Bad
919	2	6	.33	27.61	7.23	24.75	466	3.17	1.42	Clear	Bad
927	2	8	.33	27.61	7.24	24.73	463	3.19	1.43	clear	bad
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:930		SAMPLING ENDED AT:933	
PUMP OR TUBING DEPTH IN WELL (feet): 34.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP		
REMARKS: Well T.O.P. Elevation N.G.V.D. = 52.75 ft Water Level (N.G.V.D.) = 25.12										
LABORATORY I.D. =ad 24925										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 19764		SAMPLE ID: 2MW-19D	
		DATE: 5/3/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 45.0 feet to 55.0 feet		STATIC DEPTH TO WATER (feet): 24.05		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (55.0 feet – 24.05 feet) X 0.16 gallons/foot = 4.9 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30.60			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30.60			PURGING INITIATED AT: 945		PURGING ENDED AT: 1025		TOTAL VOLUME PURGED (gallons): 20	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
955	5	5	.5	24.65	7.31	25.43	431	3.40	0.99	Clear	Bad
1005	5	10	.5	24.65	7.32	25.49	429	3.35	0.46	Clear	Bad
1015	5	15	.5	24.65	7.33	25.56	429	3.36	0.03	Clear	None
1025	5	20	.5	24.65	7.34	25.69	429	3.34	0.01	clear	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:1027		SAMPLING ENDED AT:1030	
PUMP OR TUBING DEPTH IN WELL (feet): 30.60				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4		<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3		<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP		
REMARKS: Well T.O.P. Elevation N.G.V.D. = 52.25 ft Water Level (N.G.V.D.) = 31.20										
LABORATORY I.D. = ad 24926										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 23443		SAMPLE ID: 2MW-24S	
		DATE: 5/4/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 11.0 feet to 26.0 feet		STATIC DEPTH TO WATER (feet): DRY		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (26.00 feet – DRY feet) X 0.16 gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20.00			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1120				DRY							
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S):  TUBING MATERIAL CODE: PE/T			SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
PUMP OR TUBING DEPTH IN WELL (feet): 20.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 50.37 ft						Water Level (N.G.V.D.) = DRY						
LABORATORY I.D. = ad 24989												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 23444		DATE: 5/4/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 34.0 feet to 44.0 feet		STATIC DEPTH TO WATER (feet): 20.7		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (44.00 feet – 20.7 feet) X 0.16 gallons/foot = 3.7 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35.20			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35.20			PURGING INITIATED AT:10.14		PURGING ENDED AT:1102		TOTAL VOLUME PURGED (gallons):16	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1026	4	4	.33	20.7	7.46	25.79	492	3.50	0.60	Clear	Bad
1038	4	8	.33	20.7	7.48	25.57	489	2.41	0.41	Clear	Bad
1050	4	12	.33	20.7	7.47	25.86	484	2.38	0.03	Clear	Bad
1102	4	16	.33	20.7	7.49	25.88	489	2.40	0.02	clear	bad
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:1104		SAMPLING ENDED AT:1107	
PUMP OR TUBING DEPTH IN WELL (feet): 35.20				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP		
REMARKS: Well T.O.P. Elevation N.G.V.D. = 50.55 ft Water Level (N.G.V.D.) = 29.85										
LABORATORY I.D. = :ad 24988										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 23446		SAMPLE ID: 2MW-25D	
		DATE: 5/4/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 17.0 feet to 32.0 feet		STATIC DEPTH TO WATER (feet): 17.75		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (32.00 feet – 17.75 feet) X 0.16 gallons/foot = 2.28 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.00			PURGING INITIATED AT:903		PURGING ENDED AT:927		TOTAL VOLUME PURGED (gallons):8	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
909	2	2	.33	17.75	7.03	26.83	580	2.43	5.16	Clear	Bad
915	2	4	.33	17.75	6.96	27.03	586	2.64	1.94	Clear	Bad
921	2	6	.33	17.75	6.97	27.07	587	2.41	1.21	Clear	Bad
927	2	8	.33	17.75	6.97	27.09	586	2.43	0.64	clear	bad
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:929		SAMPLING ENDED AT:932			
PUMP OR TUBING DEPTH IN WELL (feet): 26.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 47.87 ft							Water Level (N.G.V.D.) = 29.82					
LABORATORY I.D. = ad 24987												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 23445		DATE: 05/4/22	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
PUMP OR TUBING DEPTH IN WELL (feet): 8.50				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: NA mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP				
REMARKS: Well T.O.P. Elevation N.G.V.D. = 47.84 ft						Water Level (N.G.V.D.) = DRY						
LABORATORY I.D. = ad 24990												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 23448		DATE: 5/4/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 42.0 feet to 52.0 feet		STATIC DEPTH TO WATER (feet): 23.65		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (52.00 feet – 23.65 feet) X 0.16 gallons/foot = 4.5 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30.00			PURGING INITIATED AT:800		PURGING ENDED AT:840		TOTAL VOLUME PURGED (gallons):20	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
810	5	5	.5	23.67	7.11	25.09	476	5.90	0.35	Clear	Bad
820	5	10	.5	23.67	7.08	25.55	505	3.35	0.63	Clear	Bad
830	5	15	.5	23.67	7.06	25.64	508	2.48	0.17	Clear	Bad
840	5	20	.5	23.67	7.06	25.70	508	2.49	0.04	clear	bad
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:842		SAMPLING ENDED AT:845			
PUMP OR TUBING DEPTH IN WELL (feet): 30.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 54.13 ft						Water Level (N.G.V.D.) = 30.48						
LABORATORY I.D. = ad 24986												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

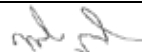
DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 23447		DATE: 5/4/22	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 10.0 feet to 20.0 feet		STATIC DEPTH TO WATER (feet): DRY		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (20.00 feet – DRY feet) X 0.16 gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.00			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1140				DRY							
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:	SAMPLING ENDED AT:				
PUMP OR TUBING DEPTH IN WELL (feet): 14.00				TUBING MATERIAL CODE: PE/T		FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: NA mm				
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP				
REMARKS: Well T.O.P. Elevation N.G.V.D. = 54.16 ft Water Level (N.G.V.D.) = DRY												
LABORATORY I.D. = ad 24991												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

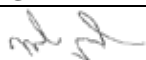
DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 23449		SAMPLE ID: 2MW-27S	DATE: 5/17/22

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 8.0 feet to 18.0 feet		STATIC DEPTH TO WATER (feet): DRY		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (20.00 feet – DRY feet) X 0.16 gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.00			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1130				DRY							
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
PUMP OR TUBING DEPTH IN WELL (feet): 12.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 50.44 Water Level (N.G.V.D.) = DRY												
LABORATORY I.D. =ad 25520												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 23450		DATE: 5/5/22	
SAMPLE ID: 2MW-27D			

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 27.0 feet to 42.0 feet		STATIC DEPTH TO WATER (feet): 18.40		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (42.00 feet – 18.40 feet) X 0.16 gallons/foot = 3.77 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30.00			PURGING INITIATED AT:754		PURGING ENDED AT:842		TOTAL VOLUME PURGED (gallons):16	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
806	4	4	.33	18.41	76.11	24.61	590	3.33	7.91	Clear	None
818	4	8	.33	18.41	7.09	24.94	590	2.50	3.42	Clear	None
830	4	12	.33	18.41	7.11	25.05	589	2.58	1.73	Clear	None
842	4	16	.33	18.41	7.12	25.12	590	2.57	0.82	clear	noe
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): [Signature]			SAMPLING INITIATED AT: 844		SAMPLING ENDED AT: 847			
PUMP OR TUBING DEPTH IN WELL (feet): 30.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: NA mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1	HDPE	1 Liter	Wet Ice	NA					SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA					EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2				Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2				Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2				App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA					8011 EDB; DBCP	BP	
REMARKS: Well T.O.P. Elevation N.G.V.D. = 50.32 ft						Water Level (N.G.V.D.) = 31.92						
LABORATORY I.D. = ad 25064												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; BFP = Backflow Preventer Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

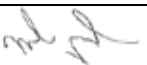
DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2386		SAMPLE ID: 4MW-1	
DATE: 5/3/22			

PURGING DATA

WELL DIAMETER (inches): 4"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 32.0 feet to 60.0 feet		STATIC DEPTH TO WATER (feet): 16.6		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (60.00 feet – 16.6 feet) X 0.65 gallons/foot = 28.2 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 27.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 27.00			PURGING INITIATED AT: 12:15		PURGING ENDED AT: 15:59		TOTAL VOLUME PURGED (gallons): 112	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1311	28	28	.5	16.7	7.36	25.92	766	2.83	0.34	Clear	BAD
1407	28	56	.5	16.7	7.38	26.27	770	2.20	0.10	Clear	BAD
1503	28	84	.5	16.75	7.39	25.89	771	1.86	0.11	Clear	BAD
1559	28	112	.5	16.75	7.40	26.43	770	1.86	0.38	clear	BAD
								1.85			
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 16:01		SAMPLING ENDED AT: 16:04	
PUMP OR TUBING DEPTH IN WELL (feet): 27.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N		FILTER SIZE: NA mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP		
REMARKS: WELL T.O.P. ELEVATION (N.G.V.D.) = 50.34 ft WATER LEVEL (N.G.V.D.) = 33.74										
LABORATORY I.D. = ad										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2387	SAMPLE ID: 4MW-2		DATE: 5/2/22

WELL DIAMETER (inches): 4"			TUBING DIAMETER (inches): ½"			WELL SCREEN INTERVAL DEPTH: 42.0 feet to 70.0 feet		STATIC DEPTH TO WATER (feet): 21.85		PURGE PUMP TYPE OR BAILER: BP	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) 31.2 = (70.00 feet – 21.85 feet) X 0.65 gallons/foot = 31.2 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42.20			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42.20			PURGING INITIATED AT: 830		PURGING ENDED AT: 1238		TOTAL VOLUME PURGED (gallons): 124	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
931	31	31	.5	21.85	6.85	24.10	216	3.35	0.20	Clear	None
1034	31	62	.5	21.85	7.44	25.12	215	3.04	0.18	Clear	None
1136	31	93	.5	21.85	7.54	25.13	214	2.91	0.21	Clear	None
1238	31	124	.5	21.86	7.53	24.95	217	2.89	0.03	clear	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:1240		SAMPLING ENDED AT:1243	
PUMP OR TUBING DEPTH IN WELL (feet): 42.20				TUBING MATERIAL CODE: PE/IT			FIELD-FILTERED: Y N		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS		BP	
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0		BP	
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia		BP	
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na		BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs		BP	
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP		BP	
REMARKS: WELL T.O.P. ELEVATION (N.G.V.D.) = 56.11 ft WATER LEVEL (N.G.V.D.) = 34.26										
LABORATORY I.D. = ad										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 19670		SAMPLE ID: 4MW-3A	
		DATE: 5/12/22	

WELL DIAMETER (inches): 4"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 22.0 feet to 50.0 feet		STATIC DEPTH TO WATER (feet): 24.8		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (50.00 feet - 24.8 feet) X 0.65 gallons/foot = 16.38 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33.40			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 33.40			PURGING INITIATED AT: 930		PURGING ENDED AT: 1138		TOTAL VOLUME PURGED (gallons): 64	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1002	16	16	.5	24.8	7.41	23.30	425	2.01	0.34	Clear	None
1034	16	32	.5	24.9	7.35	23.56	428	2.41	0.35	Clear	None
1106	16	48	.5	24.9	7.33	23.48	428	2.40	0.31	Clear	None
1138	16	64	.5	24.9	7.31	23.58	429	2.39	0.28	clear	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:1140		SAMPLING ENDED AT:1143	
PUMP OR TUBING DEPTH IN WELL (feet): 33.40				TUBING MATERIAL CODE: PE/IT			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP		
REMARKS: WELL T.O.P. ELEVATION (N.G.V.D.) = 52.92 ft										
LABORATORY I.D. = ad 25372										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2388		SAMPLE ID: 4MW-4	
		DATE: 5/2/22	

PURGING DATA

WELL DIAMETER (inches): 4"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 22.0 feet to 50.0 feet		STATIC DEPTH TO WATER (feet):		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (50.00 feet – 23.6 feet) X 0.65 gallons/foot = 17.1 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 38.90			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 38.90			PURGING INITIATED AT:1335		PURGING ENDED AT:1609		TOTAL VOLUME PURGED (gallons):68	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or $\mu S/cm$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1413	17	17	.5	23.65	7.30	26.27	425	3.65	1.36	Clear	None
1457	17	34	.5	23.65	7.21	25.98	427	3.70	1.94	Clear	None
1531	17	51	.5	23.65	7.77	26.21	427	3.29	1.29	Clear	None
1609	17	68	.5	23.65	7.75	26.18	427	3.31	1.46	clear	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:1611		SAMPLING ENDED AT:1614	
PUMP OR TUBING DEPTH IN WELL (feet): 38.90				TUBING MATERIAL CODE: PE/IT			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: NA mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP		
REMARKS: WELL T.O.P. ELEVATION (N.G.V.D.) = 50.81 ft WATER LEVEL (N.G.V.D.) =27.21										
LABORATORY I.D. =ad 24869										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+ 0.2$ mg/L or $+ 10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+ 5$ NTU or $+ 10\%$ (whichever is greater)

Revision Date: March 1, 2014

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2390		SAMPLE ID: 4MW-6	
		DATE: 4/21/22	

WELL DIAMETER (inches): 4"	TUBING DIAMETER (inches): ½"	WELL SCREEN INTERVAL DEPTH: 73.0 feet to 100.0 feet	STATIC DEPTH TO WATER (feet): 24.00	PURGE PUMP TYPE OR BAILER: BP
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EQUIPMENT VOLUME PURGE:	1 EQUIPMENT VOL.	= PUMP VOLUME + (TUBING CAPACITY	X	TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)		= 0.26 gallons + (0.010 gallons/foot X		feet) + 0 gallons = gallons

[illegible]

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT:1422	SAMPLING ENDED AT:1425
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FIELD DECONTAMINATION:	PUMP	Y	N	TUBING	Y	N (replaced)	DUPLICATE:	Y	N
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SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION (including wet ice)	INTENDED	SAMPLING	SAMPLE PUMP
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SAMPLE CONTAINER OR EQUIPMENT				SAMPLE PRESERVATION (including volume)			ANALYSIS AND/OR METHOD	EQUIPMENT CODE	SAMPLE FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP	

REMARKS: WELL T.O.P. ELEVATION (N.G.V.D.) = 55.95 ft WATER LEVEL (N.G.V.D.) = 31.95

LABORATORY I.D. =ad 24483

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump;
 RFPP = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:1552		SAMPLING ENDED AT:1555	
PUMP OR TUBING DEPTH IN WELL (feet): 31.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP		
REMARKS: WELL T.O.P. ELEVATION (N.G.V.D.) = 51.87 ft WATER LEVEL (N.G.V.D.) =25.57										
LABORATORY ID: pad 25102										

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP	

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:1029		SAMPLING ENDED AT:1032	
PUMP OR TUBING DEPTH IN WELL (feet): 46.00				TUBING MATERIAL CODE: PE/IT			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP		

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+ 0.2$ mg/L or $+ 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally $+ 5$ NTU or $+ 10\%$ (whichever is greater)

Revision Date: March 1, 2014

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2511		SAMPLE ID: 4MW-12D	
		DATE: 4/27/22	

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:1123		SAMPLING ENDED AT:1125	
PUMP OR TUBING DEPTH IN WELL (feet): 30.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Revision Date: March 1, 2014

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 19214	SAMPLE ID: 4MW-13D		DATE: 4/27/22

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 26.0 feet to 36.0 feet			STATIC DEPTH TO WATER (feet): DRY		PURGE PUMP TYPE OR BAILER: BP		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (36.00 feet – DRY feet) X 0.16 gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30.00			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUS)	COLOR (describe)	ODOR (describe)
1230				DRY							
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet): 30.00				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP		

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+ 0.2$ mg/L or $+ 10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+ 5$ NTU or $+ 10\%$ (whichever is greater)

Revision Date: March 1, 2014

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 2512		SAMPLE ID: 4MW-14D	
		DATE: 5/17/22	

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): ½"		WELL SCREEN INTERVAL DEPTH: 25.0 feet to 50.0 feet		STATIC DEPTH TO WATER (feet): 22.15		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (50.00 feet – 22.15 feet) X 0.16 gallons/foot = 4.4 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 44.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 44.00			PURGING INITIATED AT:1245		PURGING ENDED AT:1345		TOTAL VOLUME PURGED (gallons):20	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1300	5	5	.33	22.26	7.57	27.90	381	2.84	3.89	Clear	Bad
1315	5	10	.33	22.26	7.51	27.60	382	2.08	3.98	Clear	Bad
1330	5	15	.33	22.26	7.52	28.23	380	2.17	4.63	Clear	Bad
1345	5	20	.33	22.26	7.52	28.10	382	2.18	2.98	clear	bad
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:1347		SAMPLING ENDED AT:1350	
PUMP OR TUBING DEPTH IN WELL (feet): 44.00				TUBING MATERIAL CODE: PE/T		FIELD-FILTERED: Y N		FILTER SIZE: <u>NA</u> mm		
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)		DUPLICATE: Y N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP		
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP		

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:1014:		SAMPLING ENDED AT:1017	
PUMP OR TUBING DEPTH IN WELL (feet): 30.30				TUBING MATERIAL CODE: PE/IT			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: <u>NA</u> mm	
FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced)				DUPLICATE: Y N						
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP		

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT:1106		SAMPLING ENDED AT:1109			
PUMP OR TUBING DEPTH IN WELL (feet): 30.20				TUBING MATERIAL CODE: PE/T			FIELD-FILTERED: Y N		FILTER SIZE: NA mm			
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	FLOW RATE (mL per minute)
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP	
REMARKS: WELL T.O.P. ELEVATION (N.G.V.D.) = 49.60 ft WATER LEVEL (N.G.V.D.) = 32.1									
LABORATORY I.D. = ad 25065									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

62-160.800 F.A.C.

Revision Date: March 1, 2014

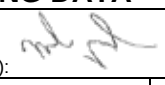
DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: RESOURCE RECOVERY (WEST PASCO LF)		SITE LOCATION: HAYS ROAD, SPRING HILL, FL	
WELL NO: 23452		SAMPLE ID: 4MW-27D	
DATE: 5/16/22 AND 5/17/22			

PURGING DATA

WELL DIAMETER (inches): 4"		TUBING DIAMETER (inches): 1/2"		WELL SCREEN INTERVAL DEPTH: 146.0 feet to 156.0 feet		STATIC DEPTH TO WATER (feet): 17.9		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (156.00 feet - 17.9 feet) X 0.65 gallons/foot = 89.7 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= 0.26 gallons + (0.010 gallons/foot X feet) + 0 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 78.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 78.00			PURGING INITIATED AT: 830		PURGING ENDED AT: 1630		TOTAL VOLUME PURGED (gallons): 240	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or nS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1130	90	90	.5	17.9	7.43	25.28	276	3.15	0.08	Clear	None
1430	90	180	.5	17.9	7.42	26.26	275	3.09	0.14	Clear	None
1630	90	240	.5	17.9	7.47	27.01	274	3.18	0.27	clear	none
On 5/17/22	5/17/22	Finished	purge		started	purging	720am				
1020	90	90	.5	17.9	7.38	25.25	283	3.45	0.06	Clear	None
1120	90	120	.5	17.9	7.37	25.67	279	3.47	0.02	clear	none
		5/17/22	AD#	25519			NGVD	31.38			
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Greg Torrey / Pasco County Environmental Lab		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 1122		SAMPLING ENDED AT: 1125	
PUMP OR TUBING DEPTH IN WELL (feet): 78.00		TUBING MATERIAL CODE: PE/T		FIELD-FILTERED: Y N		FILTER SIZE: NA mm	
FIELD DECONTAMINATION: PUMP Y N		TUBING Y N (replaced)		DUPLICATE: Y N			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	HDPE	1 Liter	Wet Ice	NA		SM2540C – TDS	BP	
	1	HDPE	250 mls	Wet Ice	NA		EPA 300.0	BP	
	2	HDPE	250 mls	H2SO4	PACE	<2	Nitrate/Ammonia	BP	
	1	HDPE	250 mls	HNO3	PACE	<2	Metals; Fe Hg Na	BP	
	3	CG	40 mls	HCl	0.25 mls 1:1 HCl	<2	App I VOCs	BP	
	3	CG	40 mls	Wet Ice	NA		8011 EDB; DBCP	BP	
REMARKS: WELL T.O.P. ELEVATION (N.G.V.D.) = 49.28 ft WATER LEVEL (N.G.V.D.) =31.38									
LABORATORY I.D. =ad 25519									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

62-160.800 F.A.C.

Revision Date: March 1, 2014