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

13 January 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 II, 2021

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
10. Export Document

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

Sincerely,

Candia E. Mulhern
Laboratory Manager

cc: Charles Cullen, PI Engineering Director
Justin Roessler, Solid Waste Director

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.

01/13/2021 (Date)

Candia E. Mulhern (Owner or Authorized Representative's Signature)

Digitally signed by Candia E. Mulhern
Date: 2022.01.13 15:22:42 -05'00'

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

18 Jan 2022

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

Office (727) 847-8902
Fax (727) 847-8112

DHRS #E44123

Case Narrative

CLIENT: Pasco County Solid Waste
Pasco County Resource Recovery
Facility #: 45799
Date Sampled: 09 November 2021

I. SAMPLING

Laboratory field staff began sampling the groundwater monitoring wells at the Pasco County Resource Recovery Facility on November 9th, 2021. Many of the surficial wells were dry indicating that there was no surficial aquifer present. Turbidity was not measured in the field due to meter failure. Samples for turbidity were measured in the Pasco County Laboratory. Otherwise, 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 ≤ 6°C. Samples were processed by the Sample Custody section of the laboratory. Nitrate nitrite, and turbidity 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 and Turbidity were determined at the Pasco County Environmental Laboratory.

IV. QUALITY CONTROL

There were no significant quality control problems unless noted in the attached QC reports. The stabilization parameters and sampling logs have been updated to ensure that the appropriate information is included in the logs.

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. Any elevated concentrations of monitoring parameters were limited to Iron, DO and pH, with iron being slightly (482 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 (12.6 mg/L) was observed in groundwater monitoring well 2MW-17S. This appears to be an anomaly as it is very rare to observe elevated levels of nitrate at this site. 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

PASCO COUNTY FLORIDA
OPEN SPACES. VIBRANT PLACES.

Environmental Laboratory
8864 Government Dr.
New Port Richey, Fl 34654

PASCO COUNTY RESOURCE RECOVERY
EXCEEDED ANALYTES
Semester II, 2021

Office (727) 847-8902
Fax (727) 847-8112
DHRS #E44123

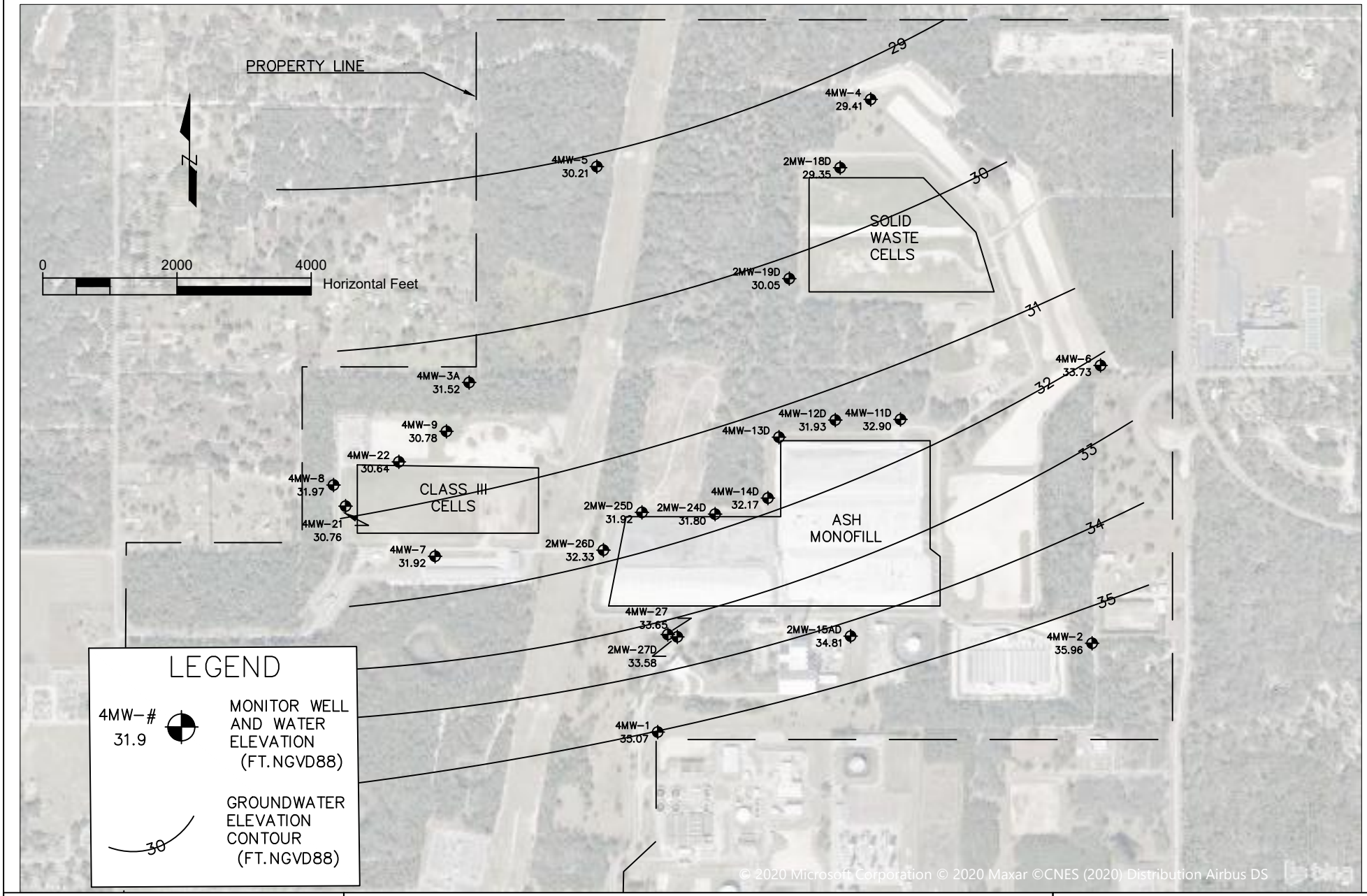
WELL #	SAMPLE DATE	ANALYTE	RESULT	UNITS	REANALYZED	RESULT	UNITS
2MW-2	9-Nov-21	pH	3.57	std units	No	---	---
		DO	8.98	mg/L	No	---	---
2MW-17S	10-Nov-21	pH	5.75	std units	No	---	---
		DO	7.36	mg/L	No	---	---
		Nitrate	12.6	mg/L	No	---	---
2MW-24D	2-Dec-21	pH	6.26	std units	No	---	---
2MW-25D	2-Dec-21	pH	6.34	std units	No	---	---
4MW-1	16-Dec-21	pH	6.32	std units	No	---	---
4MW-21	29-Nov-21	pH	4.78	std units	No	---	---
		DO	6.65	mg/L	No	---	---
4MW-23	2-Dec-21	Iron	482	ug/L	No	---	---

RESOURCE RECOVERY

WATER LEVEL 2021 SEMIANNUAL

WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.	WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.
2MW1	4-Nov	1125	49.95	DRY	#VALUE!	**2MW-13D**	4-Nov	1012	52.39	DRY	#VALUE!
4MW1	4-Nov	1120	50.34	15.27	35.07	**4MW-13D**	4-Nov	1000	54.04	DRY	#VALUE!
2MW2	4-Nov	0813	56.41	19.90	36.51	**4MW-14D**	4-Nov	0943	52.00	19.83	32.17
4MW2	4-Nov	0817	56.11	20.15	35.96	**2MW-15DA**	4-Nov	0755	54.71	19.90	34.81
2MW3A	4-Nov	1407	50.01	DRY	#VALUE!	**2MW-17S**	4-Nov	0830	53.42	23.90	29.52
4MW3A	4-Nov	1415	52.92	21.40	31.52	**2MW-18D**	4-Nov	0836	52.75	23.40	29.35
2MW4	4-Nov	1046	54.77	DRY	#VALUE!	**2MW-19D**	4-Nov	0846	52.25	22.20	30.05
4MW4	4-Nov	1040	50.81	21.40	29.41	**4MW 21**	4-Nov	1100	51.46	20.70	30.76
2MW5	4-Nov	1053	49.17	DRY	#VALUE!	**4MW 22**	4-Nov	1107	53.44	22.80	30.64
4MW5	4-Nov	1100	49.06	18.85	30.21	**2MW-24S**	4-Nov	1310	50.37	18.50	31.87
2MW6	4-Nov	0805	56.11	DRY	#VALUE!	**2MW-24D**	4-Nov	1315	50.55	18.75	31.80
4MW6	4-Nov	0810	55.93	22.20	33.73	**2MW-25S**	4-Nov	1325	47.84	DRY	#VALUE!
2MW7	4-Nov	915	52.75	DRY	#VALUE!	**2MW-25D**	4-Nov	1335	47.87	15.95	31.92
4MW7	4-Nov	1115	52.62	20.70	31.92	**2MW-26S**	4-Nov	1340	54.16	DRY	#VALUE!
2MW8	4-Nov	0923	51.97	DRY	#VALUE!	**2MW-26D**	4-Nov	1345	54.13	21.80	32.33
4MW8	4-Nov	1056	51.87	19.90	31.97	**2MW-27S**	4-Nov	1349	50.44	15.83	34.61
2MW9	4-Nov	1050	52.29	DRY	#VALUE!	**2MW-27D**	4-Nov	1350	50.32	16.74	33.58
4MW9	4-Nov	1049	52.78	22.00	30.78	**4MW-27**	4-Nov	1352	49.60	15.95	33.65
2MW10	4-Nov	0910	52.63	DRY	#VALUE!	**4MW-27D**	4-Nov	1357	49.28	15.65	33.63
4MW-11D	4-Nov	1028	65.00	32.10	32.90	**4MW-23**	4-Nov	1024	53.69	24.60	29.09
4MW-12D	4-Nov	1020	55.03	23.10	31.93						

NOTES:



PASCO COUNTY FLORIDA
OPEN SPACES. VIBRANT PLACES.

WEST PASCO RESOURCE RECOVERY FACILITY

Floridan Groundwater Map

2nd Semi-Annual 2021

APPROVED BY:
JASON GORRIE, PE

Pasco County Utilities Environmental Laboratory Report

8864 Government Drive
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Phone: (727) 847-8902 Fax: (727) 847-8112
Contacts: Annamarie Cangialosi, Administrative Secretary
Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD17077**	Sample ID:	2MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/09/2021	Date Received:	11/09/2021
Time Sampled:	08:09	Time Received:	14:44
Sampled By:	GTORREY	Received By:	TA
		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	11/09/2021	16:31	EC	1.53		mg/L	0.008
pH Field	FDEP FT 1100	11/09/2021	08:09	GST	3.57	D	Std Units	0.10
Turbidity	SM 2130 B	11/09/2021	16:05	LIZ	0.45		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/09/2021	08:09	GST	8.98	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/09/2021	08:09	GST	72	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/09/2021	08:09	GST	22.13	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/09/2021	08:09	GST	36.51	D	Ft.	0
Color by Observation	Observation	11/09/2021	08:09	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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

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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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17078**	Sample ID:	4MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/09/2021	Date Received:	11/09/2021
Time Sampled:	11:40	Time Received:	14:44
Sampled By:	GTORREY	Received By:	TA
		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	11/09/2021	16:31	EC	0.73		mg/L	0.002
pH Field	FDEP FT 1100	11/09/2021	11:40	GST	7.21	D	Std Units	0.10
Turbidity	SM 2130 B	11/09/2021	16:05	LIZ	0.10	U	NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/09/2021	11:40	GST	2.50	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/09/2021	11:40	GST	219	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/09/2021	11:40	GST	22.94	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/09/2021	11:40	GST	36.71	D	Ft.	0
Color by Observation	Observation	11/09/2021	11:40	GST	CLEAR	D	ObsColor	0

Analysis Comments

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 III Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17079**	Sample ID:	2MW3A @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/09/2021	Date Received:	11/09/2021
Time Sampled:	13:05	Time Received:	14:44
Sampled By:	GTORREY	Received By:	TA
		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	11/09/2021	13:05	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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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: 1/13/2022

John Power

Sample Number:	**AD17080**	Sample ID:	4MW3A @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/09/2021	Date Received:	11/09/2021
Time Sampled:	13:55	Time Received:	14:44
Sampled By:	GTORREY	Received By:	TA
		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	11/09/2021	16:31	EC	0.018		mg/L	0.002
pH Field	FDEP FT 1100	11/09/2021	13:55	GST	6.85	D	Std Units	0.10
Turbidity	SM 2130 B	11/09/2021	16:05	LIZ	0.94		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/09/2021	13:55	GST	2.51	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/09/2021	13:55	GST	445	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/09/2021	13:55	GST	23.35	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/09/2021	13:55	GST	30.32	D	Ft.	0
Color by Observation	Observation	11/09/2021	13:55	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD17157**	Sample ID:	4MW5 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/10/2021	Date Received:	11/10/2021
Time Sampled:	13:00	Time Received:	14:41
Sampled By:	GTORREY	Received By:	TA
		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	11/11/2021	02:00	EC	0.72		mg/L	0.002
pH Field	FDEP FT 1100	11/10/2021	13:00	GST	6.67	D	Std Units	0.10
Turbidity	SM 2130 B	11/10/2021	16:15	EC	0.25		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/10/2021	13:00	GST	2.91	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/10/2021	13:00	GST	594	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/10/2021	13:00	GST	24.04	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/10/2021	13:00	GST	30.16	D	Ft.	0
Color by Observation	Observation	11/10/2021	13:00	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD17158**	Sample ID:	2MW17S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/10/2021	Date Received:	11/10/2021
Time Sampled:	13:54	Time Received:	14:41
Sampled By:	GTORREY	Received By:	TA
		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	11/11/2021	02:00	EC	12.6		mg/L	0.04
pH Field	FDEP FT 1100	11/10/2021	13:54	GST	5.75	D	Std Units	0.10
Turbidity	SM 2130 B	11/10/2021	16:15	EC	0.92		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/10/2021	13:54	GST	7.36	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/10/2021	13:54	GST	282	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/10/2021	13:54	GST	25.58	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/10/2021	13:54	GST	29.42	D	Ft.	0
Color by Observation	Observation	11/10/2021	13:54	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD17356**	Sample ID:	4MW4 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/15/2021	Date Received:	11/15/2021
Time Sampled:	09:50	Time Received:	15:13
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
Nitrate (N)	EPA 300.0	11/16/2021	11:44	EC	0.41		mg/L	0.002
pH Field	FDEP FT 1100	11/15/2021	09:50	GST	6.75	D	Std Units	0.10
Turbidity	SM 2130 B	11/16/2021	14:45	LIZ	1.53		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/15/2021	09:50	GST	3.63	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/15/2021	09:50	GST	418	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/15/2021	09:50	GST	24.10	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/15/2021	09:50	GST	29.31	D	Ft.	0
Color by Observation	Observation	11/15/2021	09:50	GST	CLEAR	D	ObsColor	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17357**	Sample ID:	2MW18D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/15/2021	Date Received:	11/15/2021
Time Sampled:	10:41	Time Received:	15:13
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
Nitrate (N)	EPA 300.0	11/16/2021	11:44	EC	0.96		mg/L	0.002
pH Field	FDEP FT 1100	11/15/2021	10:41	GST	6.60	D	Std Units	0.10
Turbidity	SM 2130 B	11/16/2021	14:45	LIZ	1.21		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/15/2021	10:41	GST	2.58	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/15/2021	10:41	GST	471	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/15/2021	10:41	GST	24.55	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/15/2021	10:41	GST	29.20	D	Ft.	0
Color by Observation	Observation	11/15/2021	10:41	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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

MCL=Maximum Contaminant Level

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
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17358**	Sample ID:	2MW19D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/15/2021	Date Received:	11/15/2021
Time Sampled:	14:30	Time Received:	15:13
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
Nitrate (N)	EPA 300.0	11/16/2021	11:44	EC	0.47		mg/L	0.002
pH Field	FDEP FT 1100	11/15/2021	14:30	GST	6.69	D	Std Units	0.10
Turbidity	SM 2130 B	11/16/2021	14:45	LIZ	0.46		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/15/2021	14:30	GST	2.87	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/15/2021	14:30	GST	442	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/15/2021	14:30	GST	23.62	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/15/2021	14:30	GST	29.95	D	Ft.	0
Color by Observation	Observation	11/15/2021	14:30	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Pasco County Res Rec
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

Justin Roessler

Sample Number:	**AD17626**	Sample ID:	4MW9 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/19/2021	Date Received:	11/19/2021
Time Sampled:	10:33	Time Received:	13:41
Sampled By:	GTORREY	Received By:	TA
		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	11/19/2021	14:43	EC	0.44		mg/L	0.002
pH Field	FDEP FT 1100	11/19/2021	10:33	GST	6.69	D	Std Units	0.10
Turbidity	SM 2130 B	11/19/2021	14:25	LIZ	0.10	U	NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/19/2021	10:33	GST	2.16	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/19/2021	10:33	GST	459	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/19/2021	10:33	GST	24.49	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/19/2021	10:33	GST	30.68	D	Ft.	0
Color by Observation	Observation	11/19/2021	10:33	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

West Pasco Res Rec
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

Justin Roessler

Sample Number:	**AD17627**	Sample ID:	4MW7 @ RES REC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/19/2021	Date Received:	11/19/2021
Time Sampled:	12:56	Time Received:	13:41
Sampled By:	GTORREY	Received By:	TA
		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	11/19/2021	14:43	EC	0.36		mg/L	0.002
pH Field	FDEP FT 1100	11/19/2021	12:56	GST	6.84	D	Std Units	0.10
Turbidity	SM 2130 B	11/19/2021	14:25	LIZ	0.46		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/19/2021	12:56	GST	2.61	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/19/2021	12:56	GST	370	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/19/2021	12:56	GST	26.12	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/19/2021	12:56	GST	31.87	D	Ft.	0
Color by Observation	Observation	11/19/2021	12:56	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD17729**	Sample ID:	2MW6 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/22/2021	Date Received:	11/22/2021
Time Sampled:	11:00	Time Received:	15:11
Sampled By:	GTORREY	Received By:	TA
		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	11/22/2021	11:00	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17730**	Sample ID:	4MW6 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/22/2021	Date Received:	11/22/2021
Time Sampled:	12:32	Time Received:	15:11
Sampled By:	GTORREY	Received By:	TA
		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	11/22/2021	15:34	EC	0.49		mg/L	0.002
pH Field	FDEP FT 1100	11/22/2021	12:32	GST	7.188	D	Std Units	0.10
Turbidity	SM 2130 B	11/23/2021	16:20	LIZ	0.14		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/22/2021	12:32	GST	5.97	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/22/2021	12:32	GST	159	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/22/2021	12:32	GST	24.47	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/22/2021	12:32	GST	33.58	D	Ft.	0
Color by Observation	Observation	11/22/2021	12:32	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17731**	Sample ID:	2MW5 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/22/2021	Date Received:	11/22/2021
Time Sampled:	14:03	Time Received:	15:11
Sampled By:	GTORREY	Received By:	TA
		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	11/22/2021	14:03	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17732**	Sample ID:	2MW4 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/22/2021	Date Received:	11/22/2021
Time Sampled:	14:20	Time Received:	15:11
Sampled By:	GTORREY	Received By:	TA
		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	11/22/2021	14:20	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD17733**	Sample ID:	2MW1 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/22/2021	Date Received:	11/22/2021
Time Sampled:	14:35	Time Received:	15:11
Sampled By:	GTORREY	Received By:	
		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	11/22/2021	14:35	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17784**	Sample ID:	4MW27 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/23/2021	Date Received:	11/23/2021
Time Sampled:	12:07	Time Received:	14:43
Sampled By:	GTORREY	Received By:	TA
		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	11/23/2021	15:33	EC	0.09		mg/L	0.002
pH Field	FDEP FT 1100	11/23/2021	12:07	GST	8.31	D	Std Units	0.10
Turbidity	SM 2130 B	11/23/2021	16:20	LIZ	0.75		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/23/2021	12:07	GST	2.97	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/23/2021	12:07	GST	637	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/23/2021	12:07	GST	21.39	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/23/2021	12:07	GST	33.52	D	Ft.	0
Color by Observation	Observation	11/23/2021	12:07	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17785**	Sample ID:	2MW27S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/23/2021	Date Received:	11/23/2021
Time Sampled:	12:25	Time Received:	14:43
Sampled By:	GTORREY	Received By:	TA
		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	11/23/2021	12:25	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17786**	Sample ID:	2MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/23/2021	Date Received:	11/23/2021
Time Sampled:	12:57	Time Received:	14:43
Sampled By:	GTORREY	Received By:	TA
		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	11/23/2021	15:33	EC	1.41		mg/L	0.004
pH Field	FDEP FT 1100	11/23/2021	12:57	GST	7.45	D	Std Units	0.10
Turbidity	SM 2130 B	11/23/2021	16:20	LIZ	0.80		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/23/2021	12:57	GST	2.33	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/23/2021	12:57	GST	702	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/23/2021	12:57	GST	23.31	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/23/2021	12:57	GST	33.29	D	Ft.	0
Color by Observation	Observation	11/23/2021	12:57	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17901**	Sample ID:	4MW21 @ RES REC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/29/2021	Date Received:	11/29/2021
Time Sampled:	13:32	Time Received:	15:16
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
Nitrate (N)	EPA 300.0	11/30/2021	15:30	EC	6.01		mg/L	0.01
pH Field	FDEP FT 1100	11/29/2021	13:32	GST	4.78	D	Std Units	0.10
Turbidity	SM 2130 B	11/30/2021	16:30	LIZ	0.42		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/29/2021	13:32	GST	6.65	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/29/2021	13:32	GST	133	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/29/2021	13:32	GST	25.3	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/29/2021	13:32	GST	31.16	D	Ft.	0
Color by Observation	Observation	11/29/2021	13:32	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

West Pasco Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17902**	Sample ID:	4MW22
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/29/2021	Date Received:	11/29/2021
Time Sampled:	14:30	Time Received:	15:16
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
Nitrate (N)	EPA 300.0	11/30/2021	15:30	EC	0.12		mg/L	0.002
pH Field	FDEP FT 1100	11/29/2021	14:30	GST	6.63	D	Std Units	0.10
Turbidity	SM 2130 B	11/30/2021	16:30	LIZ	0.29		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/29/2021	14:30	GST	2.79	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/29/2021	14:30	GST	501	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/29/2021	14:30	GST	24.1	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/29/2021	14:30	GST	30.29	D	Ft.	0
Color by Observation	Observation	11/29/2021	14:30	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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

MCL=Maximum Contaminant Level

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
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17935**	Sample ID:	4MW11D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/30/2021	Date Received:	11/30/2021
Time Sampled:	08:15	Time Received:	15:28
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
Nitrate (N)	EPA 300.0	11/30/2021	15:30	EC	0.90		mg/L	0.004
pH Field	FDEP FT 1100	11/30/2021	08:15	GST	6.63	D	Std Units	0.10
Turbidity	SM 2130 B	11/30/2021	16:30	LIZ	0.60		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/30/2021	08:15	GST	4.28	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/30/2021	08:15	GST	506	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/30/2021	08:15	GST	23.4	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/30/2021	08:15	GST	32.5	D	Ft.	0
Color by Observation	Observation	11/30/2021	08:15	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD17936**	Sample ID:	4MW14D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/30/2021	Date Received:	11/30/2021
Time Sampled:	09:28	Time Received:	15:28
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
Nitrate (N)	EPA 300.0	11/30/2021	15:30	EC	0.56		mg/L	0.004
pH Field	FDEP FT 1100	11/30/2021	09:28	GST	6.80	D	Std Units	0.10
Turbidity	SM 2130 B	11/30/2021	16:30	LIZ	1.30		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/30/2021	09:28	GST	2.87	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/30/2021	09:28	GST	381	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/30/2021	09:28	GST	25.8	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/30/2021	09:28	GST	31.82	D	Ft.	0
Color by Observation	Observation	11/30/2021	09:28	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17937**	Sample ID:	4MW13D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/30/2021	Date Received:	11/30/2021
Time Sampled:	09:51	Time Received:	15:28
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	11/30/2021	09:51	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17938**	Sample ID:	2MW13D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/30/2021	Date Received:	11/30/2021
Time Sampled:	09:58	Time Received:	15:28
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	11/30/2021	09:58	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD17939**	Sample ID:	4MW12D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/30/2021	Date Received:	11/30/2021
Time Sampled:	10:52	Time Received:	15:28
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
Nitrate (N)	EPA 300.0	11/30/2021	15:30	EC	0.76		mg/L	0.004
pH Field	FDEP FT 1100	11/30/2021	10:52	GST	6.80	D	Std Units	0.10
Turbidity	SM 2130 B	11/30/2021	16:30	LIZ	0.14		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/30/2021	10:52	GST	2.48	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/30/2021	10:52	GST	396	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/30/2021	10:52	GST	25.0	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/30/2021	10:52	GST	31.52	D	Ft.	0
Color by Observation	Observation	11/30/2021	10:52	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD17940**	Sample ID:	2MW15DA @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/30/2021	Date Received:	11/30/2021
Time Sampled:	13:52	Time Received:	15:28
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
Nitrate (N)	EPA 300.0	11/30/2021	15:30	EC	0.25		mg/L	0.002
pH Field	FDEP FT 1100	11/30/2021	13:50	GST	7.01	D	Std Units	0.10
Turbidity	SM 2130 B	11/30/2021	16:30	LIZ	0.53		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	11/30/2021	13:50	GST	3.02	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	11/30/2021	13:50	GST	310	D	umhos/cm	1
Temperature Field	FDEP FT 1400	11/30/2021	13:50	GST	25.1	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	11/30/2021	13:50	GST	34.34	D	Ft.	0
Color by Observation	Observation	11/30/2021	13:50	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD18078**	Sample ID:	4MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/01/2021	Date Received:	12/01/2021
Time Sampled:	16:32	Time Received:	17:04
Sampled By:	GTORREY	Received By:	KS
		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	12/02/2021	10:59	EC	0.012	I	mg/L	0.002
pH Field	FDEP FT 1100	12/01/2021	16:32	GST	7.05	D	Std Units	0.10
Turbidity	SM 2130 B	12/03/2021	14:20	LIZ	0.54		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	12/01/2021	16:32	GST	2.91	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	12/01/2021	16:32	GST	280	D	umhos/cm	1
Temperature Field	FDEP FT 1400	12/01/2021	16:32	GST	24.8	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	12/01/2021	16:32	GST	33.33	D	Ft.	0
Color by Observation	Observation	12/01/2021	16:32	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD18137**	Sample ID:	2MW-24S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	07:45	Time Received:	15:04
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	12/02/2021	07:45	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD18138**	Sample ID:	2MW-24D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	08:36	Time Received:	15:04
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
Nitrate (N)	EPA 300.0	12/03/2021	12:20	EC	1.30		mg/L	0.004
pH Field	FDEP FT 1100	12/02/2021	08:36	GST	6.26	D	Std Units	0.10
Turbidity	SM 2130 B	12/03/2021	14:20	LIZ	0.13		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	12/02/2021	08:36	GST	2.83	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	12/02/2021	08:36	GST	534	D	umhos/cm	1
Temperature Field	FDEP FT 1400	12/02/2021	08:36	GST	24.7	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	12/02/2021	08:36	GST	31.32	D	Ft.	0
Color by Observation	Observation	12/02/2021	08:36	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD18139**	Sample ID:	2MW-25D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	09:23	Time Received:	15:04
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
Nitrate (N)	EPA 300.0	12/03/2021	12:20	EC	2.00		mg/L	0.004
pH Field	FDEP FT 1100	12/02/2021	09:23	GST	6.34	D	Std Units	0.10
Turbidity	SM 2130 B	12/03/2021	14:20	LIZ	0.74		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	12/02/2021	09:23	GST	2.46	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	12/02/2021	09:23	GST	661	D	umhos/cm	1
Temperature Field	FDEP FT 1400	12/02/2021	09:23	GST	26.8	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	12/02/2021	09:23	GST	31.51	D	Ft.	0
Color by Observation	Observation	12/02/2021	09:23	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD18140**	Sample ID:	2MW-25S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	09:35	Time Received:	15:04
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	12/02/2021	09:35	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Report Date: 1/13/2022

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Sample Number:	**AD18141**	Sample ID:	2MW-26S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	09:55	Time Received:	15:04
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	12/02/2021	09:55	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD18142**	Sample ID:	2MW-26D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	10:57	Time Received:	15:04
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
Nitrate (N)	EPA 300.0	12/03/2021	12:20	EC	0.31		mg/L	0.002
pH Field	FDEP FT 1100	12/02/2021	10:57	GST	6.59	D	Std Units	0.10
Turbidity	SM 2130 B	12/03/2021	14:20	LIZ	0.27		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	12/02/2021	10:57	GST	2.89	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	12/02/2021	10:57	GST	559	D	umhos/cm	1
Temperature Field	FDEP FT 1400	12/02/2021	10:57	GST	25.2	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	12/02/2021	10:57	GST	31.88	D	Ft.	0
Color by Observation	Observation	12/02/2021	10:57	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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

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

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class III Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD18143**	Sample ID:	2MW7 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	12:10	Time Received:	15:04
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	12/02/2021	12:10	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class III Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD18144**	Sample ID:	2MW8 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	12:30	Time Received:	15:04
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	12/02/2021	12:30	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

John Power

Sample Number:	**AD18145**	Sample ID:	4MW23 @ RES REC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	13:24	Time Received:	15:04
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
Nitrate (N)	EPA 300.0	12/03/2021	12:20	EC	0.010	I	mg/L	0.002
pH Field	FDEP FT 1100	12/02/2021	13:24	GST	6.68	D	Std Units	0.10
Turbidity	SM 2130 B	12/03/2021	14:20	LIZ	3.22		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	12/02/2021	13:24	GST	2.91	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	12/02/2021	13:24	GST	568	D	umhos/cm	1
Temperature Field	FDEP FT 1400	12/02/2021	13:24	GST	24.5	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	12/02/2021	13:24	GST	29.61	D	Ft.	0
Color by Observation	Observation	12/02/2021	13:24	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class III Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD18146**	Sample ID:	2MW9 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	13:56	Time Received:	15:04
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	12/02/2021	13:56	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class III Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 1/13/2022

Sample Number:	**AD18147**	Sample ID:	2MW10 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/02/2021	Date Received:	12/02/2021
Time Sampled:	14:10	Time Received:	15:04
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	12/02/2021	14:10	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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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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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 1/13/2022

Justin G. Roessler

Sample Number:	**AD18881**	Sample ID:	4MW1 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	12/16/2021	Date Received:	12/16/2021
Time Sampled:	14:47	Time Received:	15:37
Sampled By:	GTORREY	Received By:	EC
		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	12/17/2021	14:30	EC	1.92		mg/L	0.004
pH Field	FDEP FT 1100	12/16/2021	14:47	GST	6.32	D	Std Units	0.10
Turbidity	SM 2130 B	12/17/2021	16:05	LIZ	0.30		NTU's	0.10
Dissolved Oxygen Field	FDEP FT 1500	12/16/2021	14:47	GST	1.59	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	12/16/2021	14:47	GST	898	D	umhos/cm	1
Temperature Field	FDEP FT 1400	12/16/2021	14:47	GST	27.2	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	12/16/2021	14:47	GST	34.44	D	Ft.	0
Color by Observation	Observation	12/16/2021	14:47	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123
EPA Lab Code: FL00137

REPORT OF ANALYSIS

PASCO COUNTY
ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654

Phone: (727) 847-8902

Fax: (727) 847-8112

NELAC ID: E44123

Laboratory Contact: Annamaria Cangialosi

Chris Childress

PREPARED FOR: RESOURCE RECOVERY CLASS I
HAYS ROAD
SHADY HILLS, FL
ATTN: JOHN POWER

SAMPLE RECEIPT DATE: 11/22/2021
REPORT DATE: 1/13/2022

Data Release Authorization:

The Methods of analysis in this report are in accordance with the laboratory's Quality Assurance Manual and meet all NELAC standards except where noted. Results pertain only to items tested and to the samples specified. This report may not be reproduced, except in full, without the written approval of this laboratory.

Laboratory Director

THIS DOCUMENT MEETS NELAC STANDARDS
NELAC Certification # E44123

DATA QUALIFIER CODES

A	Value reported is the mean (average) of two or more determinations
B	Results based upon colony counts outside the acceptable range. This code applies to microbiological tests, specifically to membrane filter colony counts, and is ysed only if the colony count is generated from a plate in which the total number of coliform colonies exceeds the method indicated ideal ranges.
C	Analysis performed by contract laboratory
F	When reporting species, this code indicates the female sex.
H	Holiday
I	The reported value is between the laboratory method detection limit and the laboratory practical quanitation limit.
J	Estimated value, may not be accurate. Use of this code requires justification for its use and is used in the following situations: 1. Exceeding of surrogate recovery limits 2. Existence of no quality control criteria for a component 3. Failure to meet established precision and accuracy criteria 4. Matrix interference 5. Questionable data due to improper field or lab protocols "J" Values are exclusive and are not used in conjunction with other codes
K	Indicates off scale low and the actual value is known to be less than the value listed. Used if the value is less than the lowest calibration standard when the calibration curve is known to be non-linear. Can also be used if the actual value is known to be less than the reported value based on sample size,dilution.
L	Off scale high and the actual value is known to be greater than the reported value. Used when the sample concentration of the analyte exceeds the linear range or highest calibration standard and the calibration curve is known to exhibit a negative deflection.
M	To be used for chemical analysis: the presence of the analyte is verified but not quantified and the actual value is less than the value reported.
N	Presumptive evidence of presence of compound. To be used when the compound has been determined by TIC (mass spectral library search) or if presence of the compound cannot be confirmed using alternate procedures.
O	Indicates analysis was lost or not performed
Q	Analyzed after holding time expired
R	Re-sample
T	Reported value is less than the laboratory method detection limit. The value is reported for informational purposes only and is not used in statistical analysis.
U	Less than the method detection limit
V	Blank contamination. Resuls are valid and can be reported
X	Time of collection not provided
Y	Laboratory analysis was performed on sample, which was unpreserved or improperly preserved, therefore, the data may be inacurate.
Z	Too many colonies present. (TNTC)
%	Below FDEP limits.
*	Analysis was not performed due to interference
#	No sample received
?	Indicates that the data should not be used since some or all quality control data for the analyte fall outside limits and the presence or absence of the analyte determined from the data
"-"	no data reported

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst

Sample ID **2MW1 @ RESREC**

Sample Number	**AD17733**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/22/2021**			**Time Sampled**	**14:35**
Date Received	**11/22/2021**	**Sampler**	**GTORREY**	**Received By**	
Time Received	**15:11**	**Delivered By**	**GT**	**Sample Type**	**SP**

Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	11/22/2021	14:35	0		GST

Sample ID **2MW10 @ CLASS III**

Sample Number	**AD18147**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**12/02/2021**			**Time Sampled**	**14:10**
Date Received	**12/02/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:04**	**Delivered By**	**GT**	**Sample Type**	**SP**

Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	12/02/2021	14:10	0		GST

Sample ID **2MW13D @ RESREC**

Sample Number	**AD17938**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/30/2021**			**Time Sampled**	**09:58**
Date Received	**11/30/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:28**	**Delivered By**	**GT**	**Sample Type**	**SP**

Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	11/30/2021	09:58	0		GST

Sample ID **2MW15DA @ RESREC**

Sample Number	**AD17940**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/30/2021**			**Time Sampled**	**13:52**
Date Received	**11/30/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:28**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	310	umhos/cm	D	11/30/2021	13:53	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	3.02	mg/L	D	11/30/2021	13:53	0.01	0.03	GST
pH Field	FDEP FT 1100	7.01	Std Units	D	11/30/2021	13:53	0.10	0.10	GST
Temperature Field	FDEP FT 1400	25.1	Deg C	D	11/30/2021	13:53	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	34.34	Ft.	D	11/30/2021	15:35	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/30/2021	13:53	0		GST
Turbidity	SM 2130 B	0.53	NTU's		11/30/2021	16:50	0.10		LIZ

Sample ID **2MW17S @ RESREC**

Sample Number	**AD17158**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/10/2021**			**Time Sampled**	**13:54**
Date Received	**11/10/2021**	**Sampler**	**GTORREY**	**Received By**	**TA**
Time Received	**14:41**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	282	umhos/cm	D	11/10/2021	13:57	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	7.36	mg/L	D	11/10/2021	13:57	0.01	0.03	GST
pH Field	FDEP FT 1100	5.75	Std Units	D	11/10/2021	13:57	0.10	0.10	GST
Temperature Field	FDEP FT 1400	25.58	Deg C	D	11/10/2021	13:57	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	29.42	Ft.	D	11/10/2021	13:57	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/10/2021	13:57	0		GST
Turbidity	SM 2130 B	0.92	NTU's		11/10/2021	16:21	0.10		EC

Sample ID **2MW18D @ RESREC**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst

Sample ID 2MW18D @ RESREC

Sample Number	**AD17357**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/15/2021**			**Time Sampled**	**10:41**
Date Received	**11/15/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:13**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	471	umhos/cm	D	11/15/2021	10:44	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.58	mg/L	D	11/15/2021	10:44	0.01	0.03	GST
pH Field	FDEP FT 1100	6.60	Std Units	D	11/15/2021	10:44	0.10	0.10	GST
Temperature Field	FDEP FT 1400	24.55	Deg C	D	11/15/2021	10:44	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	29.20	Ft.	D	11/15/2021	10:44	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/15/2021	10:44	0		GST
Turbidity	SM 2130 B	1.21	NTU's		11/16/2021	15:00	0.10		LIZ

Sample ID 2MW19D @ RESREC

Sample Number	**AD17358**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/15/2021**			**Time Sampled**	**14:30**
Date Received	**11/15/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:13**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	442	umhos/cm	D	11/15/2021	14:33	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.87	mg/L	D	11/15/2021	14:33	0.01	0.03	GST
pH Field	FDEP FT 1100	6.69	Std Units	D	11/15/2021	14:33	0.10	0.10	GST
Temperature Field	FDEP FT 1400	23.62	Deg C	D	11/15/2021	14:33	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	29.95	Ft.	D	11/15/2021	14:33	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/15/2021	14:33	0		GST
Turbidity	SM 2130 B	0.46	NTU's		11/16/2021	15:00	0.10		LIZ

Sample ID 2MW2 @ RESREC

Sample Number	**AD17077**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/09/2021**			**Time Sampled**	**08:09**
Date Received	**11/09/2021**	**Sampler**	**GTORREY**	**Received By**	**TA**
Time Received	**14:44**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	72	umhos/cm	D	11/09/2021	08:12	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	8.98	mg/L	D	11/09/2021	08:12	0.01	0.03	GST
pH Field	FDEP FT 1100	3.57	Std Units	D	11/09/2021	08:12	0.10	0.10	GST
Temperature Field	FDEP FT 1400	22.13	Deg C	D	11/09/2021	08:12	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	36.51	Ft.	D	11/09/2021	08:12	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/09/2021	08:12	0		GST
Turbidity	SM 2130 B	0.45	NTU's		11/09/2021	16:15	0.10		LIZ

Sample ID 2MW-24D @ RESREC

Sample Number	**AD18138**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**12/02/2021**			**Time Sampled**	**08:36**
Date Received	**12/02/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:04**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	534	umhos/cm	D	12/02/2021	08:39	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.83	mg/L	D	12/02/2021	08:39	0.01	0.03	GST
pH Field	FDEP FT 1100	6.26	Std Units	D	12/02/2021	08:39	0.10	0.10	GST
Temperature Field	FDEP FT 1400	24.7	Deg C	D	12/02/2021	08:39	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	31.32	Ft.	D	12/02/2021	08:39	0		GST

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst

Sample ID **2MW-24D @ RESREC**

Sample Number	**AD18138**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**12/02/2021**			**Time Sampled**	**08:36**
Date Received	**12/02/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:04**	**Delivered By**	**GT**	**Sample Type**	**SP**

Color by Observation	Observation	CLEAR	ObsColor	D	12/02/2021	08:39	0		GST
Turbidity	SM 2130 B	0.13	NTU's		12/03/2021	14:35	0.10		LIZ

Sample ID **2MW-24S @ RESREC**

Sample Number	**AD18137**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**12/02/2021**			**Time Sampled**	**07:45**
Date Received	**12/02/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:04**	**Delivered By**	**GT**	**Sample Type**	**SP**

Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	12/02/2021	07:48	0		GST

Sample ID **2MW-25D @ RESREC**

Sample Number	**AD18139**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**12/02/2021**			**Time Sampled**	**09:23**
Date Received	**12/02/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:04**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	661	umhos/cm	D	12/02/2021	09:26	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.46	mg/L	D	12/02/2021	09:26	0.01	0.03	GST
pH Field	FDEP FT 1100	6.34	Std Units	D	12/02/2021	09:26	0.10	0.10	GST
Temperature Field	FDEP FT 1400	26.8	Deg C	D	12/02/2021	09:26	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	31.51	Ft.	D	12/02/2021	09:26	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	12/02/2021	09:26	0		GST
Turbidity	SM 2130 B	0.74	NTU's		12/03/2021	14:35	0.10		LIZ

Sample ID **2MW-25S @ RESREC**

Sample Number	**AD18140**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**12/02/2021**			**Time Sampled**	**09:35**
Date Received	**12/02/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:04**	**Delivered By**	**GT**	**Sample Type**	**SP**

Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	12/02/2021	03:56	0		GST

Sample ID **2MW-26D @ RESREC**

Sample Number	**AD18142**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**12/02/2021**			**Time Sampled**	**10:57**
Date Received	**12/02/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:04**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	559	umhos/cm	D	12/02/2021	11:00	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.89	mg/L	D	12/02/2021	11:00	0.01	0.03	GST
pH Field	FDEP FT 1100	6.59	Std Units	D	12/02/2021	11:00	0.10	0.10	GST
Temperature Field	FDEP FT 1400	25.2	Deg C	D	12/02/2021	11:00	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	31.88	Ft.	D	12/02/2021	11:00	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	12/02/2021	11:00	0		GST
Turbidity	SM 2130 B	0.27	NTU's		12/03/2021	14:35	0.10		LIZ

Sample ID **2MW-26S @ RESREC**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sample ID	**2MW-26S @ RESREC**								
Sample Number	**AD18141**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**12/02/2021**						**Time Sampled**	**09:55**	
Date Received	**12/02/2021**		**Sampler**	**GTORREY**			**Received By**	**TS**	
Time Received	**15:04**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	12/02/2021	09:58	0		GST
Sample ID	**2MW27D @ RESREC**								
Sample Number	**AD17786**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**11/23/2021**						**Time Sampled**	**12:57**	
Date Received	**11/23/2021**		**Sampler**	**GTORREY**			**Received By**	**TA**	
Time Received	**14:43**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Conductivity Field	FDEP FT 1200	702	umhos/cm	D	11/23/2021	13:00	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.33	mg/L	D	11/23/2021	13:00	0.01	0.03	GST
pH Field	FDEP FT 1100	7.45	Std Units	D	11/23/2021	13:00	0.10	0.10	GST
Temperature Field	FDEP FT 1400	23.31	Deg C	D	11/23/2021	13:00	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	33.29	Ft.	D	11/23/2021	13:00	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/23/2021	13:00	0		GST
Turbidity	SM 2130 B	0.80	NTU's		11/23/2021	16:30	0.10		LIZ
Sample ID	**2MW27S @ RESREC**								
Sample Number	**AD17785**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**11/23/2021**						**Time Sampled**	**12:25**	
Date Received	**11/23/2021**		**Sampler**	**GTORREY**			**Received By**	**TA**	
Time Received	**14:43**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	11/23/2021	12:25	0		GST
Sample ID	**2MW3A @ CLASS III**								
Sample Number	**AD17079**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**11/09/2021**						**Time Sampled**	**13:05**	
Date Received	**11/09/2021**		**Sampler**	**GTORREY**			**Received By**	**TA**	
Time Received	**14:44**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	11/09/2021	13:05	0		GST
Sample ID	**2MW4 @ RESREC**								
Sample Number	**AD17732**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**11/22/2021**						**Time Sampled**	**14:20**	
Date Received	**11/22/2021**		**Sampler**	**GTORREY**			**Received By**	**TA**	
Time Received	**15:11**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	11/22/2021	14:20	0		GST
Sample ID	**2MW5 @ RESREC**								
Sample Number	**AD17731**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**11/22/2021**						**Time Sampled**	**14:03**	
Date Received	**11/22/2021**		**Sampler**	**GTORREY**			**Received By**	**TA**	
Time Received	**15:11**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	11/22/2021	14:03	0		GST

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sample ID	**2MW6 @ RESREC**								
Sample Number	**AD17729**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**11/22/2021**						**Time Sampled**	**11:00**	
Date Received	**11/22/2021**		**Sampler**	**GTORREY**			**Received By**	**TA**	
Time Received	**15:11**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	11/22/2021	11:00	0		GST
Sample ID	**2MW7 @ CLASS III**								
Sample Number	**AD18143**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**12/02/2021**						**Time Sampled**	**12:10**	
Date Received	**12/02/2021**		**Sampler**	**GTORREY**			**Received By**	**TS**	
Time Received	**15:04**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	12/02/2021	12:10	0		GST
Sample ID	**2MW8 @ CLASS III**								
Sample Number	**AD18144**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**12/02/2021**						**Time Sampled**	**12:30**	
Date Received	**12/02/2021**		**Sampler**	**GTORREY**			**Received By**	**TS**	
Time Received	**15:04**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	12/02/2021	12:30	0		GST
Sample ID	**2MW9 @ CLASS III**								
Sample Number	**AD18146**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**12/02/2021**						**Time Sampled**	**13:56**	
Date Received	**12/02/2021**		**Sampler**	**GTORREY**			**Received By**	**TS**	
Time Received	**15:04**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	12/02/2021	13:56	0		GST
Sample ID	**4MW1 @ RESREC**								
Sample Number	**AD18881**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**12/16/2021**						**Time Sampled**	**14:47**	
Date Received	**12/16/2021**		**Sampler**	**GTORREY**			**Received By**	**EC**	
Time Received	**15:37**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Conductivity Field	FDEP FT 1200	898	umhos/cm	D	12/16/2021	14:50	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	1.59	mg/L	D	12/16/2021	14:50	0.01	0.03	GST
pH Field	FDEP FT 1100	6.32	Std Units	D	12/16/2021	14:50	0.10	0.10	GST
Temperature Field	FDEP FT 1400	27.2	Deg C	D	12/16/2021	14:50	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	34.44	Ft.	D	12/16/2021	14:50	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	12/16/2021	14:50	0		GST
Turbidity	SM 2130 B	0.30	NTU's		12/17/2021	16:13	0.10		LIZ
Sample ID	**4MW11D @ RESREC**								
Sample Number	**AD17935**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**11/30/2021**						**Time Sampled**	**08:15**	
Date Received	**11/30/2021**		**Sampler**	**GTORREY**			**Received By**	**TS**	
Time Received	**15:28**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Conductivity Field	FDEP FT 1200	506	umhos/cm	D	11/30/2021	08:18	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	4.28	mg/L	D	11/30/2021	08:18	0.01	0.03	GST

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NELAC Certification # E44123

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst

Sample ID 4MW11D @ RESREC

Sample Number	**AD17935**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/30/2021**			**Time Sampled**	**08:15**
Date Received	**11/30/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:28**	**Delivered By**	**GT**	**Sample Type**	**SP**

pH Field	FDEP FT 1100	6.63	Std Units	D	11/30/2021	08:18	0.10	0.10	GST
Temperature Field	FDEP FT 1400	23.4	Deg C	D	11/30/2021	08:18	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	32.5	Ft.	D	11/30/2021	08:18	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/30/2021	08:18	0		GST
Turbidity	SM 2130 B	0.60	NTU's		11/30/2021	16:50	0.10		LIZ

Sample ID 4MW12D @ RESREC

Sample Number	**AD17939**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/30/2021**			**Time Sampled**	**10:52**
Date Received	**11/30/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:28**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	396	umhos/cm	D	11/30/2021	10:55	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.48	mg/L	D	11/30/2021	10:55	0.01	0.03	GST
pH Field	FDEP FT 1100	6.80	Std Units	D	11/30/2021	10:55	0.10	0.10	GST
Temperature Field	FDEP FT 1400	25.0	Deg C	D	11/30/2021	10:55	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	31.52	Ft.	D	11/30/2021	10:55	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/30/2021	10:55	0		GST
Turbidity	SM 2130 B	0.14	NTU's		11/30/2021	16:50	0.10		LIZ

Sample ID 4MW13D @ RESREC

Sample Number	**AD17937**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/30/2021**			**Time Sampled**	**09:51**
Date Received	**11/30/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:28**	**Delivered By**	**GT**	**Sample Type**	**SP**

Water Level (NGVD)	DEP-SOP	DRY	Ft.	D	11/30/2021	09:51	0		GST

Sample ID 4MW14D @ RESREC

Sample Number	**AD17936**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/30/2021**			**Time Sampled**	**09:28**
Date Received	**11/30/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:28**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	381	umhos/cm	D	11/30/2021	09:31	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.87	mg/L	D	11/30/2021	09:31	0.01	0.03	GST
pH Field	FDEP FT 1100	6.80	Std Units	D	11/30/2021	09:31	0.10	0.10	GST
Temperature Field	FDEP FT 1400	25.8	Deg C	D	11/30/2021	09:31	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	31.82	Ft.	D	11/30/2021	09:31	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/30/2021	09:31	0		GST
Turbidity	SM 2130 B	1.30	NTU's		11/30/2021	16:50	0.10		LIZ

Sample ID 4MW2 @ RESREC

Sample Number	**AD17078**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/09/2021**			**Time Sampled**	**11:40**
Date Received	**11/09/2021**	**Sampler**	**GTORREY**	**Received By**	**TA**
Time Received	**14:44**	**Delivered By**	**GT**	**Sample Type**	**SP**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst

Sample ID 4MW2 @ RESREC

Sample Number	**AD17078**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/09/2021**			**Time Sampled**	**11:40**
Date Received	**11/09/2021**	**Sampler**	**GTORREY**	**Received By**	**TA**
Time Received	**14:44**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	219	umhos/cm	D	11/09/2021	11:43	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.50	mg/L	D	11/09/2021	11:43	0.01	0.03	GST
pH Field	FDEP FT 1100	7.21	Std Units	D	11/09/2021	11:43	0.10	0.10	GST
Temperature Field	FDEP FT 1400	22.94	Deg C	D	11/09/2021	11:43	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	36.71	Ft.	D	11/09/2021	11:43	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/09/2021	11:43	0		GST
Turbidity	SM 2130 B	0.10	NTU's	U	11/09/2021	16:15	0.10		LIZ

Sample ID 4MW21 @ RES REC

Sample Number	**AD17901**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/29/2021**			**Time Sampled**	**13:32**
Date Received	**11/29/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:16**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	133	umhos/cm	D	11/29/2021	13:35	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	6.65	mg/L	D	11/29/2021	13:35	0.01	0.03	GST
pH Field	FDEP FT 1100	4.78	Std Units	D	11/29/2021	13:35	0.10	0.10	GST
Temperature Field	FDEP FT 1400	25.3	Deg C	D	11/29/2021	13:35	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	31.16	Ft.	D	11/29/2021	13:35	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/29/2021	13:35	0		GST
Turbidity	SM 2130 B	0.42	NTU's		11/30/2021	16:50	0.10		LIZ

Sample ID 4MW22

Sample Number	**AD17902**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/29/2021**			**Time Sampled**	**14:30**
Date Received	**11/29/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:16**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	501	umhos/cm	D	11/29/2021	14:33	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.79	mg/L	D	11/29/2021	14:33	0.01	0.03	GST
pH Field	FDEP FT 1100	6.63	Std Units	D	11/29/2021	14:33	0.10	0.10	GST
Temperature Field	FDEP FT 1400	24.1	Deg C	D	11/29/2021	14:33	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	30.29	Ft.	D	11/29/2021	14:33	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/29/2021	14:33	0		GST
Turbidity	SM 2130 B	0.29	NTU's		11/30/2021	16:50	0.10		LIZ

Sample ID 4MW23 @ RES REC

Sample Number	**AD18145**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**12/02/2021**			**Time Sampled**	**13:24**
Date Received	**12/02/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:04**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	568	umhos/cm	D	12/02/2021	13:27	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.91	mg/L	D	12/02/2021	13:27	0.01	0.03	GST
pH Field	FDEP FT 1100	6.68	Std Units	D	12/02/2021	13:27	0.10	0.10	GST
Temperature Field	FDEP FT 1400	24.5	Deg C	D	12/02/2021	13:27	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	29.61	Ft.	D	12/02/2021	13:27	0		GST

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst

Sample ID 4MW23 @ RES REC

Sample Number	**AD18145**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**12/02/2021**			**Time Sampled**	**13:24**
Date Received	**12/02/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:04**	**Delivered By**	**GT**	**Sample Type**	**SP**

Color by Observation	Observation	CLEAR	ObsColor	D	12/02/2021	13:27	0		GST
Turbidity	SM 2130 B	3.22	NTU's		12/03/2021	14:35	0.10		LIZ

Sample ID 4MW27 @ RESREC

Sample Number	**AD17784**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/23/2021**			**Time Sampled**	**12:07**
Date Received	**11/23/2021**	**Sampler**	**GTORREY**	**Received By**	**TA**
Time Received	**14:43**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	637	umhos/cm	D	11/23/2021	12:10	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.97	mg/L	D	11/23/2021	12:10	0.01	0.03	GST
pH Field	FDEP FT 1100	8.31	Std Units	D	11/23/2021	12:10	0.10	0.10	GST
Temperature Field	FDEP FT 1400	21.39	Deg C	D	11/23/2021	12:10	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	33.52	Ft.	D	11/23/2021	12:10	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/23/2021	12:10	0		GST
Turbidity	SM 2130 B	0.75	NTU's		11/23/2021	16:30	0.10		LIZ

Sample ID 4MW27D @ RESREC

Sample Number	**AD18078**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**12/01/2021**			**Time Sampled**	**16:32**
Date Received	**12/01/2021**	**Sampler**	**GTORREY**	**Received By**	**KS**
Time Received	**17:04**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	280	umhos/cm	D	12/01/2021	16:35	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.91	mg/L	D	12/01/2021	16:35	0.01	0.03	GST
pH Field	FDEP FT 1100	7.05	Std Units	D	12/01/2021	16:35	0.10	0.10	GST
Temperature Field	FDEP FT 1400	24.8	Deg C	D	12/01/2021	16:35	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	33.33	Ft.	D	12/01/2021	16:35	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	12/01/2021	16:35	0		GST
Turbidity	SM 2130 B	0.54	NTU's		12/03/2021	14:35	0.10		LIZ

Sample ID 4MW3A @ CLASS III

Sample Number	**AD17080**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/09/2021**			**Time Sampled**	**13:55**
Date Received	**11/09/2021**	**Sampler**	**GTORREY**	**Received By**	**TA**
Time Received	**14:44**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	445	umhos/cm	D	11/09/2021	13:58	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.51	mg/L	D	11/09/2021	13:58	0.01	0.03	GST
pH Field	FDEP FT 1100	6.85	Std Units	D	11/09/2021	13:58	0.10	0.10	GST
Temperature Field	FDEP FT 1400	23.35	Deg C	D	11/09/2021	13:58	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	30.32	Ft.	D	11/09/2021	13:58	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/09/2021	13:58	0		GST
Turbidity	SM 2130 B	0.94	NTU's		11/09/2021	16:15	0.10		LIZ

Sample ID 4MW4 @ RESREC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst

Sample ID 4MW4 @ RESREC

Sample Number	**AD17356**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/15/2021**			**Time Sampled**	**09:50**
Date Received	**11/15/2021**	**Sampler**	**GTORREY**	**Received By**	**TS**
Time Received	**15:13**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	418	umhos/cm	D	11/15/2021	09:53	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	3.63	mg/L	D	11/15/2021	09:53	0.01	0.03	GST
pH Field	FDEP FT 1100	6.75	Std Units	D	11/15/2021	09:53	0.10	0.10	GST
Temperature Field	FDEP FT 1400	24.10	Deg C	D	11/15/2021	09:53	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	29.31	Ft.	D	11/15/2021	09:53	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/15/2021	09:53	0		GST
Turbidity	SM 2130 B	1.53	NTU's		11/16/2021	15:00	0.10		LIZ

Sample ID 4MW5 @ RESREC

Sample Number	**AD17157**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/10/2021**			**Time Sampled**	**13:00**
Date Received	**11/10/2021**	**Sampler**	**GTORREY**	**Received By**	**TA**
Time Received	**14:41**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	594	umhos/cm	D	11/10/2021	13:03	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.91	mg/L	D	11/10/2021	13:03	0.01	0.03	GST
pH Field	FDEP FT 1100	6.67	Std Units	D	11/10/2021	13:03	0.10	0.10	GST
Temperature Field	FDEP FT 1400	24.04	Deg C	D	11/10/2021	13:03	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	30.16	Ft.	D	11/10/2021	13:03	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/10/2021	13:03	0		GST
Turbidity	SM 2130 B	0.25	NTU's		11/10/2021	16:21	0.10		EC

Sample ID 4MW6 @ RESREC

Sample Number	**AD17730**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/22/2021**			**Time Sampled**	**12:32**
Date Received	**11/22/2021**	**Sampler**	**GTORREY**	**Received By**	**TA**
Time Received	**15:11**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	159	umhos/cm	D	11/22/2021	12:35	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	5.97	mg/L	D	11/22/2021	12:35	0.01	0.03	GST
pH Field	FDEP FT 1100	7.188	Std Units	D	11/22/2021	12:35	0.10	0.10	GST
Temperature Field	FDEP FT 1400	24.47	Deg C	D	11/22/2021	12:35	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	33.58	Ft.	D	11/22/2021	12:35	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/22/2021	12:35	0		GST
Turbidity	SM 2130 B	0.14	NTU's		11/23/2021	16:30	0.10		LIZ

Sample ID 4MW7 @ RES REC

Sample Number	**AD17627**			**Sample Matrix**	**AQUEOUS-Groundwater**
Date Sampled	**11/19/2021**			**Time Sampled**	**12:56**
Date Received	**11/19/2021**	**Sampler**	**GTORREY**	**Received By**	**TA**
Time Received	**13:41**	**Delivered By**	**GT**	**Sample Type**	**SP**

Conductivity Field	FDEP FT 1200	370	umhos/cm	D	11/19/2021	12:59	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.61	mg/L	D	11/19/2021	12:59	0.01	0.03	GST
pH Field	FDEP FT 1100	6.84	Std Units	D	11/19/2021	12:59	0.10	0.10	GST
Temperature Field	FDEP FT 1400	26.12	Deg C	D	11/19/2021	12:59	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	31.87	Ft.	D	11/19/2021	12:59	0		GST

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sample ID	**4MW7 @ RES REC**								
Sample Number	**AD17627**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**11/19/2021**						**Time Sampled**	**12:56**	
Date Received	**11/19/2021**		**Sampler**	**GTORREY**			**Received By**	**TA**	
Time Received	**13:41**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Color by Observation	Observation	CLEAR	ObsColor	D	11/19/2021	12:59	0		GST
Turbidity	SM 2130 B	0.46	NTU's		11/19/2021	14:25	0.10		LIZ
Sample ID	**4MW9 @ CLASS III**								
Sample Number	**AD17626**						**Sample Matrix**	**AQUEOUS-Groundwater**	
Date Sampled	**11/19/2021**						**Time Sampled**	**10:33**	
Date Received	**11/19/2021**		**Sampler**	**GTORREY**			**Received By**	**TA**	
Time Received	**13:41**		**Delivered By**	**GT**			**Sample Type**	**SP**	
Conductivity Field	FDEP FT 1200	459	umhos/cm	D	11/19/2021	10:36	1	1	GST
Dissolved Oxygen Field	FDEP FT 1500	2.16	mg/L	D	11/19/2021	10:36	0.01	0.03	GST
pH Field	FDEP FT 1100	6.69	Std Units	D	11/19/2021	10:36	0.10	0.10	GST
Temperature Field	FDEP FT 1400	24.49	Deg C	D	11/19/2021	10:36	0.00	0.00	GST
Water Level (NGVD)	DEP-SOP	30.68	Ft.	D	11/19/2021	10:36	0		GST
Color by Observation	Observation	CLEAR	ObsColor	D	11/19/2021	10:36	0		GST
Turbidity	SM 2130 B	0.10	NTU's	U	11/19/2021	14:25	0.10		LIZ

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Batch Name	**NO3IC-44804**	**QA Sample ID**	**AD16980**						
Samples	**AD17077 AD17078 AD17080**								
Nitrate		3.614			11/09/2021	19:51	0.002		EC
Nitrate (N)		0.002		U	11/09/2021	19:51	0.002		EC
Cont Calb for Nitrate, IC		99.9			11/09/2021	19:51	0.00		EC
Nitrate (N)		6.24			11/09/2021	19:51	0.02		EC
Initial Calb for Nitrate, IC		3.61			11/09/2021	19:51	0.01		EC
Lab Control for Nitrate, IC		3.614			11/09/2021	19:51	0.002		EC
Nitrate (N)		6.24			11/09/2021	19:51	0.02		EC
Precision for Nitrate, IC		0.00			11/09/2021	19:51	0.00		EC
Recovery for Nitrate, IC		103			11/09/2021	19:51	0.00		EC
Spiked for Nitrate, IC		9.96			11/09/2021	19:51	0.02		EC
Batch Name	**NO3IC-44820**	**QA Sample ID**	**AD17157**						
Samples	**AD17157 AD17158**								
Nitrate		3.614			11/11/2021	04:30	0.002		EC
Nitrate (N)		0.002		U	11/11/2021	04:30	0.002		EC
Cont Calb for Nitrate, IC		101			11/11/2021	04:30	0.00		EC
Nitrate (N)		0.72			11/11/2021	04:30	0.002		EC
Initial Calb for Nitrate, IC		3.64			11/11/2021	04:30	0.01		EC
Lab Control for Nitrate, IC		3.614			11/11/2021	04:30	0.002		EC
Nitrate (N)		0.72			11/11/2021	04:30	0.002		EC
Precision for Nitrate, IC		0.00			11/11/2021	04:30	0.00		EC
Recovery for Nitrate, IC		96.0			11/11/2021	04:30	0.00		EC
Spiked for Nitrate, IC		4.19			11/11/2021	04:30	0.01		EC
Batch Name	**NO3IC-44907**	**QA Sample ID**	**AD17358**						
Samples	**AD17356 AD17357 AD17358**								
Nitrate		3.614			11/16/2021	18:28	0.002		EC
Nitrate (N)		0.002		U	11/16/2021	18:28	0.003		EC
Cont Calb for Nitrate, IC		107			11/16/2021	18:28	0.00		EC
Nitrate (N)		0.47			11/16/2021	18:28	0.002		EC
Initial Calb for Nitrate, IC		3.85			11/16/2021	18:28	0.01		EC
Lab Control for Nitrate, IC		3.61			11/16/2021	18:28	0.002		EC
Nitrate (N)		0.47			11/16/2021	18:28	0.002		EC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Batch Name	**NO3IC-44907**	**QA Sample ID**	**AD17358**						
Samples	**AD17356 AD17357 AD17358**								
Precision for Nitrate, IC		0.00			11/16/2021	18:28	0.00		EC
Recovery for Nitrate, IC		100			11/16/2021	18:28	0.00		EC
Spiked for Nitrate, IC		4.09			11/16/2021	18:28	0.01		EC
Batch Name	**NO3IC-44962**	**QA Sample ID**	**AD17627**						
Samples	**AD17626 AD17627**								
Nitrate		3.614			11/19/2021	19:47	0.002		EC
Nitrate (N)		0.002		U	11/19/2021	19:47	0.002		EC
Cont Calb for Nitrate, IC		99.3			11/19/2021	19:47	0.00		EC
Nitrate (N)		0.36			11/19/2021	19:47	0.002		EC
Initial Calb for Nitrate, IC		3.59			11/19/2021	19:47	0.01		EC
Lab Control for Nitrate, IC		3.614			11/19/2021	19:47	0.002		EC
Nitrate (N)		0.36			11/19/2021	19:47	0.002		EC
Precision for Nitrate, IC		0.00			11/19/2021	19:47	0.00		EC
Recovery for Nitrate, IC		99.9			11/19/2021	19:47	0.00		EC
Spiked for Nitrate, IC		3.97			11/19/2021	19:47	0.01		EC
Batch Name	**NO3IC-45010**	**QA Sample ID**	**AD17730**						
Samples	**AD17730**								
Nitrate		3.614			11/22/2021	20:13	0.002		EC
Nitrate (N)		0.002		U	11/22/2021	20:13	0.002		EC
Cont Calb for Nitrate, IC		102			11/22/2021	20:13	0.00		EC
Nitrate (N)		0.48			11/22/2021	20:13	0.002		EC
Initial Calb for Nitrate, IC		3.68			11/22/2021	20:13	0.01		EC
Lab Control for Nitrate, IC		3.614			11/22/2021	20:13	0.002		EC
Nitrate (N)		0.49			11/22/2021	20:13	0.002		EC
Precision for Nitrate, IC		2.06			11/22/2021	20:13	0.00		EC
Recovery for Nitrate, IC		99.6			11/22/2021	20:13	0.00		EC
Spiked for Nitrate, IC		4.09			11/22/2021	20:13	0.01		EC
Batch Name	**NO3IC-45026**	**QA Sample ID**	**AD17784**						
Samples	**AD17784 AD17786**								
Nitrate		3.614			11/23/2021	20:38	0.002		EC
Nitrate (N)		0.002		U	11/23/2021	20:38	0.002		EC
Cont Calb for Nitrate, IC		103			11/23/2021	20:38	0.00		EC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Batch Name	**NO3IC-45026**	**QA Sample ID**	**AD17784**						
Samples	**AD17784 AD17786**								
Nitrate (N)		0.09			11/23/2021	20:38	0.002		EC
Initial Calb for Nitrate, IC		3.73			11/23/2021	20:38	0.01		EC
Lab Control for Nitrate, IC		3.614			11/23/2021	20:38	0.002		EC
Nitrate (N)		0.09			11/23/2021	20:38	0.002		EC
Precision for Nitrate, IC		0.00			11/23/2021	20:38	0.00		EC
Recovery for Nitrate, IC		99.6			11/23/2021	20:38	0.00		EC
Spiked for Nitrate, IC		3.69			11/23/2021	20:38	0.01		EC
Batch Name	**NO3IC-45101**	**QA Sample ID**	**AD17902**						
Samples	**AD17901 AD17902 AD17935 AD17936 AD17939 AD17940**								
Nitrate		3.614			12/01/2021	05:43	0.002		EC
Nitrate (N)		0.002		U	12/01/2021	05:43	0.002		EC
Cont Calb for Nitrate, IC		101			12/01/2021	05:43	0.00		EC
Nitrate (N) Duplicate, IC		0.12			12/01/2021	05:43	0.002		EC
Initial Calb for Nitrate, IC		3.649			12/01/2021	05:43	0.01		EC
Lab Control for Nitrate, IC		3.614			12/01/2021	05:43	0.002		EC
Nitrate (N)		0.12			12/01/2021	05:43	0.002		EC
Precision for Nitrate, IC		0.00			12/01/2021	05:43	0.00		EC
Recovery for Nitrate, IC		102			12/01/2021	05:43	0.00		EC
Spiked for Nitrate, IC		3.82			12/01/2021	05:43	0.01		EC
Batch Name	**NO3IC-45138**	**QA Sample ID**	**AD18078**						
Samples	**AD18078**								
Nitrate		3.614			12/03/2021	01:12	0.002		EC
Nitrate (N)		0.002		U	12/03/2021	01:12	0.002		EC
Cont Calb for Nitrate, IC		103			12/03/2021	01:12	0.00		EC
Nitrate (N) Duplicate, IC		0.012		I	12/03/2021	01:12	0.002		EC
Initial Calb for Nitrate, IC		3.71			12/03/2021	01:12	0.01		EC
Lab Control for Nitrate, IC		3.614			12/03/2021	01:12	0.003		EC
Nitrate (N)		0.012		I	12/03/2021	01:12	0.002		EC
Precision for Nitrate, IC		0.00			12/03/2021	01:12	0.00		EC
Recovery for Nitrate, IC		105			12/03/2021	01:12	0.00		EC
Spiked for Nitrate, IC		3.79			12/03/2021	01:12	0.01		EC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Batch Name	**NO3IC-45187**	**QA Sample ID**	**AD18139**						
Samples	**AD18138 AD18139 AD18142 AD18145**								
Nitrate		3.614			12/03/2021	21:32	0.002		EC
Nitrate (N)		0.002		U	12/03/2021	21:32	0.002		EC
Cont Calb for Nitrate, IC		103			12/03/2021	21:32	0.00		EC
Nitrate (N) Duplicate, IC		2.01			12/03/2021	21:32	0.004		EC
Initial Calb for Nitrate, IC		3.74			12/03/2021	21:32	0.01		EC
Lab Control for Nitrate, IC		3.614			12/03/2021	21:32	0.002		EC
Nitrate (N)		2.00			12/03/2021	21:32	0.004		EC
Precision for Nitrate, IC		0.499			12/03/2021	21:32	0.00		EC
Recovery for Nitrate, IC		102			12/03/2021	21:32	0.00		EC
Spiked for Nitrate, IC		5.68			12/03/2021	21:32	0.01		EC
Batch Name	**NO3IC-45370**	**QA Sample ID**	**AD18881**						
Samples	**AD18881**								
Nitrate		3.614			12/17/2021	19:10	0.002		EC
Nitrate (N)		0.002		U	12/17/2021	19:10	0.002		EC
Cont Calb for Nitrate, IC		97.1			12/17/2021	19:10	0.00		EC
Nitrate (N) Duplicate, IC		1.92			12/17/2021	19:10	0.004		EC
Initial Calb for Nitrate, IC		3.51			12/17/2021	19:10	0.01		EC
Lab Control for Nitrate, IC		3.614			12/17/2021	19:10	0.002		EC
Nitrate (N)		1.92			12/17/2021	19:10	0.004		EC
Precision for Nitrate, IC		0.00			12/17/2021	19:10	0.00		EC
Recovery for Nitrate, IC		98.0			12/17/2021	19:10	0.00		EC
Spiked for Nitrate, IC		5.46			12/17/2021	19:10	0.01		EC
Batch Name	**TURB-44832**	**QA Sample ID**	**AD17078**						
Samples	**AD17077 AD17078 AD17080**								
Blank forTurbidity		0.22		U	11/09/2021	16:15	0.22		LIZ
Duplicate for Turbidity		0.085			11/09/2021	16:15	0.22		LIZ
Duplicate Precision for Turbidity		16.2			01/13/2022	11:19			CEM
Turbidity		0.10		U	11/09/2021	16:15	0.10		LIZ
Batch Name	**TURB-44837**	**QA Sample ID**	**AD17158**						
Samples	**AD17157 AD17158**								
Blank forTurbidity		0.22		U	11/10/2021	16:21	0.22		EC
Duplicate for Turbidity		0.92			11/10/2021	16:21	0.22		EC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Batch Name	**TURB-44837**	**QA Sample ID**	**AD17158**						
Samples	**AD17157 AD17158**								
Duplicate Precision for Turbidity		0.00			11/12/2021	14:02			LIZ
Turbidity		0.92			11/10/2021	16:21	0.10		EC
Batch Name	**TURB-44909**	**QA Sample ID**	**AD17358**						
Samples	**AD17356 AD17357 AD17358**								
Blank forTurbidity		0.22		U	11/16/2021	15:00	0.22		LIZ
Duplicate for Turbidity		0.46			11/16/2021	15:00	0.22		LIZ
Duplicate Precision for Turbidity		0.00			11/17/2021	13:56			LIZ
Turbidity		0.46			11/16/2021	15:00	0.10		LIZ
Batch Name	**TURB-44960**	**QA Sample ID**	**AD17627**						
Samples	**AD17626 AD17627**								
Blank forTurbidity		0.22		U	11/19/2021	14:25	0.22		LIZ
Duplicate for Turbidity		0.48			11/19/2021	14:25	0.22		LIZ
Duplicate Precision for Turbidity		4.26			11/22/2021	08:50			LIZ
Turbidity		0.46			11/19/2021	14:25	0.10		LIZ
Batch Name	**TURB-45031**	**QA Sample ID**	**AD17786**						
Samples	**AD17730 AD17784 AD17786**								
Blank forTurbidity		0.22		U	11/23/2021	16:30	0.22		LIZ
Duplicate for Turbidity		0.84			11/23/2021	16:30	0.22		LIZ
Duplicate Precision for Turbidity		4.88			11/24/2021	10:03			LIZ
Turbidity		0.80			11/23/2021	16:30	0.10		LIZ
Batch Name	**TURB-45082**	**QA Sample ID**	**AD17940**						
Samples	**AD17901 AD17902 AD17935 AD17936 AD17939 AD17940**								
Blank forTurbidity		0.22		U	11/30/2021	16:50	0.22		LIZ
Duplicate for Turbidity		0.56			11/30/2021	16:50	0.22		LIZ
Duplicate Precision for Turbidity		5.50			12/01/2021	11:43			LIZ
Turbidity		0.53			11/30/2021	16:50	0.10		LIZ
Batch Name	**TURB-45176**	**QA Sample ID**	**AD18145**						
Samples	**AD18078 AD18138 AD18139 AD18142 AD18145**								
Blank forTurbidity		0.22		U	12/03/2021	14:35	0.22		LIZ
Duplicate for Turbidity		3.51			12/03/2021	14:35	0.22		LIZ
Duplicate Precision for Turbidity		8.62			12/03/2021	15:18			LIZ

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Batch Name	**TURB-45176**	**QA Sample ID**	**AD18145**						
Samples	**AD18078 AD18138 AD18139 AD18142 AD18145**								
Turbidity		3.22			12/03/2021	14:35	0.10		LIZ
Batch Name	**TURB-45373**	**QA Sample ID**	**AD18881**						
Samples	**AD18881**								
Blank forTurbidity		0.22		U	12/17/2021	16:13	0.22		LIZ
Duplicate for Turbidity		0.25			12/17/2021	16:13	0.22		LIZ
Duplicate Precision for Turbidity		18.2			12/20/2021	09:35			CSC
Turbidity		0.30			12/17/2021	16:13	0.10		LIZ

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

November 29, 2021

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

RE: Project: Resource Recovery Landfill
Pace Project No.: 35676494

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 2021. 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
Justin N. Komninos, Pasco County Environmental Laboratory

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project:	Resource Recovery Landfill
Pace Project No.:	35676494

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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35676494001	**AD17077 2MW2**	Water	11/09/21 08:12	11/10/21 14:48
35676494002	**AD17078 4MW2**	Water	11/09/21 11:43	11/10/21 14:48
35676494003	**AD17080 4MW3A**	Water	11/09/21 13:58	11/10/21 14:48

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35676494001	**AD17077 2MW2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35676494002	**AD17078 4MW2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35676494003	**AD17080 4MW3A**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Sample: AD17077 2MW2 **Lab ID: 35676494001** Collected: 11/09/21 08:12 Received: 11/10/21 14:48 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	11/16/21 15:40	11/18/21 01:23	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	11/16/21 15:40	11/18/21 01:23	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/11/21 14:39	11/16/21 11:16	7440-38-2	
Barium	**28.1**	ug/L	10.0	0.84	1	11/11/21 14:39	11/16/21 11:16	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/11/21 14:39	11/16/21 11:16	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	11/11/21 14:39	11/16/21 11:16	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/11/21 14:39	11/16/21 11:16	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/11/21 14:39	11/16/21 11:16	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/11/21 14:39	11/16/21 11:16	7440-50-8	
Iron	**32.7 I**	ug/L	40.0	25.0	1	11/11/21 14:39	11/16/21 11:16	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/11/21 14:39	11/16/21 11:16	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	11/11/21 14:39	11/16/21 11:16	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/11/21 14:39	11/16/21 11:16	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/11/21 14:39	11/16/21 11:16	7440-22-4	
Sodium	**2.3**	mg/L	2.0	0.54	1	11/11/21 14:39	11/16/21 11:16	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	11/11/21 14:39	11/16/21 11:16	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/11/21 14:39	11/16/21 11:16	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/11/21 14:39	11/16/21 13:07	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/11/21 14:39	11/16/21 13:07	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	11/16/21 08:31	11/17/21 11:45	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/18/21 08:47	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/18/21 08:47	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 08:47	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/18/21 08:47	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/18/21 08:47	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/18/21 08:47	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/18/21 08:47	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/18/21 08:47	78-93-3	J(v2)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/18/21 08:47	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/18/21 08:47	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/18/21 08:47	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/18/21 08:47	75-00-3	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Sample: AD17077 2MW2 **Lab ID: 35676494001** Collected: 11/09/21 08:12 Received: 11/10/21 14:48 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/18/21 08:47	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/18/21 08:47	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/18/21 08:47	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/18/21 08:47	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/18/21 08:47	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/18/21 08:47	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/18/21 08:47	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/18/21 08:47	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/18/21 08:47	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/18/21 08:47	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/18/21 08:47	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/18/21 08:47	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/18/21 08:47	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/18/21 08:47	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/18/21 08:47	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 08:47	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/18/21 08:47	591-78-6	J(v2)
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/18/21 08:47	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/18/21 08:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/18/21 08:47	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/18/21 08:47	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/18/21 08:47	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/18/21 08:47	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/18/21 08:47	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/18/21 08:47	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 08:47	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 08:47	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/18/21 08:47	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/18/21 08:47	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/18/21 08:47	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/18/21 08:47	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/18/21 08:47	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/18/21 08:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/18/21 08:47	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		11/18/21 08:47	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/18/21 08:47	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**45.0**	mg/L	5.0	5.0	1		11/12/21 19:31		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**4.6 I**	mg/L	5.0	2.5	1		11/16/21 15:38	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Sample: AD17077 2MW2 **Lab ID: 35676494001** Collected: 11/09/21 08:12 Received: 11/10/21 14:48 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		11/17/21 14:30	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Sample: AD17078 4MW2 **Lab ID: 35676494002** Collected: 11/09/21 11:43 Received: 11/10/21 14:48 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 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.021	0.0066	1	11/16/21 15:40	11/18/21 01:37	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	11/16/21 15:40	11/18/21 01:37	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/11/21 14:39	11/16/21 11:20	7440-38-2	
Barium	**7.1 I**	ug/L	10.0	0.84	1	11/11/21 14:39	11/16/21 11:20	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/11/21 14:39	11/16/21 11:20	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	11/11/21 14:39	11/16/21 11:20	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/11/21 14:39	11/16/21 11:20	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/11/21 14:39	11/16/21 11:20	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/11/21 14:39	11/16/21 11:20	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	11/11/21 14:39	11/16/21 11:20	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/11/21 14:39	11/16/21 11:20	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	11/11/21 14:39	11/16/21 11:20	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/11/21 14:39	11/16/21 11:20	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/11/21 14:39	11/16/21 11:20	7440-22-4	
Sodium	**2.6**	mg/L	2.0	0.54	1	11/11/21 14:39	11/16/21 11:20	7440-23-5	
Vanadium	**5.9 I**	ug/L	10.0	1.0	1	11/11/21 14:39	11/16/21 11:20	7440-62-2	
Zinc	**17.1 I**	ug/L	20.0	11.0	1	11/11/21 14:39	11/16/21 11:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/11/21 14:39	11/16/21 13:08	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/11/21 14:39	11/16/21 13:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	11/16/21 08:31	11/17/21 11:47	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/18/21 09:32	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/18/21 09:32	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 09:32	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/18/21 09:32	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/18/21 09:32	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/18/21 09:32	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/18/21 09:32	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/18/21 09:32	78-93-3	J(v2)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/18/21 09:32	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/18/21 09:32	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/18/21 09:32	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/18/21 09:32	75-00-3	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Sample: AD17078 4MW2 **Lab ID: 35676494002** Collected: 11/09/21 11:43 Received: 11/10/21 14:48 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/18/21 09:32	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/18/21 09:32	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/18/21 09:32	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/18/21 09:32	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/18/21 09:32	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/18/21 09:32	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/18/21 09:32	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/18/21 09:32	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/18/21 09:32	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/18/21 09:32	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/18/21 09:32	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/18/21 09:32	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/18/21 09:32	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/18/21 09:32	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/18/21 09:32	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 09:32	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/18/21 09:32	591-78-6	J(v2)
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/18/21 09:32	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/18/21 09:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/18/21 09:32	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/18/21 09:32	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/18/21 09:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/18/21 09:32	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/18/21 09:32	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/18/21 09:32	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 09:32	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 09:32	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/18/21 09:32	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/18/21 09:32	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/18/21 09:32	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/18/21 09:32	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/18/21 09:32	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/18/21 09:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		11/18/21 09:32	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		11/18/21 09:32	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/18/21 09:32	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**23000**	mg/L	250	250	1		11/15/21 16:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**5.8**	mg/L	5.0	2.5	1		11/16/21 16:43	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Sample: AD17078 4MW2 **Lab ID: 35676494002** Collected: 11/09/21 11:43 Received: 11/10/21 14:48 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		11/17/21 14:32	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Sample: AD17080 4MW3A **Lab ID: 35676494003** Collected: 11/09/21 13:58 Received: 11/10/21 14:48 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	11/16/21 15:40	11/18/21 01:52	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	11/16/21 15:40	11/18/21 01:52	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/11/21 14:39	11/16/21 11:24	7440-38-2	
Barium	**11.6**	ug/L	10.0	0.84	1	11/11/21 14:39	11/16/21 11:24	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/11/21 14:39	11/16/21 11:24	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	11/11/21 14:39	11/16/21 11:24	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/11/21 14:39	11/16/21 11:24	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/11/21 14:39	11/16/21 11:24	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/11/21 14:39	11/16/21 11:24	7440-50-8	
Iron	**160**	ug/L	40.0	25.0	1	11/11/21 14:39	11/16/21 11:24	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/11/21 14:39	11/16/21 11:24	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	11/11/21 14:39	11/16/21 11:24	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/11/21 14:39	11/16/21 11:24	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/11/21 14:39	11/16/21 11:24	7440-22-4	
Sodium	**10.6**	mg/L	2.0	0.54	1	11/11/21 14:39	11/16/21 11:24	7440-23-5	
Vanadium	**1.4 I**	ug/L	10.0	1.0	1	11/11/21 14:39	11/16/21 11:24	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/11/21 14:39	11/16/21 11:24	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/11/21 14:39	11/16/21 13:09	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/11/21 14:39	11/16/21 13:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	11/16/21 08:31	11/17/21 11:49	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/18/21 14:25	67-64-1	
Acrylonitrile	**0.93 U**	ug/L	20.0	0.93	1		11/18/21 14:25	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 14:25	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/18/21 14:25	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/18/21 14:25	75-27-4	
Bromoform	**1.0 U**	ug/L	3.0	1.0	1		11/18/21 14:25	75-25-2	J(v2)
Bromomethane	**2.3 U**	ug/L	10.0	2.3	1		11/18/21 14:25	74-83-9	J(v2)
2-Butanone (MEK)	**3.4 U**	ug/L	50.0	3.4	1		11/18/21 14:25	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/18/21 14:25	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/18/21 14:25	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/18/21 14:25	108-90-7	
Chloroethane	**1.4 U**	ug/L	10.0	1.4	1		11/18/21 14:25	75-00-3	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Sample: AD17080 4MW3A **Lab ID: 35676494003** Collected: 11/09/21 13:58 Received: 11/10/21 14:48 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/18/21 14:25	67-66-3	
Chloromethane	**0.96 U**	ug/L	1.0	0.96	1		11/18/21 14:25	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/18/21 14:25	124-48-1	J(v2)
Dibromomethane	**0.24 U**	ug/L	2.0	0.24	1		11/18/21 14:25	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/18/21 14:25	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/18/21 14:25	106-46-7	
trans-1,4-Dichloro-2-butene	**0.53 U**	ug/L	10.0	0.53	1		11/18/21 14:25	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/18/21 14:25	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/18/21 14:25	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/18/21 14:25	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/18/21 14:25	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/18/21 14:25	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/18/21 14:25	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/18/21 14:25	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/18/21 14:25	10061-02-6	J(v2)
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 14:25	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/18/21 14:25	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/18/21 14:25	74-88-4	J(v2)
Methylene Chloride	**1.5 U**	ug/L	5.0	1.5	1		11/18/21 14:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	**2.8 U**	ug/L	25.0	2.8	1		11/18/21 14:25	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/18/21 14:25	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/18/21 14:25	630-20-6	
1,1,2,2-Tetrachloroethane	**0.18 U**	ug/L	1.0	0.18	1		11/18/21 14:25	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/18/21 14:25	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/18/21 14:25	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 14:25	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/18/21 14:25	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/18/21 14:25	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/18/21 14:25	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/18/21 14:25	96-18-4	
Vinyl acetate	**0.84 U**	ug/L	10.0	0.84	1		11/18/21 14:25	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/18/21 14:25	75-01-4	
Xylene (Total)	**0.63 U**	ug/L	5.0	0.63	1		11/18/21 14:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/18/21 14:25	460-00-4	
Toluene-d8 (S)	119	%	70-130		1		11/18/21 14:25	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/18/21 14:25	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**226**	mg/L	5.0	5.0	1		11/15/21 13:21		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**22.1**	mg/L	10.0	5.0	2		11/16/21 17:05	16887-00-6	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Sample: AD17080 4MW3A **Lab ID: 35676494003** Collected: 11/09/21 13:58 Received: 11/10/21 14:48 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.12**	mg/L	0.050	0.035	1		11/17/21 14:34	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 778164
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494001, 35676494002, 35676494003

METHOD BLANK: 4264448
Matrix: Water
Associated Lab Samples: 35676494001, 35676494002, 35676494003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	11/17/21 10:45	

LABORATORY CONTROL SAMPLE: 4264449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4264450 4264451

Parameter	Units	35676912006 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	99	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 777109
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494001, 35676494002, 35676494003

METHOD BLANK: 4257445
Matrix: Water
Associated Lab Samples: 35676494001, 35676494002, 35676494003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4 U	10.0	3.4	11/16/21 09:26	
Barium	ug/L	0.84 U	10.0	0.84	11/16/21 09:26	
Beryllium	ug/L	0.17 U	4.0	0.17	11/16/21 09:26	
Cadmium	ug/L	0.33 U	1.0	0.33	11/16/21 09:26	
Chromium	ug/L	1.7 U	5.0	1.7	11/16/21 09:26	
Cobalt	ug/L	0.96 U	10.0	0.96	11/16/21 09:26	
Copper	ug/L	2.6 U	5.0	2.6	11/16/21 09:26	
Iron	ug/L	25.0 U	40.0	25.0	11/16/21 09:26	
Lead	ug/L	4.6 U	10.0	4.6	11/16/21 09:26	
Nickel	ug/L	2.1 U	5.0	2.1	11/16/21 09:26	
Selenium	ug/L	3.9 U	15.0	3.9	11/16/21 09:26	
Silver	ug/L	1.0 U	5.0	1.0	11/16/21 09:26	
Sodium	mg/L	0.54 U	2.0	0.54	11/16/21 09:26	
Vanadium	ug/L	1.0 U	10.0	1.0	11/16/21 09:26	
Zinc	ug/L	11.0 U	20.0	11.0	11/16/21 09:26	

LABORATORY CONTROL SAMPLE: 4257446

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	207	104	80-120	
Barium	ug/L	200	207	103	80-120	
Beryllium	ug/L	20	20.7	104	80-120	
Cadmium	ug/L	20	21.2	106	80-120	
Chromium	ug/L	200	213	106	80-120	
Cobalt	ug/L	200	211	105	80-120	
Copper	ug/L	200	200	100	80-120	
Iron	ug/L	2000	2110	106	80-120	
Lead	ug/L	200	208	104	80-120	
Nickel	ug/L	200	213	107	80-120	
Selenium	ug/L	200	209	104	80-120	
Silver	ug/L	20	20.7	104	80-120	
Sodium	mg/L	10	10.1	101	80-120	
Vanadium	ug/L	200	206	103	80-120	
Zinc	ug/L	1000	1080	108	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4257447 4257448

Parameter	Units	35676137001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	3.4 U	200	200	208	206	103	102	75-125	1	20	
Barium	ug/L	382	200	200	590	575	104	97	75-125	2	20	
Beryllium	ug/L	0.17 U	20	20	20.7	20.5	104	103	75-125	1	20	
Cadmium	ug/L	0.33 U	20	20	20.5	20.8	103	104	75-125	1	20	
Chromium	ug/L	156	200	200	369	365	106	104	75-125	1	20	
Cobalt	ug/L	6.2 I	200	200	210	209	102	101	75-125	1	20	
Copper	ug/L	3.7 I	200	200	213	211	104	103	75-125	1	20	
Iron	ug/L	43.4	2000	2000	2100	2090	103	102	75-125	1	20	
Lead	ug/L	4.6 U	200	200	202	200	101	100	75-125	1	20	
Nickel	ug/L	3.0 I	200	200	209	207	103	102	75-125	1	20	
Selenium	ug/L	3.9 U	200	200	204	202	102	101	75-125	1	20	
Silver	ug/L	1.0 U	20	20	21.8	21.7	107	106	75-125	1	20	
Sodium	mg/L	5.7	10	10	16.7	16.5	110	108	75-125	1	20	
Vanadium	ug/L	1.5 I	200	200	211	209	105	104	75-125	1	20	
Zinc	ug/L	13.8 I	1000	1000	1030	1030	102	101	75-125	1	20	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 777108
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494001, 35676494002, 35676494003

METHOD BLANK: 4257441
Matrix: Water
Associated Lab Samples: 35676494001, 35676494002, 35676494003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/16/21 12:34	
Thallium	ug/L	0.11 U	1.0	0.11	11/16/21 12:34	

LABORATORY CONTROL SAMPLE: 4257442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.0	98	80-120	
Thallium	ug/L	50	49.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4257443 4257444

Parameter	Units	35676137002 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	48.6	49.6	97	99	75-125	2	20	
Thallium	ug/L	0.11 U	50	50	48.5	49.9	97	100	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 778801
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494001, 35676494002

METHOD BLANK: 4269039
Matrix: Water
Associated Lab Samples: 35676494001, 35676494002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	11/18/21 00:44	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/18/21 00:44	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	11/18/21 00:44	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/18/21 00:44	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	11/18/21 00:44	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	11/18/21 00:44	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	11/18/21 00:44	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	11/18/21 00:44	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	11/18/21 00:44	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	11/18/21 00:44	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	11/18/21 00:44	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	11/18/21 00:44	J(v2)
2-Hexanone	ug/L	3.2 U	25.0	3.2	11/18/21 00:44	J(v2)
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	11/18/21 00:44	
Acetone	ug/L	5.3 U	25.0	5.3	11/18/21 00:44	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	11/18/21 00:44	
Benzene	ug/L	0.30 U	1.0	0.30	11/18/21 00:44	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	11/18/21 00:44	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	11/18/21 00:44	
Bromoform	ug/L	0.48 U	3.0	0.48	11/18/21 00:44	J(v2)
Bromomethane	ug/L	8.1 U	10.0	8.1	11/18/21 00:44	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	11/18/21 00:44	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	11/18/21 00:44	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	11/18/21 00:44	
Chloroethane	ug/L	3.7 U	10.0	3.7	11/18/21 00:44	
Chloroform	ug/L	0.32 U	1.0	0.32	11/18/21 00:44	
Chloromethane	ug/L	0.43 U	1.0	0.43	11/18/21 00:44	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	11/18/21 00:44	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	11/18/21 00:44	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	11/18/21 00:44	
Dibromomethane	ug/L	0.68 U	2.0	0.68	11/18/21 00:44	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	11/18/21 00:44	
Iodomethane	ug/L	9.3 U	10.0	9.3	11/18/21 00:44	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	11/18/21 00:44	
Styrene	ug/L	0.26 U	1.0	0.26	11/18/21 00:44	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	11/18/21 00:44	
Toluene	ug/L	0.33 U	1.0	0.33	11/18/21 00:44	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	11/18/21 00:44	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	11/18/21 00:44	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	11/18/21 00:44	J(v2)

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

METHOD BLANK: 4269039 Matrix: Water
Associated Lab Samples: 35676494001, 35676494002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	11/18/21 00:44	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	11/18/21 00:44	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	11/18/21 00:44	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	11/18/21 00:44	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	11/18/21 00:44	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		11/18/21 00:44	
4-Bromofluorobenzene (S)	%	97	70-130		11/18/21 00:44	
Toluene-d8 (S)	%	99	70-130		11/18/21 00:44	

LABORATORY CONTROL SAMPLE: 4269040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	16.7	84	70-130	
1,1,1-Trichloroethane	ug/L	20	17.0	85	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	16.8	84	68-125	
1,1,2-Trichloroethane	ug/L	20	19.0	95	70-130	
1,1-Dichloroethane	ug/L	20	19.7	99	70-130	
1,1-Dichloroethene	ug/L	20	19.6	98	66-133	
1,2,3-Trichloropropane	ug/L	20	18.0	90	62-127	
1,2-Dichlorobenzene	ug/L	20	17.8	89	70-130	
1,2-Dichloroethane	ug/L	20	17.7	88	70-130	
1,2-Dichloropropane	ug/L	20	18.3	91	70-130	
1,4-Dichlorobenzene	ug/L	20	18.4	92	70-130	
2-Butanone (MEK)	ug/L	100	73.6	74	47-143	J(v3)
2-Hexanone	ug/L	100	74.5	74	48-145	J(v3)
4-Methyl-2-pentanone (MIBK)	ug/L	100	84.3	84	57-132	
Acetone	ug/L	100	81.8	82	46-148	
Acrylonitrile	ug/L	100	104	104	60-143	
Benzene	ug/L	20	19.2	96	70-130	
Bromochloromethane	ug/L	20	18.4	92	70-130	
Bromodichloromethane	ug/L	20	17.5	88	70-130	
Bromoform	ug/L	20	13.7	68	49-126	J(v3)
Bromomethane	ug/L	20	23.1	115	10-165	
Carbon disulfide	ug/L	20	18.5	93	60-141	
Carbon tetrachloride	ug/L	20	15.9	80	63-126	
Chlorobenzene	ug/L	20	18.5	92	70-130	
Chloroethane	ug/L	20	20.2	101	71-142	
Chloroform	ug/L	20	17.7	89	70-130	
Chloromethane	ug/L	20	18.7	94	40-140	
cis-1,2-Dichloroethene	ug/L	20	18.6	93	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.6	88	70-130	
Dibromochloromethane	ug/L	20	16.2	81	62-118	
Dibromomethane	ug/L	20	16.0	80	70-130	
Ethylbenzene	ug/L	20	19.0	95	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

LABORATORY CONTROL SAMPLE: 4269040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	16.9	85	10-164	
Methylene Chloride	ug/L	20	19.7	98	65-136	
Styrene	ug/L	20	18.3	91	70-130	
Tetrachloroethene	ug/L	20	18.0	90	64-134	
Toluene	ug/L	20	18.9	95	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.5	92	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.3	87	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	15.9	79	42-129	J(v3)
Trichloroethene	ug/L	20	18.2	91	70-130	
Trichlorofluoromethane	ug/L	20	19.4	97	65-135	
Vinyl acetate	ug/L	20	23.9	119	60-144	
Vinyl chloride	ug/L	20	20.0	100	68-131	
Xylene (Total)	ug/L	60	55.4	92	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			93	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 4269042

Parameter	Units	35676494002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	17.5	87	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	18.8	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.3	92	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	20.0	100	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	22.0	110	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.1	110	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	19.3	97	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.6	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	20.4	102	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.9	90	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	78.5	78	47-143	J(v3)
2-Hexanone	ug/L	3.2 U	100	83.9	84	48-145	J(v3)
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	90.8	91	57-132	
Acetone	ug/L	5.3 U	100	84.3	84	46-148	
Acrylonitrile	ug/L	3.7 U	100	114	114	60-143	
Benzene	ug/L	0.30 U	20	21.3	106	70-130	
Bromochloromethane	ug/L	0.37 U	20	18.9	95	70-130	
Bromodichloromethane	ug/L	0.19 U	20	18.3	91	70-130	
Bromoform	ug/L	0.48 U	20	13.4	67	49-126	J(v3)
Bromomethane	ug/L	8.1 U	20	8.1 U	27	10-165	
Carbon disulfide	ug/L	1.8 U	20	20.1	101	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	17.5	88	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.7	98	70-130	
Chloroethane	ug/L	3.7 U	20	18.9	95	71-142	

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REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

MATRIX SPIKE SAMPLE: 4269042

Parameter	Units	35676494002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	20.1	100	70-130	
Chloromethane	ug/L	0.43 U	20	19.6	98	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	18.3	91	70-130	
Dibromochloromethane	ug/L	0.45 U	20	16.1	80	62-118	
Dibromomethane	ug/L	0.68 U	20	17.4	87	70-130	
Ethylbenzene	ug/L	0.30 U	20	20.0	100	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	11	10-164	
Methylene Chloride	ug/L	4.4 U	20	20.4	102	65-136	
Styrene	ug/L	0.26 U	20	18.8	94	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.6	88	64-134	
Toluene	ug/L	0.33 U	20	19.9	99	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.5	103	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	17.5	87	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	15.3	77	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	20.3	102	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	22.9	114	65-135	
Vinyl acetate	ug/L	1.8 U	20	22.4	112	60-144	
Vinyl chloride	ug/L	0.39 U	20	23.1	115	68-131	
Xylene (Total)	ug/L	2.1 U	60	58.3	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				92	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 4269041

Parameter	Units	35676494001 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	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	21.0 U	21.0 U		40	J(v2)
2-Hexanone	ug/L	3.2 U	3.2 U		40	J(v2)
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 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.: 35676494

SAMPLE DUPLICATE: 4269041

Parameter	Units	35676494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	J(v2)
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 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	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	100	101		40	
4-Bromofluorobenzene (S)	%	96	93		40	
Toluene-d8 (S)	%	102	100		40	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 778807
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494003

METHOD BLANK: 4269054
Matrix: Water
Associated Lab Samples: 35676494003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	11/18/21 06:30	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/18/21 06:30	
1,1,2,2-Tetrachloroethane	ug/L	0.18 U	1.0	0.18	11/18/21 06:30	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/18/21 06:30	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	11/18/21 06:30	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	11/18/21 06:30	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	11/18/21 06:30	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	11/18/21 06:30	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	11/18/21 06:30	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	11/18/21 06:30	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	11/18/21 06:30	
2-Butanone (MEK)	ug/L	3.4 U	50.0	3.4	11/18/21 06:30	
2-Hexanone	ug/L	3.2 U	25.0	3.2	11/18/21 06:30	
4-Methyl-2-pentanone (MIBK)	ug/L	2.8 U	25.0	2.8	11/18/21 06:30	
Acetone	ug/L	5.3 U	25.0	5.3	11/18/21 06:30	
Acrylonitrile	ug/L	0.93 U	20.0	0.93	11/18/21 06:30	
Benzene	ug/L	0.30 U	1.0	0.30	11/18/21 06:30	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	11/18/21 06:30	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	11/18/21 06:30	
Bromoform	ug/L	1.0 U	3.0	1.0	11/18/21 06:30	J(v2)
Bromomethane	ug/L	2.3 U	10.0	2.3	11/18/21 06:30	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	11/18/21 06:30	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	11/18/21 06:30	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	11/18/21 06:30	
Chloroethane	ug/L	1.4 U	10.0	1.4	11/18/21 06:30	
Chloroform	ug/L	0.32 U	1.0	0.32	11/18/21 06:30	
Chloromethane	ug/L	0.96 U	1.0	0.96	11/18/21 06:30	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	11/18/21 06:30	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	11/18/21 06:30	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	11/18/21 06:30	J(v2)
Dibromomethane	ug/L	0.24 U	2.0	0.24	11/18/21 06:30	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	11/18/21 06:30	
Iodomethane	ug/L	9.3 U	10.0	9.3	11/18/21 06:30	J(v2)
Methylene Chloride	ug/L	1.5 U	5.0	1.5	11/18/21 06:30	
Styrene	ug/L	0.26 U	1.0	0.26	11/18/21 06:30	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	11/18/21 06:30	
Toluene	ug/L	0.33 U	1.0	0.33	11/18/21 06:30	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	11/18/21 06:30	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	11/18/21 06:30	J(v2)
trans-1,4-Dichloro-2-butene	ug/L	0.53 U	10.0	0.53	11/18/21 06:30	J(v2)

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

METHOD BLANK: 4269054 Matrix: Water
Associated Lab Samples: 35676494003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	11/18/21 06:30	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	11/18/21 06:30	
Vinyl acetate	ug/L	0.84 U	10.0	0.84	11/18/21 06:30	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	11/18/21 06:30	
Xylene (Total)	ug/L	0.63 U	5.0	0.63	11/18/21 06:30	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130		11/18/21 06:30	
4-Bromofluorobenzene (S)	%	101	70-130		11/18/21 06:30	
Toluene-d8 (S)	%	108	70-130		11/18/21 06:30	

LABORATORY CONTROL SAMPLE: 4269055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.2	86	70-130	
1,1,1-Trichloroethane	ug/L	20	17.7	88	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.4	92	68-125	
1,1,2-Trichloroethane	ug/L	20	18.7	93	70-130	
1,1-Dichloroethane	ug/L	20	18.8	94	70-130	
1,1-Dichloroethene	ug/L	20	22.0	110	66-133	
1,2,3-Trichloropropane	ug/L	20	19.3	96	62-127	
1,2-Dichlorobenzene	ug/L	20	17.7	88	70-130	
1,2-Dichloroethane	ug/L	20	19.0	95	70-130	
1,2-Dichloropropane	ug/L	20	18.7	94	70-130	
1,4-Dichlorobenzene	ug/L	20	17.6	88	70-130	
2-Butanone (MEK)	ug/L	100	95.3	95	47-143	
2-Hexanone	ug/L	100	96.1	96	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	97.2	97	57-132	
Acetone	ug/L	100	100	100	46-148	
Acrylonitrile	ug/L	100	110	110	60-143	
Benzene	ug/L	20	18.3	92	70-130	
Bromochloromethane	ug/L	20	18.2	91	70-130	
Bromodichloromethane	ug/L	20	18.0	90	70-130	
Bromoform	ug/L	20	13.9	70	49-126	J(v3)
Bromomethane	ug/L	20	8.1 I	41	10-165	J(v3)
Carbon disulfide	ug/L	20	21.5	108	60-141	
Carbon tetrachloride	ug/L	20	16.7	83	63-126	
Chlorobenzene	ug/L	20	17.8	89	70-130	
Chloroethane	ug/L	20	22.7	114	71-142	
Chloroform	ug/L	20	18.6	93	70-130	
Chloromethane	ug/L	20	13.9	69	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	20	18.1	90	70-130	
cis-1,3-Dichloropropene	ug/L	20	16.7	83	70-130	
Dibromochloromethane	ug/L	20	15.9	79	62-118	
Dibromomethane	ug/L	20	18.6	93	70-130	
Ethylbenzene	ug/L	20	17.4	87	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

LABORATORY CONTROL SAMPLE: 4269055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	12	10-164	J(v3)
Methylene Chloride	ug/L	20	18.7	94	65-136	
Styrene	ug/L	20	17.9	89	70-130	
Tetrachloroethene	ug/L	20	18.3	91	64-134	
Toluene	ug/L	20	17.9	89	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.0	90	68-127	
trans-1,3-Dichloropropene	ug/L	20	16.0	80	65-121	J(v3)
trans-1,4-Dichloro-2-butene	ug/L	20	9.7 I	49	42-129	J(v3)
Trichloroethene	ug/L	20	18.7	94	70-130	
Trichlorofluoromethane	ug/L	20	22.9	114	65-135	
Vinyl acetate	ug/L	20	21.9	110	60-144	
Vinyl chloride	ug/L	20	17.8	89	68-131	
Xylene (Total)	ug/L	60	54.7	91	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4269057

Parameter	Units	35677018013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	17.3	87	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.1	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.18 U	20	19.1	95	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.8	94	70-130	
1,1-Dichloroethane	ug/L	5.2	20	25.6	102	70-130	
1,1-Dichloroethene	ug/L	1.4	20	28.4	135	66-133	J(M1)
1,2,3-Trichloropropane	ug/L	0.53 U	20	19.4	97	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.7	94	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.9	104	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.4	102	70-130	
1,4-Dichlorobenzene	ug/L	0.33 I	20	18.8	92	70-130	
2-Butanone (MEK)	ug/L	3.4 U	100	102	102	47-143	
2-Hexanone	ug/L	3.2 U	100	98.3	98	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	2.8 U	100	97.0	97	57-132	
Acetone	ug/L	5.3 U	100	103	103	46-148	
Acrylonitrile	ug/L	0.93 U	100	118	118	60-143	
Benzene	ug/L	0.30 U	20	20.5	102	70-130	
Bromochloromethane	ug/L	0.37 U	20	19.6	98	70-130	
Bromodichloromethane	ug/L	0.19 U	20	19.3	97	70-130	
Bromoform	ug/L	1.0 U	20	13.5	68	49-126	J(v3)
Bromomethane	ug/L	2.3 U	20	6.0 I	30	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	25.9	128	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	19.0	95	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.1	95	70-130	
Chloroethane	ug/L	1.4 U	20	26.9	134	71-142	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

MATRIX SPIKE SAMPLE: 4269057

Parameter	Units	35677018013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	20.5	103	70-130	
Chloromethane	ug/L	0.96 U	20	16.0	80	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	0.27 U	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.1	80	70-130	
Dibromochloromethane	ug/L	0.45 U	20	15.8	79	62-118	J(v3)
Dibromomethane	ug/L	0.24 U	20	19.4	97	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.2	96	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	12	10-164	J(v3)
Methylene Chloride	ug/L	1.5 U	20	20.1	100	65-136	
Styrene	ug/L	0.26 U	20	19.1	95	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.3	92	64-134	
Toluene	ug/L	0.33 U	20	19.1	95	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.4	102	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	15.2	76	65-121	J(v3)
trans-1,4-Dichloro-2-butene	ug/L	0.53 U	20	9.0 I	45	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	20.5	103	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	30.0	150	65-135	J(M1)
Vinyl acetate	ug/L	0.84 U	20	17.3	86	60-144	
Vinyl chloride	ug/L	28.8	20	45.6	84	68-131	
Xylene (Total)	ug/L	0.63 U	60	59.5	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4269056

Parameter	Units	35677018012 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	0.18 U	0.18 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	3.4 U	3.4 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	2.8 U	2.8 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	0.93 U	0.93 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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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

SAMPLE DUPLICATE: 4269056

Parameter	Units	35677018012 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	1.0 U	1.0 U		40	J(v2)
Bromomethane	ug/L	2.3 U	2.3 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	1.4 U	1.4 U		40	
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.96 U	0.96 U		40	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	J(v2)
Dibromomethane	ug/L	0.24 U	0.24 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	1.5 U	1.5 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	J(v2)
trans-1,4-Dichloro-2-butene	ug/L	0.53 U	0.53 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	0.84 U	0.84 U		40	
Vinyl chloride	ug/L	1.0	1.1	7	40	
Xylene (Total)	ug/L	0.63 U	0.63 U		40	
1,2-Dichlorobenzene-d4 (S)	%	100	101		40	
4-Bromofluorobenzene (S)	%	99	98		40	
Toluene-d8 (S)	%	109	110		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 778216
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494001, 35676494002, 35676494003

METHOD BLANK: 4264737
Matrix: Water
Associated Lab Samples: 35676494001, 35676494002, 35676494003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	11/17/21 21:10	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/17/21 21:10	

LABORATORY CONTROL SAMPLE: 4264738

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	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	99	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4264739 4264740

Parameter	Units	35676763004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	<0.0065	0.25	0.25	0.26	0.26	104	103	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	<0.0077	0.25	0.25	0.27	0.26	109	105	60-140	4	40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 777523
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494001

METHOD BLANK: 4260129
Matrix: Water
Associated Lab Samples: 35676494001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/12/21 19:31	

LABORATORY CONTROL SAMPLE: 4260130

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

SAMPLE DUPLICATE: 4260132

Parameter	Units	35676385002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	650	628	3	10	

SAMPLE DUPLICATE: 4260165

Parameter	Units	35676486001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	271	274	1	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 777907
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494003

METHOD BLANK: 4262294
Matrix: Water
Associated Lab Samples: 35676494003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/15/21 13:21	

LABORATORY CONTROL SAMPLE: 4262295

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

SAMPLE DUPLICATE: 4262297

Parameter	Units	35676269005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	52.0	54.0	4	10	

SAMPLE DUPLICATE: 4263214

Parameter	Units	35676494003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	226	247	9	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 777980
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494002

METHOD BLANK: 4262701
Matrix: Water
Associated Lab Samples: 35676494002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/15/21 16:45	

LABORATORY CONTROL SAMPLE: 4262702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	303	101	90-110	

SAMPLE DUPLICATE: 4262703

Parameter	Units	35677378001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	14200	14200	0	10	

SAMPLE DUPLICATE: 4262704

Parameter	Units	35676242003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	590	627	6	10	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 778177
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494001, 35676494002, 35676494003

METHOD BLANK: 4264540
Matrix: Water
Associated Lab Samples: 35676494001, 35676494002, 35676494003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/16/21 14:32	

LABORATORY CONTROL SAMPLE: 4264541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4269137 4269138

Parameter	Units	35676494001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.6 I	50	50	53.7	53.4	98	97	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4269139 4269140

Parameter	Units	35676495008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.7	50	50	82.1	82.3	109	109	90-110	0	20	

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Ormond Beach, FL 32174
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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35676494

QC Batch: 778411
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35676494001, 35676494002, 35676494003

METHOD BLANK: 4265928
Matrix: Water
Associated Lab Samples: 35676494001, 35676494002, 35676494003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	11/17/21 13:11	

LABORATORY CONTROL SAMPLE: 4265929

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: 4265931 4265930

Parameter	Units	35676291002 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	16.2	1	1	16.9	16.9	73	72	90-110	0	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4265932 4265933

Parameter	Units	35676420002 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	103	104	90-110	0	20	

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QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35676494

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill
Pace Project No.: 35676494

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35676494001	**AD17077 2MW2**	EPA 8011	778216	EPA 8011	778606
35676494002	**AD17078 4MW2**	EPA 8011	778216	EPA 8011	778606
35676494003	**AD17080 4MW3A**	EPA 8011	778216	EPA 8011	778606
35676494001	**AD17077 2MW2**	EPA 3010	777109	EPA 6010	777205
35676494002	**AD17078 4MW2**	EPA 3010	777109	EPA 6010	777205
35676494003	**AD17080 4MW3A**	EPA 3010	777109	EPA 6010	777205
35676494001	**AD17077 2MW2**	EPA 3010	777108	EPA 6020	777204
35676494002	**AD17078 4MW2**	EPA 3010	777108	EPA 6020	777204
35676494003	**AD17080 4MW3A**	EPA 3010	777108	EPA 6020	777204
35676494001	**AD17077 2MW2**	EPA 7470	778164	EPA 7470	778255
35676494002	**AD17078 4MW2**	EPA 7470	778164	EPA 7470	778255
35676494003	**AD17080 4MW3A**	EPA 7470	778164	EPA 7470	778255
35676494001	**AD17077 2MW2**	EPA 8260	778801		
35676494002	**AD17078 4MW2**	EPA 8260	778801		
35676494003	**AD17080 4MW3A**	EPA 8260	778807		
35676494001	**AD17077 2MW2**	SM 2540C	777523		
35676494002	**AD17078 4MW2**	SM 2540C	777980		
35676494003	**AD17080 4MW3A**	SM 2540C	777907		
35676494001	**AD17077 2MW2**	EPA 300.0	778177		
35676494002	**AD17078 4MW2**	EPA 300.0	778177		
35676494003	**AD17080 4MW3A**	EPA 300.0	778177		
35676494001	**AD17077 2MW2**	EPA 350.1	778411		
35676494002	**AD17078 4MW2**	EPA 350.1	778411		
35676494003	**AD17080 4MW3A**	EPA 350.1	778411		

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WO# : 35676494

35676494

CHAIN-OF-CUSTODY / Analytical Request Docu

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be co

Pace Analytical

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.c

Section A	Section B	Section C
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)847-8902 Fax:	Project Name: Resource Recovery Landfill	Pace Project Manager: mike.valder@pacelabs.com,
Requested Due Date:	Project #:	Pace Profile #: 942 line 1, 7

Regulatory Agency	State / Location
	Florida

Requested Analysis Filtered (Y/N): N

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): 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	Residual Chlorine (Y/N)	
1	AD 17077 2mw 2		G	11-9-21	809	11-9-21	8:12		8										X	X		X	X	X		Pace picking up 11-10-21
2	AD 17078 4mw 2		G	11-9-21	11:40	11-9-21	11:43		8										X	X		X	X	X		
3	AD 17080 4mw 3A		G	11-9-21	13:55	11-9-21	13:58		8										X	X		X	X	X		
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Bottle Kit	Pace	10/21/21	0845				
		11-9-21	1508		11-9-21	1508	
		11/10/21	1358		11/10/21	1358	T202
		11/10/21	1448	PACE	11/10/21	1448	53 Y N Y

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)
53	Y	N	Y

Pace Analytical

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35676494
PM: CLG **Due Date: 11/24/21**
CLIENT: PASCOU

Date and Initials of person:
Examining contents: SCI 11/10/21
Label:
Deliver:
pH:

Thermometer Used: T202 Date: 11-10-21 Time: 1448 Initials: NJM

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

Cooler #1 Temp.°C 5.1 **(Visual)** +0.2 **(Correction Factor)** 5.3 **(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	Begin time used on samples
All containers needing acid/base preservation have been checked. All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes ☐ No ☐N/A ☑Yes ☐ No ☐N/A	Preservation Information: Preservative: ____ 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): ____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

November 29, 2021

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

RE: Project: Resource Recovery Landfill
Pace Project No.: 35677037

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on November 12, 2021. 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
Justin N. Komninos, Pasco County Environmental Laboratory

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
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CERTIFICATIONS

Project: Resource Recovery Landfill
Pace Project No.: 35677037

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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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: Resource Recovery Landfill
Pace Project No.: 35677037

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35677037001	**AD 17157 4MW-5**	Water	11/10/21 13:03	11/12/21 13:42
35677037002	**AD 17158 2MW-17S**	Water	11/10/21 13:57	11/12/21 13:42

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill
Pace Project No.: 35677037

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35677037001	**AD 17157 4MW-5**	EPA 8011	TSW	2	PASI-O
		EPA 6010	SR2	15	PASI-O
		EPA 6020	SLG	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	RRB	1	PASI-O
35677037002	**AD 17158 2MW-17S**	EPA 8011	TSW	2	PASI-O
		EPA 6010	SR2	15	PASI-O
		EPA 6020	SLG	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	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach
PASI-Tp = Pace Analytical Services - Tampa

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677037

Sample: AD 17157 4MW-5 **Lab ID: 35677037001** Collected: 11/10/21 13:03 Received: 11/12/21 13:42 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	11/20/21 05:00	11/20/21 22:02	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	11/20/21 05:00	11/20/21 22:02	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.6 I**	ug/L	10.0	3.4	1	11/16/21 11:35	11/25/21 08:51	7440-38-2	
Barium	**11.5**	ug/L	10.0	0.84	1	11/16/21 11:35	11/25/21 08:51	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/16/21 11:35	11/25/21 08:51	7440-41-7	
Cadmium	**0.36 I**	ug/L	1.0	0.33	1	11/16/21 11:35	11/25/21 08:51	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/16/21 11:35	11/25/21 08:51	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/16/21 11:35	11/25/21 08:51	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/16/21 11:35	11/25/21 08:51	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	11/16/21 11:35	11/25/21 08:51	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/16/21 11:35	11/25/21 08:51	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	11/16/21 11:35	11/25/21 08:51	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/16/21 11:35	11/25/21 08:51	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/16/21 11:35	11/25/21 08:51	7440-22-4	
Sodium	**25.0**	mg/L	2.0	0.54	1	11/16/21 11:35	11/25/21 08:51	7440-23-5	
Vanadium	**2.4 I**	ug/L	10.0	1.0	1	11/16/21 11:35	11/25/21 08:51	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/16/21 11:35	11/25/21 08:51	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/16/21 11:35	11/17/21 16:34	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/16/21 11:35	11/17/21 16:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	11/22/21 15:00	11/29/21 12:15	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/19/21 18:40	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/19/21 18:40	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/19/21 18:40	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/19/21 18:40	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/19/21 18:40	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/19/21 18:40	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/19/21 18:40	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/19/21 18:40	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/19/21 18:40	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/19/21 18:40	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/19/21 18:40	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/19/21 18:40	75-00-3	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677037

Sample: AD 17157 4MW-5 **Lab ID: 35677037001** Collected: 11/10/21 13:03 Received: 11/12/21 13:42 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/19/21 18:40	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/19/21 18:40	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/19/21 18:40	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/19/21 18:40	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/19/21 18:40	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/19/21 18:40	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/19/21 18:40	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/19/21 18:40	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/19/21 18:40	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/19/21 18:40	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/19/21 18:40	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/19/21 18:40	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/19/21 18:40	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/19/21 18:40	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/19/21 18:40	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/19/21 18:40	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/19/21 18:40	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/19/21 18:40	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/19/21 18:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/19/21 18:40	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/19/21 18:40	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/19/21 18:40	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/19/21 18:40	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/19/21 18:40	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/19/21 18:40	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/19/21 18:40	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/19/21 18:40	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/19/21 18:40	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/19/21 18:40	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/19/21 18:40	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/19/21 18:40	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/19/21 18:40	75-01-4	J(v2)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/19/21 18:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		11/19/21 18:40	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		11/19/21 18:40	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		11/19/21 18:40	2199-69-1	
2540C Total Diss. Solids Tampa	Analytical Method: SM 2540C								
	Pace Analytical Services - Tampa								
Total Dissolved Solids	**334**	mg/L	5.0	5.0	1		11/15/21 16:21		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**54.6**	mg/L	5.0	2.5	1		11/25/21 02:34	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677037

Sample: AD 17157 4MW-5 **Lab ID: 35677037001** Collected: 11/10/21 13:03 Received: 11/12/21 13:42 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		11/23/21 19:39	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677037

Sample: AD 17158 2MW-17S **Lab ID: 35677037002** Collected: 11/10/21 13:57 Received: 11/12/21 13:42 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	11/20/21 05:00	11/20/21 22:17	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	11/20/21 05:00	11/20/21 22:17	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/16/21 11:35	11/25/21 08:54	7440-38-2	
Barium	**13.8**	ug/L	10.0	0.84	1	11/16/21 11:35	11/25/21 08:54	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/16/21 11:35	11/25/21 08:54	7440-41-7	
Cadmium	**0.38 I**	ug/L	1.0	0.33	1	11/16/21 11:35	11/25/21 08:54	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/16/21 11:35	11/25/21 08:54	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/16/21 11:35	11/25/21 08:54	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/16/21 11:35	11/25/21 08:54	7440-50-8	
Iron	**32.5 I**	ug/L	40.0	25.0	1	11/16/21 11:35	11/25/21 08:54	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/16/21 11:35	11/25/21 08:54	7439-92-1	
Nickel	**2.3 I**	ug/L	5.0	2.1	1	11/16/21 11:35	11/25/21 08:54	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/16/21 11:35	11/25/21 08:54	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/16/21 11:35	11/25/21 08:54	7440-22-4	
Sodium	**2.6**	mg/L	2.0	0.54	1	11/16/21 11:35	11/25/21 08:54	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	11/16/21 11:35	11/25/21 08:54	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/16/21 11:35	11/25/21 08:54	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/16/21 11:35	11/17/21 16:38	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/16/21 11:35	11/17/21 16:38	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	11/22/21 15:00	11/29/21 12:17	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/19/21 20:14	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/19/21 20:14	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/19/21 20:14	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/19/21 20:14	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/19/21 20:14	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/19/21 20:14	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/19/21 20:14	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/19/21 20:14	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/19/21 20:14	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/19/21 20:14	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/19/21 20:14	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/19/21 20:14	75-00-3	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677037

Sample: AD 17158 2MW-17S **Lab ID: 35677037002** Collected: 11/10/21 13:57 Received: 11/12/21 13:42 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/19/21 20:14	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/19/21 20:14	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/19/21 20:14	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/19/21 20:14	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/19/21 20:14	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/19/21 20:14	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/19/21 20:14	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/19/21 20:14	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/19/21 20:14	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/19/21 20:14	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/19/21 20:14	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/19/21 20:14	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/19/21 20:14	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/19/21 20:14	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/19/21 20:14	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/19/21 20:14	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/19/21 20:14	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/19/21 20:14	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/19/21 20:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/19/21 20:14	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/19/21 20:14	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/19/21 20:14	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/19/21 20:14	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/19/21 20:14	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/19/21 20:14	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/19/21 20:14	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/19/21 20:14	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/19/21 20:14	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/19/21 20:14	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/19/21 20:14	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/19/21 20:14	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/19/21 20:14	75-01-4	J(v2)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/19/21 20:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		11/19/21 20:14	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		11/19/21 20:14	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		11/19/21 20:14	2199-69-1	
2540C Total Diss. Solids Tampa	Analytical Method: SM 2540C								
	Pace Analytical Services - Tampa								
Total Dissolved Solids	**162**	mg/L	5.0	5.0	1		11/15/21 16:21		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**3.7 I**	mg/L	5.0	2.5	1		11/25/21 02:56	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677037

Sample: AD 17158 2MW-17S **Lab ID: 35677037002** Collected: 11/10/21 13:57 Received: 11/12/21 13:42 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		11/23/21 19:41	7664-41-7	

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Ormond Beach, FL 32174
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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677037

QC Batch: 779887
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677037001, 35677037002

METHOD BLANK: 4275112
Matrix: Water
Associated Lab Samples: 35677037001, 35677037002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	11/29/21 11:43	

LABORATORY CONTROL SAMPLE: 4275113

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4275114 4275115

Parameter	Units	35676479002 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	1.9	1.8	94	89	75-125	5	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.: 35677037

QC Batch: 778264
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677037001, 35677037002

METHOD BLANK: 4264950
Matrix: Water
Associated Lab Samples: 35677037001, 35677037002

Parameter	Units	Blank Result		Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4	U	10.0	3.4	11/25/21 08:58	
Barium	ug/L	0.84	U	10.0	0.84	11/25/21 08:58	
Beryllium	ug/L	0.17	U	4.0	0.17	11/25/21 08:58	
Cadmium	ug/L	0.33	U	1.0	0.33	11/25/21 08:58	
Chromium	ug/L	1.7	U	5.0	1.7	11/25/21 08:58	
Cobalt	ug/L	0.96	U	10.0	0.96	11/25/21 08:58	
Copper	ug/L	2.6	U	5.0	2.6	11/25/21 08:58	
Iron	ug/L	25.0	U	40.0	25.0	11/25/21 08:58	
Lead	ug/L	4.6	U	10.0	4.6	11/25/21 08:58	
Nickel	ug/L	2.1	U	5.0	2.1	11/25/21 08:58	
Selenium	ug/L	3.9	U	15.0	3.9	11/25/21 08:58	
Silver	ug/L	1.0	U	5.0	1.0	11/25/21 08:58	
Sodium	mg/L	0.54	U	2.0	0.54	11/25/21 08:58	
Vanadium	ug/L	1.0	U	10.0	1.0	11/25/21 08:58	
Zinc	ug/L	11.0	U	20.0	11.0	11/25/21 08:58	

LABORATORY CONTROL SAMPLE: 4264951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	208	104	80-120	
Barium	ug/L	200	211	105	80-120	
Beryllium	ug/L	20	21.1	106	80-120	
Cadmium	ug/L	20	21.4	107	80-120	
Chromium	ug/L	200	215	108	80-120	
Cobalt	ug/L	200	213	106	80-120	
Copper	ug/L	200	204	102	80-120	
Iron	ug/L	2000	2160	108	80-120	
Lead	ug/L	200	211	105	80-120	
Nickel	ug/L	200	215	108	80-120	
Selenium	ug/L	200	213	106	80-120	
Silver	ug/L	20	21.0	105	80-120	
Sodium	mg/L	10	10.4	104	80-120	
Vanadium	ug/L	200	209	104	80-120	
Zinc	ug/L	1000	1080	108	80-120	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677037

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4264952 4264953

Parameter	Units	35677037001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	3.6 I	200	200	197	211	97	104	75-125	7	20	
Barium	ug/L	11.5	200	200	215	222	102	105	75-125	3	20	
Beryllium	ug/L	0.17 U	20	20	20.0	21.3	100	106	75-125	6	20	
Cadmium	ug/L	0.36 I	20	20	20.2	21.4	99	105	75-125	6	20	
Chromium	ug/L	1.7 U	200	200	203	217	101	108	75-125	6	20	
Cobalt	ug/L	0.96 U	200	200	198	212	99	106	75-125	7	20	
Copper	ug/L	2.6 U	200	200	198	210	98	104	75-125	6	20	
Iron	ug/L	25.0 U	2000	2000	2090	2150	104	107	75-125	3	20	
Lead	ug/L	4.6 U	200	200	194	206	97	103	75-125	6	20	
Nickel	ug/L	2.1 U	200	200	200	214	99	106	75-125	7	20	
Selenium	ug/L	3.9 U	200	200	196	208	98	104	75-125	6	20	
Silver	ug/L	1.0 U	20	20	20.6	22.0	103	110	75-125	7	20	
Sodium	mg/L	25.0	10	10	34.9	36.5	99	115	75-125	5	20	
Vanadium	ug/L	2.4 I	200	200	202	215	100	106	75-125	6	20	
Zinc	ug/L	11.0 U	1000	1000	997	1060	100	106	75-125	6	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677037

QC Batch: 778263
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677037001, 35677037002

METHOD BLANK: 4264945
Matrix: Water
Associated Lab Samples: 35677037001, 35677037002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/18/21 14:39	
Thallium	ug/L	0.11 U	1.0	0.11	11/17/21 16:05	

LABORATORY CONTROL SAMPLE: 4264946

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	50.1	100	80-120	
Thallium	ug/L	50	48.5	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4264947 4264948

Parameter	Units	35677526001 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	50.1	101	100	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	48.8	48.1	98	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677037

QC Batch: 779292
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677037001, 35677037002

METHOD BLANK: 4271962
Matrix: Water
Associated Lab Samples: 35677037001, 35677037002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	11/19/21 11:11	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/19/21 11:11	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	11/19/21 11:11	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/19/21 11:11	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	11/19/21 11:11	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	11/19/21 11:11	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	11/19/21 11:11	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	11/19/21 11:11	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	11/19/21 11:11	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	11/19/21 11:11	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	11/19/21 11:11	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	11/19/21 11:11	
2-Hexanone	ug/L	3.2 U	25.0	3.2	11/19/21 11:11	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	11/19/21 11:11	
Acetone	ug/L	5.5 I	25.0	5.3	11/19/21 11:11	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	11/19/21 11:11	
Benzene	ug/L	0.30 U	1.0	0.30	11/19/21 11:11	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	11/19/21 11:11	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	11/19/21 11:11	
Bromoform	ug/L	0.48 U	3.0	0.48	11/19/21 11:11	
Bromomethane	ug/L	8.1 U	10.0	8.1	11/19/21 11:11	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	11/19/21 11:11	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	11/19/21 11:11	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	11/19/21 11:11	
Chloroethane	ug/L	3.7 U	10.0	3.7	11/19/21 11:11	
Chloroform	ug/L	0.32 U	1.0	0.32	11/19/21 11:11	
Chloromethane	ug/L	0.43 U	1.0	0.43	11/19/21 11:11	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	11/19/21 11:11	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	11/19/21 11:11	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	11/19/21 11:11	
Dibromomethane	ug/L	0.68 U	2.0	0.68	11/19/21 11:11	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	11/19/21 11:11	
Iodomethane	ug/L	9.3 U	10.0	9.3	11/19/21 11:11	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	11/19/21 11:11	
Styrene	ug/L	0.26 U	1.0	0.26	11/19/21 11:11	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	11/19/21 11:11	
Toluene	ug/L	0.33 U	1.0	0.33	11/19/21 11:11	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	11/19/21 11:11	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	11/19/21 11:11	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	11/19/21 11:11	J(v2)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677037

METHOD BLANK: 4271962 Matrix: Water
Associated Lab Samples: 35677037001, 35677037002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	11/19/21 11:11	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	11/19/21 11:11	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	11/19/21 11:11	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	11/19/21 11:11	J(v2)
Xylene (Total)	ug/L	2.1 U	5.0	2.1	11/19/21 11:11	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130		11/19/21 11:11	
4-Bromofluorobenzene (S)	%	104	70-130		11/19/21 11:11	
Toluene-d8 (S)	%	103	70-130		11/19/21 11:11	

LABORATORY CONTROL SAMPLE: 4271963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.3	106	70-130	
1,1,1-Trichloroethane	ug/L	20	19.7	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	97	68-125	
1,1,2-Trichloroethane	ug/L	20	20.9	105	70-130	
1,1-Dichloroethane	ug/L	20	19.7	98	70-130	
1,1-Dichloroethene	ug/L	20	18.9	94	66-133	
1,2,3-Trichloropropane	ug/L	20	19.2	96	62-127	
1,2-Dichlorobenzene	ug/L	20	19.2	96	70-130	
1,2-Dichloroethane	ug/L	20	19.8	99	70-130	
1,2-Dichloropropane	ug/L	20	19.1	96	70-130	
1,4-Dichlorobenzene	ug/L	20	19.3	96	70-130	
2-Butanone (MEK)	ug/L	100	91.8	92	47-143	
2-Hexanone	ug/L	100	92.8	93	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.7	100	57-132	
Acetone	ug/L	100	103	103	46-148	
Acrylonitrile	ug/L	100	105	105	60-143	
Benzene	ug/L	20	19.5	98	70-130	
Bromochloromethane	ug/L	20	19.2	96	70-130	
Bromodichloromethane	ug/L	20	20.5	102	70-130	
Bromoform	ug/L	20	16.5	83	49-126	
Bromomethane	ug/L	20	8.1 U	14	10-165	J(v3)
Carbon disulfide	ug/L	20	20.6	103	60-141	
Carbon tetrachloride	ug/L	20	21.7	108	63-126	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	16.1	80	71-142	
Chloroform	ug/L	20	18.4	92	70-130	
Chloromethane	ug/L	20	14.8	74	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	20	19.2	96	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.5	98	70-130	
Dibromochloromethane	ug/L	20	17.7	89	62-118	
Dibromomethane	ug/L	20	20.8	104	70-130	
Ethylbenzene	ug/L	20	19.5	97	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677037

LABORATORY CONTROL SAMPLE: 4271963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	23	10-164	J(v3)
Methylene Chloride	ug/L	20	18.3	91	65-136	
Styrene	ug/L	20	21.0	105	70-130	
Tetrachloroethene	ug/L	20	20.9	104	64-134	
Toluene	ug/L	20	19.4	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.6	93	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.3	101	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	11.6	58	42-129	J(v3)
Trichloroethene	ug/L	20	20.9	104	70-130	
Trichlorofluoromethane	ug/L	20	19.5	97	65-135	
Vinyl acetate	ug/L	20	21.4	107	60-144	
Vinyl chloride	ug/L	20	15.2	76	68-131	J(v3)
Xylene (Total)	ug/L	60	62.5	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4271965

Parameter	Units	35676479002 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	20.1	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.8	89	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	20.0	100	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	20.0	100	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	20.2	101	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.0	90	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.4	92	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	19.4	97	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	18.7	94	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	19.0	95	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	87.0	87	47-143	
2-Hexanone	ug/L	3.2 U	100	88.1	88	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	93.7	94	57-132	
Acetone	ug/L	5.3 U	100	96.4	96	46-148	
Acrylonitrile	ug/L	3.7 U	100	101	101	60-143	
Benzene	ug/L	0.30 U	20	19.6	98	70-130	
Bromochloromethane	ug/L	0.37 U	20	19.2	96	70-130	
Bromodichloromethane	ug/L	0.19 U	20	19.9	99	70-130	
Bromoform	ug/L	0.48 U	20	14.5	73	49-126	
Bromomethane	ug/L	8.1 U	20	8.1 U	20	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	21.2	106	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	22.9	114	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.6	98	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.: 35677037

MATRIX SPIKE SAMPLE: 4271965

Parameter	Units	35676479002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	18.3	92	70-130	
Chloromethane	ug/L	0.43 U	20	15.1	75	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.3	97	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	17.0	85	70-130	
Dibromochloromethane	ug/L	0.45 U	20	16.5	83	62-118	
Dibromomethane	ug/L	0.68 U	20	19.7	99	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.9	99	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	18	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	18.1	90	65-136	
Styrene	ug/L	0.26 U	20	20.7	103	70-130	
Tetrachloroethene	ug/L	0.38 U	20	21.4	107	64-134	
Toluene	ug/L	0.33 U	20	19.1	96	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.9	95	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	19.2	96	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	11.0	55	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	21.3	106	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	22.6	113	65-135	
Vinyl acetate	ug/L	1.8 U	20	19.6	98	60-144	
Vinyl chloride	ug/L	0.39 U	20	16.2	81	68-131	J(v3)
Xylene (Total)	ug/L	2.1 U	60	63.6	106	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				108	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 4271964

Parameter	Units	35677018017 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	6.0	6.1	1	40	
1,1-Dichloroethene	ug/L	31.4	31.3	0	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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 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.: 35677037

SAMPLE DUPLICATE: 4271964

Parameter	Units	35677018017 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	0.59 I	0.58 I		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 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	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 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	2.6	2.6	0	40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	J(v2)
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	104	104		40	
4-Bromofluorobenzene (S)	%	103	107		40	
Toluene-d8 (S)	%	96	97		40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677037

QC Batch: 779482
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677037001, 35677037002

METHOD BLANK: 4273413
Matrix: Water
Associated Lab Samples: 35677037001, 35677037002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	11/20/21 16:37	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/20/21 16:37	

LABORATORY CONTROL SAMPLE: 4273414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.25	99	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.24	96	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4273498 4273499

Parameter	Units	35677037002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.25	0.25	0.27	0.29	110	115	60-140	5	40	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.25	0.25	0.26	0.28	105	112	60-140	6	40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677037

QC Batch: 777863
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Diss. Solids Tampa
Laboratory: Pace Analytical Services - Tampa
Associated Lab Samples: 35677037001, 35677037002

METHOD BLANK: 4262167
Matrix: Water
Associated Lab Samples: 35677037001, 35677037002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	2.5 U	2.5	2.5	11/15/21 16:21	

LABORATORY CONTROL SAMPLE: 4262168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	293	98	90-110	

SAMPLE DUPLICATE: 4262169

Parameter	Units	35676915001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	17800	16900	5	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677037

QC Batch: 780436
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677037001, 35677037002

METHOD BLANK: 4279001
Matrix: Water
Associated Lab Samples: 35677037001, 35677037002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/25/21 01:50	

LABORATORY CONTROL SAMPLE: 4279002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4282367 4282368

Parameter	Units	35677244004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	11.0	50	50	58.7	59.1	95	96	90-110	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677037

QC Batch: 780286
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677037001, 35677037002

METHOD BLANK: 4277722 Matrix: Water
Associated Lab Samples: 35677037001, 35677037002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	11/23/21 19:26	

LABORATORY CONTROL SAMPLE: 4277723

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: 4277725 4277724

Parameter	Units	35677017001 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	106	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4277726 4277727

Parameter	Units	35677204007 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	0.87	1	1	1.9	1.9	105	104	90-110	0	20	

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QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35677037

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.: 35677037

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35677037001	**AD 17157 4MW-5**	EPA 8011	779482	EPA 8011	779571
35677037002	**AD 17158 2MW-17S**	EPA 8011	779482	EPA 8011	779571
35677037001	**AD 17157 4MW-5**	EPA 3010	778264	EPA 6010	778363
35677037002	**AD 17158 2MW-17S**	EPA 3010	778264	EPA 6010	778363
35677037001	**AD 17157 4MW-5**	EPA 3010	778263	EPA 6020	778364
35677037002	**AD 17158 2MW-17S**	EPA 3010	778263	EPA 6020	778364
35677037001	**AD 17157 4MW-5**	EPA 7470	779887	EPA 7470	779911
35677037002	**AD 17158 2MW-17S**	EPA 7470	779887	EPA 7470	779911
35677037001	**AD 17157 4MW-5**	EPA 8260	779292		
35677037002	**AD 17158 2MW-17S**	EPA 8260	779292		
35677037001	**AD 17157 4MW-5**	SM 2540C	777863		
35677037002	**AD 17158 2MW-17S**	SM 2540C	777863		
35677037001	**AD 17157 4MW-5**	EPA 300.0	780436		
35677037002	**AD 17158 2MW-17S**	EPA 300.0	780436		
35677037001	**AD 17157 4MW-5**	EPA 350.1	780286		
35677037002	**AD 17158 2MW-17S**	EPA 350.1	780286		

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CHAIN-OF-CUSTODY / Analytical Request Doc

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be c

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs

WO# : 35677037

35677037

Section A	Section B	Section C
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)847-8902 Fax:	Project Name: Resource Recovery Landfill	Pace Project Manager: mike.valder@pacelabs.com;
Requested Due Date:	Project #:	Pace Profile #: 942 line 1, 7

Regulatory Agency	State / Location
	Florida

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): 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					Residual Chlorine (Y/N)	
1	AD 17157 4mw-5		G	11-10-21	1300	11-10-21	1303	8											3	1	2		1	1						# pace pickup
2	AD 17158 2mw 17S		G	11-10-21	1354	11-10-21	1357	8											3	1	2		1	1						11-11-21
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Bottle Kit	Pace	10/21/21	0845				
		11-10-21	1500		11-10-21	1500	
		11-12-21	1241		11-12-21	1247	+02
		11-12-21	1342	Dawn Sargent	11-12-21	1342	1.2 Y N Y

SAMPLER NAME AND SIGNATURE	SAMPLER NAME AND SIGNATURE	TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	PRINT Name of SAMPLER:				
SIGNATURE of SAMPLER:	SIGNATURE of SAMPLER: DATE Signed:				

Pace Analytical

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35677037

Project Manager: PM: CLG Due Date: 11/30/21

Client: CLIENT: PASCOU

Date and Initials of person:
Examining contents: HGI
Label:
Deliver: 11-12-21
pH:

Thermometer Used: T202 Date: 11-12-21 Time: 1342 Initials: JDS

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

Cooler #1 Temp.°C 1.0	(Visual) +0.2	(Correction Factor) 1.2	(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. All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes ☐ No ☐N/A ☑Yes ☐ No ☐N/A	Preservation Information: Preservative:_____ 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): _____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 06, 2021

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

RE: Project: Resource Recovery Landfill
Pace Project No.: 35677900

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on November 16, 2021. 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

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CERTIFICATIONS

Project:	Resource Recovery Landfill
Pace Project No.:	35677900

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.: 35677900

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35677900001	**AD17356 4MW4**	Water	11/15/21 09:53	11/16/21 17:30
35677900002	**AD17357 2MW18D**	Water	11/15/21 10:44	11/16/21 17:30
35677900003	**AD17358 2MW19D**	Water	11/15/21 14:33	11/16/21 17:30

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35677900001	**AD17356 4MW4**	EPA 8011	SCL	2	PASI-O
		EPA 6010	SR2	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	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35677900002	**AD17357 2MW18D**	EPA 8011	SCL	2	PASI-O
		EPA 6010	SR2	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	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35677900003	**AD17358 2MW19D**	EPA 8011	SCL	2	PASI-O
		EPA 6010	SR2	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	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Sample: AD17356 4MW4 **Lab ID: 35677900001** Collected: 11/15/21 09:53 Received: 11/16/21 17:30 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	11/22/21 16:23	11/24/21 00:26	96-12-8	
1,2-Dibromoethane (EDB)	**0.0080 U**	ug/L	0.011	0.0080	1	11/22/21 16:23	11/24/21 00:26	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/18/21 07:47	11/26/21 13:23	7440-38-2	
Barium	**8.7 I**	ug/L	10.0	0.84	1	11/18/21 07:47	11/26/21 13:23	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/18/21 07:47	11/26/21 13:23	7440-41-7	
Cadmium	**0.47 I**	ug/L	1.0	0.33	1	11/18/21 07:47	11/26/21 13:23	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/18/21 07:47	11/26/21 13:23	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/18/21 07:47	11/26/21 13:23	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/18/21 07:47	11/26/21 13:23	7440-50-8	
Iron	**107**	ug/L	40.0	25.0	1	11/18/21 07:47	11/26/21 13:23	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/18/21 07:47	11/26/21 13:23	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	11/18/21 07:47	11/26/21 13:23	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/18/21 07:47	11/26/21 13:23	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/18/21 07:47	11/26/21 13:23	7440-22-4	
Sodium	**5.6**	mg/L	2.0	0.54	1	11/18/21 07:47	11/26/21 13:23	7440-23-5	
Vanadium	**3.6 I**	ug/L	10.0	1.0	1	11/18/21 07:47	11/26/21 13:23	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/18/21 07:47	11/26/21 13:23	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/21 07:47	11/18/21 16:56	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/18/21 07:47	11/18/21 16:56	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	11/29/21 08:35	12/01/21 08:45	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/23/21 19:19	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/23/21 19:19	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/23/21 19:19	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/23/21 19:19	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/23/21 19:19	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/23/21 19:19	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/23/21 19:19	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/23/21 19:19	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/23/21 19:19	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/23/21 19:19	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/23/21 19:19	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/23/21 19:19	75-00-3	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Sample: AD17356 4MW4 **Lab ID: 35677900001** Collected: 11/15/21 09:53 Received: 11/16/21 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/23/21 19:19	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/23/21 19:19	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/23/21 19:19	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/23/21 19:19	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/23/21 19:19	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/23/21 19:19	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/23/21 19:19	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/23/21 19:19	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/23/21 19:19	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/23/21 19:19	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/23/21 19:19	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/23/21 19:19	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/23/21 19:19	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/23/21 19:19	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/23/21 19:19	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/23/21 19:19	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/23/21 19:19	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/23/21 19:19	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/23/21 19:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/23/21 19:19	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/23/21 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/23/21 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/23/21 19:19	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/23/21 19:19	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/23/21 19:19	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/23/21 19:19	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/23/21 19:19	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/23/21 19:19	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/23/21 19:19	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/23/21 19:19	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/23/21 19:19	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/23/21 19:19	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/23/21 19:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		11/23/21 19:19	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		11/23/21 19:19	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		11/23/21 19:19	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**333**	mg/L	5.0	5.0	1		11/18/21 14:26		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**14.8**	mg/L	5.0	2.5	1		12/01/21 17:51	16887-00-6	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Sample: AD17356 4MW4 **Lab ID: 35677900001** Collected: 11/15/21 09:53 Received: 11/16/21 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		11/26/21 14:13	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Sample: AD17357 2MW18D **Lab ID: 35677900002** Collected: 11/15/21 10:44 Received: 11/16/21 17:30 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.021	0.0066	1	11/22/21 16:23	11/24/21 00:41	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	11/22/21 16:23	11/24/21 00:41	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/18/21 07:47	11/26/21 13:26	7440-38-2	
Barium	**9.8 I**	ug/L	10.0	0.84	1	11/18/21 07:47	11/26/21 13:26	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/18/21 07:47	11/26/21 13:26	7440-41-7	
Cadmium	**0.68 I**	ug/L	1.0	0.33	1	11/18/21 07:47	11/26/21 13:26	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/18/21 07:47	11/26/21 13:26	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/18/21 07:47	11/26/21 13:26	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/18/21 07:47	11/26/21 13:26	7440-50-8	
Iron	**28.0 I**	ug/L	40.0	25.0	1	11/18/21 07:47	11/26/21 13:26	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/18/21 07:47	11/26/21 13:26	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	11/18/21 07:47	11/26/21 13:26	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/18/21 07:47	11/26/21 13:26	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/18/21 07:47	11/26/21 13:26	7440-22-4	
Sodium	**9.3**	mg/L	2.0	0.54	1	11/18/21 07:47	11/26/21 13:26	7440-23-5	
Vanadium	**2.5 I**	ug/L	10.0	1.0	1	11/18/21 07:47	11/26/21 13:26	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/18/21 07:47	11/26/21 13:26	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/21 07:47	11/18/21 16:57	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/18/21 07:47	11/18/21 16:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	11/29/21 08:35	12/01/21 08:47	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/23/21 20:06	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/23/21 20:06	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/23/21 20:06	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/23/21 20:06	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/23/21 20:06	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/23/21 20:06	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/23/21 20:06	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/23/21 20:06	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/23/21 20:06	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/23/21 20:06	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/23/21 20:06	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/23/21 20:06	75-00-3	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Sample: AD17357 2MW18D **Lab ID: 35677900002** Collected: 11/15/21 10:44 Received: 11/16/21 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/23/21 20:06	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/23/21 20:06	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/23/21 20:06	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/23/21 20:06	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/23/21 20:06	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/23/21 20:06	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/23/21 20:06	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/23/21 20:06	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/23/21 20:06	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/23/21 20:06	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/23/21 20:06	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/23/21 20:06	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/23/21 20:06	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/23/21 20:06	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/23/21 20:06	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/23/21 20:06	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/23/21 20:06	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/23/21 20:06	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/23/21 20:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/23/21 20:06	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/23/21 20:06	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/23/21 20:06	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/23/21 20:06	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/23/21 20:06	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/23/21 20:06	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/23/21 20:06	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/23/21 20:06	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/23/21 20:06	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/23/21 20:06	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/23/21 20:06	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/23/21 20:06	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/23/21 20:06	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/23/21 20:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		11/23/21 20:06	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		11/23/21 20:06	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		11/23/21 20:06	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**361**	mg/L	5.0	5.0	1		11/18/21 14:26		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**19.5**	mg/L	5.0	2.5	1		12/01/21 18:56	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Sample: AD17357 2MW18D **Lab ID: 35677900002** Collected: 11/15/21 10:44 Received: 11/16/21 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		11/26/21 14:18	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Sample: AD17358 2MW19D **Lab ID: 35677900003** Collected: 11/15/21 14:33 Received: 11/16/21 17:30 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	11/22/21 16:23	11/24/21 00:56	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	11/22/21 16:23	11/24/21 00:56	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/18/21 07:47	11/26/21 13:38	7440-38-2	
Barium	**8.9 I**	ug/L	10.0	0.84	1	11/18/21 07:47	11/26/21 13:38	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/18/21 07:47	11/26/21 13:38	7440-41-7	
Cadmium	**0.48 I**	ug/L	1.0	0.33	1	11/18/21 07:47	11/26/21 13:38	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/18/21 07:47	11/26/21 13:38	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/18/21 07:47	11/26/21 13:38	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/18/21 07:47	11/26/21 13:38	7440-50-8	
Iron	**65.8**	ug/L	40.0	25.0	1	11/18/21 07:47	11/26/21 13:38	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/18/21 07:47	11/26/21 13:38	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	11/18/21 07:47	11/26/21 13:38	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/18/21 07:47	11/26/21 13:23	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/18/21 07:47	11/26/21 13:38	7440-22-4	
Sodium	**6.5**	mg/L	2.0	0.54	1	11/18/21 07:47	11/26/21 13:38	7440-23-5	
Vanadium	**2.3 I**	ug/L	10.0	1.0	1	11/18/21 07:47	11/26/21 13:38	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/18/21 07:47	11/26/21 13:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/21 07:47	11/18/21 16:59	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/18/21 07:47	11/18/21 16:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	11/29/21 08:35	12/01/21 08:49	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/24/21 00:50	67-64-1	
Acrylonitrile	**0.93 U**	ug/L	20.0	0.93	1		11/24/21 00:50	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/24/21 00:50	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/24/21 00:50	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/24/21 00:50	75-27-4	
Bromoform	**1.0 U**	ug/L	3.0	1.0	1		11/24/21 00:50	75-25-2	
Bromomethane	**2.3 U**	ug/L	10.0	2.3	1		11/24/21 00:50	74-83-9	
2-Butanone (MEK)	**3.4 U**	ug/L	50.0	3.4	1		11/24/21 00:50	78-93-3	J(v2)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/24/21 00:50	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/24/21 00:50	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/24/21 00:50	108-90-7	
Chloroethane	**1.4 U**	ug/L	10.0	1.4	1		11/24/21 00:50	75-00-3	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Sample: AD17358 2MW19D **Lab ID: 35677900003** Collected: 11/15/21 14:33 Received: 11/16/21 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/24/21 00:50	67-66-3	
Chloromethane	**0.96 U**	ug/L	1.0	0.96	1		11/24/21 00:50	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/24/21 00:50	124-48-1	
Dibromomethane	**0.24 U**	ug/L	2.0	0.24	1		11/24/21 00:50	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/24/21 00:50	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/24/21 00:50	106-46-7	
trans-1,4-Dichloro-2-butene	**0.53 U**	ug/L	10.0	0.53	1		11/24/21 00:50	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/24/21 00:50	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/24/21 00:50	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/24/21 00:50	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/24/21 00:50	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/24/21 00:50	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/24/21 00:50	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/24/21 00:50	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/24/21 00:50	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/24/21 00:50	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/24/21 00:50	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/24/21 00:50	74-88-4	
Methylene Chloride	**1.5 U**	ug/L	5.0	1.5	1		11/24/21 00:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**2.8 U**	ug/L	25.0	2.8	1		11/24/21 00:50	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/24/21 00:50	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/24/21 00:50	630-20-6	
1,1,2,2-Tetrachloroethane	**0.18 U**	ug/L	1.0	0.18	1		11/24/21 00:50	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/24/21 00:50	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/24/21 00:50	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/24/21 00:50	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/24/21 00:50	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/24/21 00:50	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/24/21 00:50	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/24/21 00:50	96-18-4	
Vinyl acetate	**0.84 U**	ug/L	10.0	0.84	1		11/24/21 00:50	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/24/21 00:50	75-01-4	J(v2)
Xylene (Total)	**0.63 U**	ug/L	5.0	0.63	1		11/24/21 00:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		11/24/21 00:50	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		11/24/21 00:50	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/24/21 00:50	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**306**	mg/L	5.0	5.0	1		11/19/21 17:24		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**15.4**	mg/L	5.0	2.5	1		12/01/21 19:18	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
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(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Sample: AD17358 2MW19D **Lab ID: 35677900003** Collected: 11/15/21 14:33 Received: 11/16/21 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		11/26/21 14:19	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

QC Batch: 781188
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677900001, 35677900002, 35677900003

METHOD BLANK: 4283138 Matrix: Water
Associated Lab Samples: 35677900001, 35677900002, 35677900003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	12/01/21 07:50	

LABORATORY CONTROL SAMPLE: 4283139

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4283140 4283141

Parameter	Units	35677243001 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	1.9	2.0	94	98	75-125	4	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

QC Batch: 778856
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677900001, 35677900002, 35677900003

METHOD BLANK: 4269205
Matrix: Water
Associated Lab Samples: 35677900001, 35677900002, 35677900003

Parameter	Units	Blank Result		Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4	U	10.0	3.4	11/25/21 20:18	
Barium	ug/L	0.84	U	10.0	0.84	11/25/21 20:18	
Beryllium	ug/L	0.17	U	4.0	0.17	11/25/21 20:18	
Cadmium	ug/L	0.33	U	1.0	0.33	11/25/21 20:18	
Chromium	ug/L	1.7	U	5.0	1.7	11/25/21 20:18	
Cobalt	ug/L	0.96	U	10.0	0.96	11/25/21 20:18	
Copper	ug/L	2.6	U	5.0	2.6	11/25/21 20:18	
Iron	ug/L	25.0	U	40.0	25.0	11/25/21 20:18	
Lead	ug/L	4.6	U	10.0	4.6	11/25/21 20:18	
Nickel	ug/L	2.1	U	5.0	2.1	11/25/21 20:18	
Selenium	ug/L	3.9	U	15.0	3.9	11/25/21 20:18	
Silver	ug/L	1.0	U	5.0	1.0	11/25/21 20:18	
Sodium	mg/L	0.54	U	2.0	0.54	11/25/21 20:18	
Vanadium	ug/L	1.0	U	10.0	1.0	11/25/21 20:18	
Zinc	ug/L	11.0	U	20.0	11.0	11/25/21 20:18	

LABORATORY CONTROL SAMPLE: 4269206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	205	102	80-120	
Barium	ug/L	200	206	103	80-120	
Beryllium	ug/L	20	20.7	103	80-120	
Cadmium	ug/L	20	20.7	103	80-120	
Chromium	ug/L	200	212	106	80-120	
Cobalt	ug/L	200	209	105	80-120	
Copper	ug/L	200	201	100	80-120	
Iron	ug/L	2000	2120	106	80-120	
Lead	ug/L	200	207	104	80-120	
Nickel	ug/L	200	212	106	80-120	
Selenium	ug/L	200	211	105	80-120	
Silver	ug/L	20	20.6	103	80-120	
Sodium	mg/L	10	10.1	101	80-120	
Vanadium	ug/L	200	206	103	80-120	
Zinc	ug/L	1000	1060	106	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4269207 4269208

Parameter	Units	35677854001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	3.4 U	200	200	210	210	105	105	75-125	0	20	
Barium	ug/L	10.6	200	200	220	219	105	104	75-125	1	20	
Beryllium	ug/L	0.17 U	20	20	21.0	21.0	105	105	75-125	0	20	
Cadmium	ug/L	0.75 I	20	20	20.9	21.0	101	101	75-125	1	20	
Chromium	ug/L	1.7 U	200	200	214	214	107	107	75-125	0	20	
Cobalt	ug/L	1.0 I	200	200	210	210	105	104	75-125	0	20	
Copper	ug/L	3.1 I	200	200	213	213	105	105	75-125	0	20	
Iron	ug/L	57.6	2000	2000	2190	2170	107	106	75-125	1	20	
Lead	ug/L	4.6 U	200	200	205	202	103	101	75-125	2	20	
Nickel	ug/L	3.1 I	200	200	212	212	104	104	75-125	0	20	
Selenium	ug/L	3.9 U	200	200	207	208	104	104	75-125	0	20	
Silver	ug/L	1.0 U	20	20	21.5	21.6	106	107	75-125	0	20	
Sodium	mg/L	98600 ug/L	10	10	111	109	120	104	75-125	1	20	
Vanadium	ug/L	1.5 I	200	200	212	212	105	105	75-125	0	20	
Zinc	ug/L	27.0	1000	1000	1070	1070	105	105	75-125	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

QC Batch: 778854
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677900001, 35677900002, 35677900003

METHOD BLANK: 4269201 Matrix: Water
Associated Lab Samples: 35677900001, 35677900002, 35677900003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/18/21 16:34	
Thallium	ug/L	0.11 U	1.0	0.11	11/18/21 16:34	

LABORATORY CONTROL SAMPLE: 4269202

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	50.3	101	80-120	
Thallium	ug/L	50	51.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4269203 4269204

Parameter	Units	35677854002 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	50.8	51.5	102	103	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	46.9	46.8	94	94	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.: 35677900

QC Batch: 780139
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677900001, 35677900002

METHOD BLANK: 4277020
Matrix: Water
Associated Lab Samples: 35677900001, 35677900002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	11/23/21 11:25	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/23/21 11:25	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	11/23/21 11:25	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/23/21 11:25	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	11/23/21 11:25	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	11/23/21 11:25	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	11/23/21 11:25	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	11/23/21 11:25	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	11/23/21 11:25	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	11/23/21 11:25	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	11/23/21 11:25	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	11/23/21 11:25	
2-Hexanone	ug/L	3.2 U	25.0	3.2	11/23/21 11:25	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	11/23/21 11:25	
Acetone	ug/L	5.3 U	25.0	5.3	11/23/21 11:25	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	11/23/21 11:25	
Benzene	ug/L	0.30 U	1.0	0.30	11/23/21 11:25	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	11/23/21 11:25	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	11/23/21 11:25	
Bromoform	ug/L	0.48 U	3.0	0.48	11/23/21 11:25	J(v2)
Bromomethane	ug/L	8.1 U	10.0	8.1	11/23/21 11:25	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	11/23/21 11:25	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	11/23/21 11:25	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	11/23/21 11:25	
Chloroethane	ug/L	3.7 U	10.0	3.7	11/23/21 11:25	
Chloroform	ug/L	0.32 U	1.0	0.32	11/23/21 11:25	
Chloromethane	ug/L	0.43 U	1.0	0.43	11/23/21 11:25	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	11/23/21 11:25	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	11/23/21 11:25	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	11/23/21 11:25	
Dibromomethane	ug/L	0.68 U	2.0	0.68	11/23/21 11:25	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	11/23/21 11:25	
Iodomethane	ug/L	9.3 U	10.0	9.3	11/23/21 11:25	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	11/23/21 11:25	
Styrene	ug/L	0.26 U	1.0	0.26	11/23/21 11:25	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	11/23/21 11:25	
Toluene	ug/L	0.33 U	1.0	0.33	11/23/21 11:25	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	11/23/21 11:25	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	11/23/21 11:25	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	11/23/21 11:25	J(v2)

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

METHOD BLANK: 4277020 Matrix: Water
Associated Lab Samples: 35677900001, 35677900002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	11/23/21 11:25	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	11/23/21 11:25	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	11/23/21 11:25	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	11/23/21 11:25	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	11/23/21 11:25	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130		11/23/21 11:25	
4-Bromofluorobenzene (S)	%	106	70-130		11/23/21 11:25	
Toluene-d8 (S)	%	96	70-130		11/23/21 11:25	

LABORATORY CONTROL SAMPLE: 4277021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.0	105	70-130	
1,1,1-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	93	68-125	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethene	ug/L	20	19.1	95	66-133	
1,2,3-Trichloropropane	ug/L	20	18.8	94	62-127	
1,2-Dichlorobenzene	ug/L	20	19.4	97	70-130	
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
1,2-Dichloropropane	ug/L	20	18.4	92	70-130	
1,4-Dichlorobenzene	ug/L	20	19.2	96	70-130	
2-Butanone (MEK)	ug/L	100	94.4	94	47-143	
2-Hexanone	ug/L	100	93.9	94	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.7	100	57-132	
Acetone	ug/L	100	111	111	46-148	
Acrylonitrile	ug/L	100	95.0	95	60-143	
Benzene	ug/L	20	19.2	96	70-130	
Bromochloromethane	ug/L	20	19.8	99	70-130	
Bromodichloromethane	ug/L	20	20.5	103	70-130	
Bromoform	ug/L	20	15.8	79	49-126	J(v3)
Bromomethane	ug/L	20	8.1 U	29	10-165	J(v3)
Carbon disulfide	ug/L	20	19.2	96	60-141	
Carbon tetrachloride	ug/L	20	21.5	108	63-126	
Chlorobenzene	ug/L	20	19.7	99	70-130	
Chloroethane	ug/L	20	19.2	96	71-142	
Chloroform	ug/L	20	18.7	93	70-130	
Chloromethane	ug/L	20	17.3	87	40-140	
cis-1,2-Dichloroethene	ug/L	20	18.9	94	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.1	96	70-130	
Dibromochloromethane	ug/L	20	17.3	86	62-118	
Dibromomethane	ug/L	20	21.4	107	70-130	
Ethylbenzene	ug/L	20	19.6	98	70-130	

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REPORT OF LABORATORY ANALYSIS

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

LABORATORY CONTROL SAMPLE: 4277021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	16	10-164	J(v3)
Methylene Chloride	ug/L	20	18.0	90	65-136	
Styrene	ug/L	20	20.8	104	70-130	
Tetrachloroethene	ug/L	20	21.2	106	64-134	
Toluene	ug/L	20	19.1	95	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.8	94	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.4	97	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	11.1	56	42-129	J(v3)
Trichloroethene	ug/L	20	21.2	106	70-130	
Trichlorofluoromethane	ug/L	20	21.4	107	65-135	
Vinyl acetate	ug/L	20	20.2	101	60-144	
Vinyl chloride	ug/L	20	16.8	84	68-131	
Xylene (Total)	ug/L	60	62.3	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			109	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4277023

Parameter	Units	35677772002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.8	99	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	19.1	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	16.7	83	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.7	94	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.5	92	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	19.5	97	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	17.0	85	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	16.9	85	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	18.3	92	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	17.9	89	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.1	85	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	76.6	77	47-143	
2-Hexanone	ug/L	3.2 U	100	83.0	83	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	89.2	89	57-132	
Acetone	ug/L	5.3 U	100	91.5	92	46-148	
Acrylonitrile	ug/L	3.7 U	100	96.6	97	60-143	
Benzene	ug/L	0.30 U	20	18.3	91	70-130	
Bromochloromethane	ug/L	0.37 U	20	18.7	94	70-130	
Bromodichloromethane	ug/L	0.19 U	20	19.4	97	70-130	
Bromoform	ug/L	0.48 U	20	15.2	76	49-126	J(v3)
Bromomethane	ug/L	8.1 U	20	8.1 U	27	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	20.0	100	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	21.2	106	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.2	91	70-130	
Chloroethane	ug/L	3.7 U	20	19.9	99	71-142	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

MATRIX SPIKE SAMPLE: 4277023

Parameter	Units	35677772002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	17.8	88	70-130	
Chloromethane	ug/L	0.43 U	20	16.7	84	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	18.5	92	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.4	82	70-130	
Dibromochloromethane	ug/L	0.45 U	20	16.6	83	62-118	
Dibromomethane	ug/L	0.68 U	20	20.4	102	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.3	91	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	26	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	16.6	83	65-136	
Styrene	ug/L	0.26 U	20	19.2	96	70-130	
Tetrachloroethene	ug/L	0.38 U	20	19.7	98	64-134	
Toluene	ug/L	0.33 U	20	17.9	90	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.2	91	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	18.0	90	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	9.1 I	46	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	20.0	100	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	22.7	114	65-135	
Vinyl acetate	ug/L	1.8 U	20	19.5	97	60-144	
Vinyl chloride	ug/L	0.39 U	20	16.8	84	68-131	
Xylene (Total)	ug/L	2.1 U	60	57.9	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				110	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 4277022

Parameter	Units	35677772001 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	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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	23.6	23.8	1	40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

SAMPLE DUPLICATE: 4277022

Parameter	Units	35677772001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	J(v2)
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 I		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Ethylbenzene	ug/L	2.1	2.1	0	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	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	3.1	3.1	1	40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	5.3	5.4	1	40	
1,2-Dichlorobenzene-d4 (S)	%	101	99		40	
4-Bromofluorobenzene (S)	%	111	113		40	
Toluene-d8 (S)	%	97	97		40	

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8 East Tower Circle
Ormond Beach, FL 32174
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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

QC Batch: 780309
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677900003

METHOD BLANK: 4278077
Matrix: Water
Associated Lab Samples: 35677900003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	11/23/21 17:58	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/23/21 17:58	
1,1,2,2-Tetrachloroethane	ug/L	0.18 U	1.0	0.18	11/23/21 17:58	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/23/21 17:58	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	11/23/21 17:58	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	11/23/21 17:58	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	11/23/21 17:58	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	11/23/21 17:58	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	11/23/21 17:58	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	11/23/21 17:58	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	11/23/21 17:58	
2-Butanone (MEK)	ug/L	3.4 U	50.0	3.4	11/23/21 17:58	J(v2)
2-Hexanone	ug/L	3.2 U	25.0	3.2	11/23/21 17:58	
4-Methyl-2-pentanone (MIBK)	ug/L	2.8 U	25.0	2.8	11/23/21 17:58	
Acetone	ug/L	5.3 U	25.0	5.3	11/23/21 17:58	
Acrylonitrile	ug/L	0.93 U	20.0	0.93	11/23/21 17:58	
Benzene	ug/L	0.30 U	1.0	0.30	11/23/21 17:58	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	11/23/21 17:58	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	11/23/21 17:58	
Bromoform	ug/L	1.0 U	3.0	1.0	11/23/21 17:58	
Bromomethane	ug/L	2.3 U	10.0	2.3	11/23/21 17:58	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	11/23/21 17:58	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	11/23/21 17:58	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	11/23/21 17:58	
Chloroethane	ug/L	1.4 U	10.0	1.4	11/23/21 17:58	
Chloroform	ug/L	0.32 U	1.0	0.32	11/23/21 17:58	
Chloromethane	ug/L	0.96 U	1.0	0.96	11/23/21 17:58	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	11/23/21 17:58	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	11/23/21 17:58	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	11/23/21 17:58	
Dibromomethane	ug/L	0.24 U	2.0	0.24	11/23/21 17:58	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	11/23/21 17:58	
Iodomethane	ug/L	9.3 U	10.0	9.3	11/23/21 17:58	
Methylene Chloride	ug/L	1.5 U	5.0	1.5	11/23/21 17:58	
Styrene	ug/L	0.26 U	1.0	0.26	11/23/21 17:58	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	11/23/21 17:58	
Toluene	ug/L	0.33 U	1.0	0.33	11/23/21 17:58	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	11/23/21 17:58	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	11/23/21 17:58	
trans-1,4-Dichloro-2-butene	ug/L	0.53 U	10.0	0.53	11/23/21 17:58	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

METHOD BLANK: 4278077 Matrix: Water
Associated Lab Samples: 35677900003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	11/23/21 17:58	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	11/23/21 17:58	
Vinyl acetate	ug/L	0.84 U	10.0	0.84	11/23/21 17:58	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	11/23/21 17:58	J(v2)
Xylene (Total)	ug/L	0.63 U	5.0	0.63	11/23/21 17:58	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		11/23/21 17:58	
4-Bromofluorobenzene (S)	%	95	70-130		11/23/21 17:58	
Toluene-d8 (S)	%	100	70-130		11/23/21 17:58	

LABORATORY CONTROL SAMPLE: 4278078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.6	103	70-130	
1,1,1-Trichloroethane	ug/L	20	16.7	84	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	100	68-125	
1,1,2-Trichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethane	ug/L	20	18.0	90	70-130	
1,1-Dichloroethene	ug/L	20	17.8	89	66-133	
1,2,3-Trichloropropane	ug/L	20	19.2	96	62-127	
1,2-Dichlorobenzene	ug/L	20	20.0	100	70-130	
1,2-Dichloroethane	ug/L	20	17.1	86	70-130	
1,2-Dichloropropane	ug/L	20	17.1	86	70-130	
1,4-Dichlorobenzene	ug/L	20	20.3	101	70-130	
2-Butanone (MEK)	ug/L	100	74.5	75	47-143	J(v3)
2-Hexanone	ug/L	100	88.0	88	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	83.9	84	57-132	
Acetone	ug/L	100	82.4	82	46-148	
Acrylonitrile	ug/L	100	81.7	82	60-143	
Benzene	ug/L	20	17.1	85	70-130	
Bromochloromethane	ug/L	20	17.3	87	70-130	
Bromodichloromethane	ug/L	20	17.6	88	70-130	
Bromoform	ug/L	20	20.7	103	49-126	
Bromomethane	ug/L	20	16.1	80	10-165	
Carbon disulfide	ug/L	20	18.5	93	60-141	
Carbon tetrachloride	ug/L	20	17.1	85	63-126	
Chlorobenzene	ug/L	20	19.7	99	70-130	
Chloroethane	ug/L	20	16.3	82	71-142	
Chloroform	ug/L	20	17.0	85	70-130	
Chloromethane	ug/L	20	18.7	93	40-140	
cis-1,2-Dichloroethene	ug/L	20	17.3	87	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.8	89	70-130	
Dibromochloromethane	ug/L	20	18.8	94	62-118	
Dibromomethane	ug/L	20	17.3	86	70-130	
Ethylbenzene	ug/L	20	20.1	101	70-130	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

LABORATORY CONTROL SAMPLE: 4278078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	18.5	92	10-164	
Methylene Chloride	ug/L	20	18.1	91	65-136	
Styrene	ug/L	20	20.5	102	70-130	
Tetrachloroethene	ug/L	20	19.3	97	64-134	
Toluene	ug/L	20	19.8	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.7	88	68-127	
trans-1,3-Dichloropropene	ug/L	20	16.8	84	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	20.9	104	42-129	
Trichloroethene	ug/L	20	17.0	85	70-130	
Trichlorofluoromethane	ug/L	20	17.3	87	65-135	
Vinyl acetate	ug/L	20	17.9	89	60-144	
Vinyl chloride	ug/L	20	15.8	79	68-131	J(v3)
Xylene (Total)	ug/L	60	61.5	103	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			91	70-130	

MATRIX SPIKE SAMPLE: 4278133

Parameter	Units	35677845002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	25.8	129	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.5	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.18 U	20	22.9	115	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	23.3	117	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	22.5	112	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	23.4	117	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	23.9	119	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	24.6	123	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.9	105	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	21.8	109	70-130	
1,4-Dichlorobenzene	ug/L	1.3	20	25.4	121	70-130	
2-Butanone (MEK)	ug/L	3.4 U	100	66.7	67	47-143	J(v3)
2-Hexanone	ug/L	3.2 U	100	81.3	81	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	2.8 U	100	78.9	79	57-132	
Acetone	ug/L	5.3 U	100	69.2	69	46-148	
Acrylonitrile	ug/L	0.93 U	100	65.7	66	60-143	
Benzene	ug/L	0.30 U	20	21.3	106	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.7	104	70-130	
Bromodichloromethane	ug/L	0.19 U	20	21.6	108	70-130	
Bromoform	ug/L	1.0 U	20	23.6	118	49-126	
Bromomethane	ug/L	2.3 U	20	15.4	76	10-165	
Carbon disulfide	ug/L	1.8 U	20	23.0	114	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	21.9	109	63-126	
Chlorobenzene	ug/L	0.78 I	20	24.8	120	70-130	
Chloroethane	ug/L	1.4 U	20	23.7	118	71-142	

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REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

MATRIX SPIKE SAMPLE: 4278133

Parameter	Units	35677845002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	21.5	107	70-130	
Chloromethane	ug/L	0.96 U	20	20.4	102	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	21.0	105	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	20.3	102	70-130	
Dibromochloromethane	ug/L	0.45 U	20	23.1	115	62-118	
Dibromomethane	ug/L	0.24 U	20	19.7	98	70-130	
Ethylbenzene	ug/L	0.30 U	20	24.3	122	70-130	
Iodomethane	ug/L	9.3 U	20	16.0	80	10-164	
Methylene Chloride	ug/L	1.5 U	20	22.4	112	65-136	
Styrene	ug/L	0.26 U	20	24.8	124	70-130	
Tetrachloroethene	ug/L	0.38 U	20	22.3	112	64-134	
Toluene	ug/L	0.33 U	20	24.3	122	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	21.8	109	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	20.0	100	65-121	
trans-1,4-Dichloro-2-butene	ug/L	0.53 U	20	18.8	94	42-129	
Trichloroethene	ug/L	0.36 U	20	20.5	103	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	22.6	113	65-135	
Vinyl acetate	ug/L	0.84 U	20	16.9	85	60-144	
Vinyl chloride	ug/L	0.39 U	20	18.6	93	68-131	J(v3)
Xylene (Total)	ug/L	0.63 U	60	74.5	124	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				88	70-130	

SAMPLE DUPLICATE: 4278131

Parameter	Units	35677845001 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	0.18 U	0.18 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	3.4 U	3.4 U		40	J(v2)
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	2.8 U	2.8 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	0.93 U	0.93 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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

SAMPLE DUPLICATE: 4278131

Parameter	Units	35677845001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	1.0 U	1.0 U		40	
Bromomethane	ug/L	2.3 U	2.3 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	1.4 U	1.4 U		40	
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.96 U	0.96 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.24 U	0.24 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	1.5 U	1.5 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	
trans-1,4-Dichloro-2-butene	ug/L	0.53 U	0.53 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	0.84 U	0.84 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	J(v2)
Xylene (Total)	ug/L	0.63 U	0.63 U		40	
1,2-Dichlorobenzene-d4 (S)	%	98	100		40	
4-Bromofluorobenzene (S)	%	95	92		40	
Toluene-d8 (S)	%	97	96		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

QC Batch: 779910
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677900001, 35677900002, 35677900003

METHOD BLANK: 4275277
Matrix: Water
Associated Lab Samples: 35677900001, 35677900002, 35677900003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	11/23/21 18:46	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/23/21 18:46	

LABORATORY CONTROL SAMPLE: 4275278

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	103	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.26	103	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4275279 4275280

Parameter	Units	35678031001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0069 U	0.25	0.25	0.28	0.30	113	118	60-140	4	40	
1,2-Dibromoethane (EDB)	ug/L	0.0081 U	0.25	0.25	0.29	0.29	114	117	60-140	2	40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

QC Batch: 779029
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677900001, 35677900002

METHOD BLANK: 4270234
Matrix: Water
Associated Lab Samples: 35677900001, 35677900002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/18/21 14:26	

LABORATORY CONTROL SAMPLE: 4270235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	302	101	90-110	

SAMPLE DUPLICATE: 4270236

Parameter	Units	35677262001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	678	668	1	10	

SAMPLE DUPLICATE: 4270237

Parameter	Units	35677900002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	361	385	6	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

QC Batch: 779382
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677900003

METHOD BLANK: 4272437
Matrix: Water
Associated Lab Samples: 35677900003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/19/21 17:24	

LABORATORY CONTROL SAMPLE: 4272438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	310	103	90-110	

SAMPLE DUPLICATE: 4272439

Parameter	Units	35677845003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	321	253	24	10	J(D6)

SAMPLE DUPLICATE: 4272440

Parameter	Units	35678047005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	370	327	12	10	J(D6)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

QC Batch: 782070
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677900001, 35677900002, 35677900003

METHOD BLANK: 4287738
Matrix: Water
Associated Lab Samples: 35677900001, 35677900002, 35677900003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	12/01/21 16:45	

LABORATORY CONTROL SAMPLE: 4287739

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: 4287740 4287741

Parameter	Units	35677900001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	14.8	50	50	66.9	66.3	104	103	90-110	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35677900

QC Batch: 780827
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35677900001, 35677900002, 35677900003

METHOD BLANK: 4281809
Matrix: Water
Associated Lab Samples: 35677900001, 35677900002, 35677900003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	11/26/21 13:29	

LABORATORY CONTROL SAMPLE: 4281810

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: 4281812 4281811

Parameter	Units	35679648003 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	0.35	1	1	1.4	1.4	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4281813 4281814

Parameter	Units	35679162002 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	37.3	5	5	41.5	42.2	84	98	90-110	2	20	J(M1)

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35677900

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(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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Ormond Beach, FL 32174
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill
Pace Project No.: 35677900

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35677900001	**AD17356 4MW4**	EPA 8011	779910	EPA 8011	780282
35677900002	**AD17357 2MW18D**	EPA 8011	779910	EPA 8011	780282
35677900003	**AD17358 2MW19D**	EPA 8011	779910	EPA 8011	780282
35677900001	**AD17356 4MW4**	EPA 3010	778856	EPA 6010	778978
35677900002	**AD17357 2MW18D**	EPA 3010	778856	EPA 6010	778978
35677900003	**AD17358 2MW19D**	EPA 3010	778856	EPA 6010	778978
35677900001	**AD17356 4MW4**	EPA 3010	778854	EPA 6020	778977
35677900002	**AD17357 2MW18D**	EPA 3010	778854	EPA 6020	778977
35677900003	**AD17358 2MW19D**	EPA 3010	778854	EPA 6020	778977
35677900001	**AD17356 4MW4**	EPA 7470	781188	EPA 7470	781214
35677900002	**AD17357 2MW18D**	EPA 7470	781188	EPA 7470	781214
35677900003	**AD17358 2MW19D**	EPA 7470	781188	EPA 7470	781214
35677900001	**AD17356 4MW4**	EPA 8260	780139		
35677900002	**AD17357 2MW18D**	EPA 8260	780139		
35677900003	**AD17358 2MW19D**	EPA 8260	780309		
35677900001	**AD17356 4MW4**	SM 2540C	779029		
35677900002	**AD17357 2MW18D**	SM 2540C	779029		
35677900003	**AD17358 2MW19D**	SM 2540C	779382		
35677900001	**AD17356 4MW4**	EPA 300.0	782070		
35677900002	**AD17357 2MW18D**	EPA 300.0	782070		
35677900003	**AD17358 2MW19D**	EPA 300.0	782070		
35677900001	**AD17356 4MW4**	EPA 350.1	780827		
35677900002	**AD17357 2MW18D**	EPA 350.1	780827		
35677900003	**AD17358 2MW19D**	EPA 350.1	780827		

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CHAIN-OF-CUSTODY / Analytical Request

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields m

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info

WO# : 35677900

35677900

Section A	Section B	Section C
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)847-8902 Fax:	Project Name: Resource Recovery Landfill	Pace Project Manager: mike.valder@pacelabs.com,
Requested Due Date:	Project #:	Pace Profile #: 942 line 1, 7

State / Location: Florida

ITEM #	SAMPLE ID (One Character per box, (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N)	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	Residual Chlorine (Y/N)
1	AD17356 4MW4		G	11-15-21	950	11/15-21	9:53		8											3	1		2	1	1	
2	AD17357 2MW18D		G	11-15-21	1041	11-15-21	10:44		8											3	1		2	1	1	
3	AD17358 2MW19D		G	11-15-21	14:30	11-15-21	14:33		8											3	1		2	1	1	
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Bottle Kit	[signature] Pace	10/26/21	0845							
	[signature]	11-15-21		TS	11/15/21	15:13				
	[signature]	11/16/21	1638	[signature] T2024.5	11/16/21	1638				
	[signature] PACE	11-16-21	1730	M. McGlynn PACE	11-16-21	1730	13.2	Y		

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER:

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)

Pace Analytical

Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 35677900**

Project Manager: PM: CLG Due Date: 12/02/21

Client: CLIENT: PASCOU

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

Thermometer Used: T202 Date: 11-16-21 Time: 1730 Initials: NJH

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

Cooler #1 Temp.°C 4.3 **(Visual)**	+0.2 **(Correction Factor)**	4.5 **(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
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: MW 9:50 MW 18D 10:41 MW 19D 1430

Preservation Information:
Preservative: ____
Lot #/Trace #: ____
Date: ____ Time: ____
Initials: ____

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

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 13, 2021

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

RE: Project: Resource Recovery Landfill
Pace Project No.: 35679328

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2021. 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

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project:	Resource Recovery Landfill
Pace Project No.:	35679328

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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Resource Recovery Landfill
Pace Project No.: 35679328

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35679328001	**AD17626 4MW9**	Water	11/19/21 10:36	11/22/21 15:26
35679328002	**AD17627 4MW7**	Water	11/19/21 12:59	11/22/21 15:26

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill
Pace Project No.: 35679328

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35679328001	**AD17626 4MW9**	EPA 8011	TSW	2	PASI-O
		EPA 6010	SR2	15	PASI-O
		EPA 6020	PMB	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	RRB	1	PASI-O
35679328002	**AD17627 4MW7**	EPA 8011	TSW	2	PASI-O
		EPA 6010	SR2	15	PASI-O
		EPA 6020	PMB	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	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach
PASI-Tp = Pace Analytical Services - Tampa

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679328

Sample: AD17626 4MW9 **Lab ID: 35679328001** Collected: 11/19/21 10:36 Received: 11/22/21 15:26 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.021	0.0066	1	11/30/21 04:12	11/30/21 20:25	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	11/30/21 04:12	11/30/21 20:25	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/24/21 01:08	11/26/21 09:34	7440-38-2	
Barium	**9.7 I**	ug/L	10.0	0.84	1	11/24/21 01:08	11/26/21 09:34	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/24/21 01:08	11/26/21 09:34	7440-41-7	
Cadmium	**0.34 I**	ug/L	1.0	0.33	1	11/24/21 01:08	11/26/21 09:34	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/24/21 01:08	11/26/21 09:34	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/24/21 01:08	11/26/21 09:34	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/24/21 01:08	11/26/21 09:34	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	11/24/21 01:08	11/26/21 09:34	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/24/21 01:08	11/26/21 09:34	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	11/24/21 01:08	11/26/21 09:34	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/24/21 01:08	11/26/21 09:34	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/24/21 01:08	11/26/21 09:34	7440-22-4	
Sodium	**10.5**	mg/L	2.0	0.54	1	11/24/21 01:08	11/26/21 09:34	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	11/24/21 01:08	11/26/21 09:34	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/24/21 01:08	11/26/21 09:34	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/21 01:08	11/24/21 08:41	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/24/21 01:08	11/24/21 08:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	11/30/21 11:48	12/01/21 14:21	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/28/21 15:06	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/28/21 15:06	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/28/21 15:06	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/28/21 15:06	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/28/21 15:06	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/28/21 15:06	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/28/21 15:06	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/28/21 15:06	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/28/21 15:06	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/28/21 15:06	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/28/21 15:06	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/28/21 15:06	75-00-3	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679328

Sample: AD17626 4MW9 **Lab ID: 35679328001** Collected: 11/19/21 10:36 Received: 11/22/21 15:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/28/21 15:06	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/28/21 15:06	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/28/21 15:06	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/28/21 15:06	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/28/21 15:06	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/28/21 15:06	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/28/21 15:06	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/28/21 15:06	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/28/21 15:06	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/28/21 15:06	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/28/21 15:06	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/28/21 15:06	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/28/21 15:06	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/28/21 15:06	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/28/21 15:06	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/28/21 15:06	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/28/21 15:06	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/28/21 15:06	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/28/21 15:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/28/21 15:06	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/28/21 15:06	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/28/21 15:06	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/28/21 15:06	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/28/21 15:06	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/28/21 15:06	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/28/21 15:06	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/28/21 15:06	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/28/21 15:06	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/28/21 15:06	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/28/21 15:06	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/28/21 15:06	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/28/21 15:06	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/28/21 15:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		11/28/21 15:06	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		11/28/21 15:06	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/28/21 15:06	2199-69-1	
2540C Total Diss. Solids Tampa	Analytical Method: SM 2540C								
	Pace Analytical Services - Tampa								
Total Dissolved Solids	**237**	mg/L	5.0	5.0	1		11/23/21 16:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**24.6**	mg/L	5.0	2.5	1		12/07/21 06:45	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679328

Sample: AD17626 4MW9 **Lab ID: 35679328001** Collected: 11/19/21 10:36 Received: 11/22/21 15:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		11/30/21 14:49	7664-41-7	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679328

Sample: AD17627 4MW7 **Lab ID: 35679328002** Collected: 11/19/21 12:59 Received: 11/22/21 15:26 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.020	0.0066	1	11/30/21 04:12	11/30/21 20:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	11/30/21 04:12	11/30/21 20:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/24/21 01:08	11/26/21 09:38	7440-38-2	
Barium	**9.0 I**	ug/L	10.0	0.84	1	11/24/21 01:08	11/26/21 09:38	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/24/21 01:08	11/26/21 09:38	7440-41-7	
Cadmium	**0.53 I**	ug/L	1.0	0.33	1	11/24/21 01:08	11/26/21 09:38	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/24/21 01:08	11/26/21 09:38	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/24/21 01:08	11/26/21 09:38	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/24/21 01:08	11/26/21 09:38	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	11/24/21 01:08	11/26/21 09:38	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/24/21 01:08	11/26/21 09:38	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	11/24/21 01:08	11/26/21 09:38	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/24/21 01:08	11/26/21 09:38	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/24/21 01:08	11/26/21 09:38	7440-22-4	
Sodium	**4.7**	mg/L	2.0	0.54	1	11/24/21 01:08	11/26/21 09:38	7440-23-5	
Vanadium	**1.4 I**	ug/L	10.0	1.0	1	11/24/21 01:08	11/26/21 09:38	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/24/21 01:08	11/26/21 09:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/21 01:08	11/24/21 08:43	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/24/21 01:08	11/24/21 08:43	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	11/30/21 11:48	12/01/21 14:24	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/28/21 15:30	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/28/21 15:30	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/28/21 15:30	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/28/21 15:30	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/28/21 15:30	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/28/21 15:30	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/28/21 15:30	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/28/21 15:30	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/28/21 15:30	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/28/21 15:30	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/28/21 15:30	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/28/21 15:30	75-00-3	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679328

Sample: AD17627 4MW7 **Lab ID: 35679328002** Collected: 11/19/21 12:59 Received: 11/22/21 15:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/28/21 15:30	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/28/21 15:30	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/28/21 15:30	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/28/21 15:30	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/28/21 15:30	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/28/21 15:30	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/28/21 15:30	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/28/21 15:30	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/28/21 15:30	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/28/21 15:30	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/28/21 15:30	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/28/21 15:30	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/28/21 15:30	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/28/21 15:30	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/28/21 15:30	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/28/21 15:30	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/28/21 15:30	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/28/21 15:30	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/28/21 15:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/28/21 15:30	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/28/21 15:30	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/28/21 15:30	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/28/21 15:30	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/28/21 15:30	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/28/21 15:30	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/28/21 15:30	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/28/21 15:30	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/28/21 15:30	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/28/21 15:30	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/28/21 15:30	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/28/21 15:30	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/28/21 15:30	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/28/21 15:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		11/28/21 15:30	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		11/28/21 15:30	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		11/28/21 15:30	2199-69-1	
2540C Total Diss. Solids Tampa	Analytical Method: SM 2540C								
	Pace Analytical Services - Tampa								
Total Dissolved Solids	**187**	mg/L	5.0	5.0	1		11/23/21 16:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**12.6**	mg/L	5.0	2.5	1		12/07/21 07:50	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679328

Sample: AD17627 4MW7 **Lab ID: 35679328002** Collected: 11/19/21 12:59 Received: 11/22/21 15:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		11/30/21 14:54	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

QC Batch: 781578
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679328001, 35679328002

METHOD BLANK: 4284656
Matrix: Water
Associated Lab Samples: 35679328001, 35679328002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	12/01/21 13:15	

LABORATORY CONTROL SAMPLE: 4284657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.8	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4284658 4284659

Parameter	Units	35679081006 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	1.9	2.0	94	98	75-125	4	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

QC Batch: 780333
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679328001, 35679328002

METHOD BLANK: 4278557
Matrix: Water
Associated Lab Samples: 35679328001, 35679328002

Parameter	Units	Blank Result		Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4	U	10.0	3.4	11/29/21 13:25	
Barium	ug/L	0.84	U	10.0	0.84	11/29/21 13:25	
Beryllium	ug/L	0.17	U	4.0	0.17	11/29/21 13:25	
Cadmium	ug/L	0.33	U	1.0	0.33	11/29/21 13:25	
Chromium	ug/L	1.7	U	5.0	1.7	11/29/21 13:25	
Cobalt	ug/L	0.96	U	10.0	0.96	11/29/21 13:25	
Copper	ug/L	2.6	U	5.0	2.6	11/29/21 13:25	
Iron	ug/L	25.0	U	40.0	25.0	11/29/21 13:25	
Lead	ug/L	4.6	U	10.0	4.6	11/29/21 13:25	
Nickel	ug/L	2.1	U	5.0	2.1	11/29/21 13:25	
Selenium	ug/L	3.9	U	15.0	3.9	11/26/21 08:45	
Silver	ug/L	1.0	U	5.0	1.0	11/29/21 13:25	
Sodium	mg/L	0.54	U	2.0	0.54	11/29/21 13:25	
Vanadium	ug/L	1.0	U	10.0	1.0	11/29/21 13:25	
Zinc	ug/L	11.0	U	20.0	11.0	11/29/21 13:25	

LABORATORY CONTROL SAMPLE: 4278558

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	197	99	80-120	
Barium	ug/L	200	200	100	80-120	
Beryllium	ug/L	20	20.0	100	80-120	
Cadmium	ug/L	20	20.5	102	80-120	
Chromium	ug/L	200	206	103	80-120	
Cobalt	ug/L	200	203	102	80-120	
Copper	ug/L	200	192	96	80-120	
Iron	ug/L	2000	2040	102	80-120	
Lead	ug/L	200	202	101	80-120	
Nickel	ug/L	200	205	103	80-120	
Selenium	ug/L	200	200	100	80-120	
Silver	ug/L	20	20.4	102	80-120	
Sodium	mg/L	10	9.9	99	80-120	
Vanadium	ug/L	200	199	99	80-120	
Zinc	ug/L	1000	1040	104	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4278559 4278560

Parameter	Units	35679428001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	17.0	200	200	218	216	100	100	75-125	1	20	
Barium	ug/L	18.5	200	200	223	223	102	102	75-125	0	20	
Beryllium	ug/L	<0.17	20	20	20.0	20.0	100	100	75-125	0	20	
Cadmium	ug/L	0.52 I	20	20	20.3	20.7	99	101	75-125	2	20	
Chromium	ug/L	<1.7	200	200	211	211	105	105	75-125	0	20	
Cobalt	ug/L	2.2 I	200	200	206	205	102	102	75-125	1	20	
Copper	ug/L	<2.6	200	200	204	205	101	102	75-125	0	20	
Iron	ug/L	5990	2000	2000	8140	8130	107	107	75-125	0	20	
Lead	ug/L	<4.6	200	200	199	200	100	100	75-125	0	20	
Nickel	ug/L	2.9 I	200	200	208	207	102	102	75-125	0	20	
Selenium	ug/L	<3.9	200	200	200	200	100	100	75-125	0	20	
Silver	ug/L	<1.0	20	20	21.1	21.4	104	106	75-125	1	20	
Sodium	mg/L	38.3	10	10	48.9	48.8	106	106	75-125	0	20	
Vanadium	ug/L	3.2 I	200	200	208	209	103	103	75-125	0	20	
Zinc	ug/L	<11.0	1000	1000	1020	1020	102	102	75-125	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

QC Batch: 780332
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679328001, 35679328002

METHOD BLANK: 4278547 Matrix: Water
Associated Lab Samples: 35679328001, 35679328002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/24/21 08:03	
Thallium	ug/L	0.11 U	1.0	0.11	11/24/21 08:03	

LABORATORY CONTROL SAMPLE: 4278548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	56.5	113	80-120	
Thallium	ug/L	50	54.9	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4278549 4278550

Parameter	Units	35679135001 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	45.2	91	90	75-125	2	20	
Thallium	ug/L	0.11 U	50	50	47.0	46.6	94	93	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.: 35679328

QC Batch: 781106
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679328001, 35679328002

METHOD BLANK: 4282899
Matrix: Water
Associated Lab Samples: 35679328001, 35679328002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	11/28/21 12:18	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/28/21 12:18	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	11/28/21 12:18	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/28/21 12:18	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	11/28/21 12:18	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	11/28/21 12:18	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	11/28/21 12:18	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	11/28/21 12:18	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	11/28/21 12:18	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	11/28/21 12:18	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	11/28/21 12:18	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	11/28/21 12:18	
2-Hexanone	ug/L	3.2 U	25.0	3.2	11/28/21 12:18	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	11/28/21 12:18	
Acetone	ug/L	5.3 I	25.0	5.3	11/28/21 12:18	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	11/28/21 12:18	
Benzene	ug/L	0.30 U	1.0	0.30	11/28/21 12:18	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	11/28/21 12:18	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	11/28/21 12:18	
Bromoform	ug/L	0.48 U	3.0	0.48	11/28/21 12:18	
Bromomethane	ug/L	8.1 U	10.0	8.1	11/28/21 12:18	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	11/28/21 12:18	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	11/28/21 12:18	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	11/28/21 12:18	
Chloroethane	ug/L	3.7 U	10.0	3.7	11/28/21 12:18	
Chloroform	ug/L	0.32 U	1.0	0.32	11/28/21 12:18	
Chloromethane	ug/L	0.43 U	1.0	0.43	11/28/21 12:18	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	11/28/21 12:18	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	11/28/21 12:18	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	11/28/21 12:18	
Dibromomethane	ug/L	0.68 U	2.0	0.68	11/28/21 12:18	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	11/28/21 12:18	
Iodomethane	ug/L	9.3 U	10.0	9.3	11/28/21 12:18	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	11/28/21 12:18	
Styrene	ug/L	0.26 U	1.0	0.26	11/28/21 12:18	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	11/28/21 12:18	
Toluene	ug/L	0.33 U	1.0	0.33	11/28/21 12:18	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	11/28/21 12:18	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	11/28/21 12:18	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	11/28/21 12:18	J(v2)

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

METHOD BLANK: 4282899 Matrix: Water
Associated Lab Samples: 35679328001, 35679328002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	11/28/21 12:18	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	11/28/21 12:18	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	11/28/21 12:18	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	11/28/21 12:18	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	11/28/21 12:18	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130		11/28/21 12:18	
4-Bromofluorobenzene (S)	%	108	70-130		11/28/21 12:18	
Toluene-d8 (S)	%	97	70-130		11/28/21 12:18	

LABORATORY CONTROL SAMPLE: 4282900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.4	107	70-130	
1,1,1-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.5	88	68-125	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	19.0	95	70-130	
1,1-Dichloroethene	ug/L	20	18.8	94	66-133	
1,2,3-Trichloropropane	ug/L	20	18.2	91	62-127	
1,2-Dichlorobenzene	ug/L	20	19.5	98	70-130	
1,2-Dichloroethane	ug/L	20	20.6	103	70-130	
1,2-Dichloropropane	ug/L	20	18.3	92	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2-Butanone (MEK)	ug/L	100	88.9	89	47-143	
2-Hexanone	ug/L	100	89.8	90	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	92.8	93	57-132	
Acetone	ug/L	100	108	108	46-148	
Acrylonitrile	ug/L	100	95.6	96	60-143	
Benzene	ug/L	20	18.8	94	70-130	
Bromochloromethane	ug/L	20	20.7	103	70-130	
Bromodichloromethane	ug/L	20	20.6	103	70-130	
Bromoform	ug/L	20	16.6	83	49-126	
Bromomethane	ug/L	20	17.5	88	10-165	
Carbon disulfide	ug/L	20	17.9	89	60-141	
Carbon tetrachloride	ug/L	20	21.2	106	63-126	
Chlorobenzene	ug/L	20	19.4	97	70-130	
Chloroethane	ug/L	20	16.7	84	71-142	
Chloroform	ug/L	20	18.6	93	70-130	
Chloromethane	ug/L	20	19.1	96	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.8	99	70-130	
Dibromochloromethane	ug/L	20	17.8	89	62-118	
Dibromomethane	ug/L	20	22.1	111	70-130	
Ethylbenzene	ug/L	20	19.8	99	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

LABORATORY CONTROL SAMPLE: 4282900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	19.0	95	10-164	
Methylene Chloride	ug/L	20	18.2	91	65-136	
Styrene	ug/L	20	21.8	109	70-130	
Tetrachloroethene	ug/L	20	20.9	104	64-134	
Toluene	ug/L	20	18.5	92	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.0	110	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.6	103	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	12.5	63	42-129	J(v3)
Trichloroethene	ug/L	20	21.0	105	70-130	
Trichlorofluoromethane	ug/L	20	23.1	115	65-135	
Vinyl acetate	ug/L	20	20.3	102	60-144	
Vinyl chloride	ug/L	20	17.9	89	68-131	
Xylene (Total)	ug/L	60	65.1	109	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			115	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 4282902

Parameter	Units	35680089006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.9	104	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	16.7	83	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	19.6	98	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	21.2	106	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	17.3	86	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.0	90	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.7	104	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	17.9	90	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.1	91	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	86.2	86	47-143	
2-Hexanone	ug/L	3.2 U	100	86.3	86	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	91.1	91	57-132	
Acetone	ug/L	5.3 U	100	106	106	46-148	
Acrylonitrile	ug/L	3.7 U	100	92.9	93	60-143	
Benzene	ug/L	0.30 U	20	19.3	96	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.7	103	70-130	
Bromodichloromethane	ug/L	0.19 U	20	21.1	105	70-130	
Bromoform	ug/L	0.48 U	20	16.2	81	49-126	
Bromomethane	ug/L	8.1 U	20	8.1 U	19	10-165	
Carbon disulfide	ug/L	1.8 U	20	19.9	99	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	24.4	122	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.2	96	70-130	
Chloroethane	ug/L	3.7 U	20	16.0	80	71-142	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

MATRIX SPIKE SAMPLE: 4282902

Parameter	Units	35680089006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	19.1	95	70-130	
Chloromethane	ug/L	0.43 U	20	17.5	87	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.1	96	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.7	84	70-130	
Dibromochloromethane	ug/L	0.45 U	20	17.2	86	62-118	
Dibromomethane	ug/L	0.68 U	20	21.9	109	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.4	97	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	7	10-164	J(M1)
Methylene Chloride	ug/L	4.4 U	20	18.4	92	65-136	
Styrene	ug/L	0.26 U	20	19.7	98	70-130	
Tetrachloroethene	ug/L	0.38 U	20	20.9	105	64-134	
Toluene	ug/L	0.33 U	20	18.3	92	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.1	100	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	18.5	92	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	11.1	55	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	21.8	109	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	24.0	120	65-135	
Vinyl acetate	ug/L	1.8 U	20	16.1	80	60-144	
Vinyl chloride	ug/L	0.39 U	20	17.5	88	68-131	
Xylene (Total)	ug/L	2.1 U	60	62.2	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				114	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4282901

Parameter	Units	35680089005 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	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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

SAMPLE DUPLICATE: 4282901

Parameter	Units	35680089005 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 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	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	106	104		40	
4-Bromofluorobenzene (S)	%	108	108		40	
Toluene-d8 (S)	%	99	99		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

QC Batch: 781414
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679328001, 35679328002

METHOD BLANK: 4284051 Matrix: Water
Associated Lab Samples: 35679328001, 35679328002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	11/30/21 14:59	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/30/21 14:59	

LABORATORY CONTROL SAMPLE: 4284052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.27	107	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.27	108	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4284139 4284140

Parameter	Units	35679328002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.25	0.25	0.30	0.29	122	118	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.25	0.25	0.30	0.29	121	117	60-140	3	40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

QC Batch: 780082
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Diss. Solids Tampa
Laboratory: Pace Analytical Services - Tampa
Associated Lab Samples: 35679328001, 35679328002

METHOD BLANK: 4276634
Matrix: Water
Associated Lab Samples: 35679328001, 35679328002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/23/21 16:45	

LABORATORY CONTROL SAMPLE: 4276635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	293	98	90-110	

SAMPLE DUPLICATE: 4276636

Parameter	Units	35678591001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	411	419	2	10	

SAMPLE DUPLICATE: 4276678

Parameter	Units	35678908001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	170	186	9	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

QC Batch: 783103
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679328001, 35679328002

METHOD BLANK: 4293463
Matrix: Water
Associated Lab Samples: 35679328001, 35679328002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	12/07/21 04:34	

LABORATORY CONTROL SAMPLE: 4293464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4294801 4294802

Parameter	Units	35679328001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	24.6	50	50	77.0	77.1	105	105	90-110	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679328

QC Batch: 781646
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679328001, 35679328002

METHOD BLANK: 4284818 Matrix: Water
Associated Lab Samples: 35679328001, 35679328002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	11/30/21 14:22	

LABORATORY CONTROL SAMPLE: 4284819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4284821 4284820

Parameter	Units	35680460001 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	0.47	1	1	1.5	1.5	103	103	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4284822 4284823

Parameter	Units	35679328001 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	

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35679328

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.

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill
Pace Project No.: 35679328

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35679328001	**AD17626 4MW9**	EPA 8011	781414	EPA 8011	781590
35679328002	**AD17627 4MW7**	EPA 8011	781414	EPA 8011	781590
35679328001	**AD17626 4MW9**	EPA 3010	780333	EPA 6010	780404
35679328002	**AD17627 4MW7**	EPA 3010	780333	EPA 6010	780404
35679328001	**AD17626 4MW9**	EPA 3010	780332	EPA 6020	780403
35679328002	**AD17627 4MW7**	EPA 3010	780332	EPA 6020	780403
35679328001	**AD17626 4MW9**	EPA 7470	781578	EPA 7470	781628
35679328002	**AD17627 4MW7**	EPA 7470	781578	EPA 7470	781628
35679328001	**AD17626 4MW9**	EPA 8260	781106		
35679328002	**AD17627 4MW7**	EPA 8260	781106		
35679328001	**AD17626 4MW9**	SM 2540C	780082		
35679328002	**AD17627 4MW7**	SM 2540C	780082		
35679328001	**AD17626 4MW9**	EPA 300.0	783103		
35679328002	**AD17627 4MW7**	EPA 300.0	783103		
35679328001	**AD17626 4MW9**	EPA 350.1	781646		
35679328002	**AD17627 4MW7**	EPA 350.1	781646		

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Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be co

Submitting a sample via this chain-of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.c

WO# : 35679328

35679328

Section A	Section B	Section C
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)847-8902 Fax:	Project Name: Resource Recovery Landfill	Pace Project Manager: mike.valder@pacelabs.com
Requested Due Date:	Project #:	Pace Profile #: 942 line 1, 7

State / Location: Florida

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	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	Residual Chlorine (Y/N)
1	AD17626 4MW9		G	11-19-21	10:33	11-19-21	10:36		8											3	1		2	1	1	
2	AD17627 4MW7 ~~4MW8~~		G	11-19-21	12:56	11-19-21	12:59		8											3	1		2	1	1	
3	11-19-26																									
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Bottle Kit	[signature] Pace	10/26/21	0845							
	[signature]	11-19-21	1356	[signature]	11-19-21	1356				
	[signature]	11/22/21	1444	[signature]	11/22/21	1444				
	[signature]	11/22/21	1526	Sal K Pace	11/22/21	1526	0.9	Y	N	Y

T-202

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed:

Pace Analytical

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35679328
PM: CLG **Due Date: 12/08/21**
CLIENT: PASCOU

Date and Initials of person:
Examining contents: JTM
Label:
Deliver:
pH: 11-22-21

Thermometer Used: T202 Date: 11/22/21 Time: 15:50 Initials: SRI

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

Cooler #1 Temp.°C 0.7 **(Visual)** +0.2 **(Correction Factor)** 0.9 **(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 ☐ 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: ____ 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): ____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 20, 2021

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

RE: Project: Resource Recovery Landfill
Pace Project No.: 35679611

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on November 23, 2021. 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

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CERTIFICATIONS

Project: Resource Recovery Landfill
Pace Project No.: 35679611

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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Resource Recovery Landfill
Pace Project No.: 35679611

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35679611001	**AD17730 4MW6**	Water	11/22/21 12:35	11/23/21 14:52

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Ormond Beach, FL 32174
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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill
Pace Project No.: 35679611

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35679611001	**AD17730 4MW6**	EPA 8011	JPD	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	LF	1	PASI-Tp
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach
PASI-Tp = Pace Analytical Services - Tampa

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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679611

Sample: AD17730 4MW6 **Lab ID: 35679611001** Collected: 11/22/21 12:35 Received: 11/23/21 14:52 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	11/30/21 18:33	12/02/21 03:47	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	11/30/21 18:33	12/02/21 03:47	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/24/21 03:04	11/24/21 21:55	7440-38-2	
Barium	**5.0 I**	ug/L	10.0	0.84	1	11/24/21 03:04	11/24/21 21:55	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/24/21 03:04	11/24/21 21:55	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	11/24/21 03:04	11/24/21 21:55	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/24/21 03:04	11/24/21 21:55	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/24/21 03:04	11/24/21 21:55	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/24/21 03:04	11/24/21 21:55	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	11/24/21 03:04	11/24/21 21:55	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/24/21 03:04	11/24/21 21:55	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	11/24/21 03:04	11/24/21 21:55	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/24/21 03:04	11/24/21 21:55	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/24/21 03:04	11/24/21 21:55	7440-22-4	
Sodium	**2.5**	mg/L	2.0	0.54	1	11/24/21 03:04	11/24/21 21:55	7440-23-5	
Vanadium	**4.0 I**	ug/L	10.0	1.0	1	11/24/21 03:04	11/24/21 21:55	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/24/21 03:04	11/24/21 21:55	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/21 03:04	11/30/21 14:19	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	11/24/21 03:04	11/30/21 14:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/02/21 14:23	12/06/21 12:18	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		11/29/21 16:51	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/29/21 16:51	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/29/21 16:51	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/29/21 16:51	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/29/21 16:51	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/29/21 16:51	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/29/21 16:51	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/29/21 16:51	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/29/21 16:51	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/29/21 16:51	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/29/21 16:51	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/29/21 16:51	75-00-3	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679611

Sample: AD17730 4MW6 **Lab ID: 35679611001** Collected: 11/22/21 12:35 Received: 11/23/21 14:52 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/29/21 16:51	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/29/21 16:51	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/29/21 16:51	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/29/21 16:51	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/29/21 16:51	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/29/21 16:51	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/29/21 16:51	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/29/21 16:51	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/29/21 16:51	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/29/21 16:51	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/29/21 16:51	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/29/21 16:51	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/29/21 16:51	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/29/21 16:51	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/29/21 16:51	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/29/21 16:51	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/29/21 16:51	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/29/21 16:51	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/29/21 16:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/29/21 16:51	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/29/21 16:51	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/29/21 16:51	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/29/21 16:51	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/29/21 16:51	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/29/21 16:51	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/29/21 16:51	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/29/21 16:51	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/29/21 16:51	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/29/21 16:51	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/29/21 16:51	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/29/21 16:51	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/29/21 16:51	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/29/21 16:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		11/29/21 16:51	460-00-4	
Toluene-d8 (S)	105	%	70-130		1		11/29/21 16:51	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/29/21 16:51	2199-69-1	
2540C Total Diss. Solids Tampa	Analytical Method: SM 2540C								
	Pace Analytical Services - Tampa								
Total Dissolved Solids	**73.0**	mg/L	5.0	5.0	1		11/24/21 16:27		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**25.0 U**	mg/L	50.0	25.0	10		12/17/21 11:02	16887-00-6	D3

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679611

Sample: AD17730 4MW6 **Lab ID: 35679611001** Collected: 11/22/21 12:35 Received: 11/23/21 14:52 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		12/01/21 15:04	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

QC Batch: 782168
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679611001

METHOD BLANK: 4288213 Matrix: Water
Associated Lab Samples: 35679611001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	12/06/21 12:13	

LABORATORY CONTROL SAMPLE: 4288214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4288215 4288216

Parameter	Units	35679663003 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	1.9	1.9	94	95	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.: 35679611

QC Batch: 780390
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679611001

METHOD BLANK: 4278829
Matrix: Water
Associated Lab Samples: 35679611001

Parameter	Units	Blank Result		Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4	U	10.0	3.4	11/24/21 20:45	
Barium	ug/L	0.84	U	10.0	0.84	11/24/21 20:45	
Beryllium	ug/L	0.17	U	4.0	0.17	11/24/21 20:45	
Cadmium	ug/L	0.33	U	1.0	0.33	11/24/21 20:45	
Chromium	ug/L	1.7	U	5.0	1.7	11/24/21 20:45	
Cobalt	ug/L	0.96	U	10.0	0.96	11/24/21 20:45	
Copper	ug/L	2.6	U	5.0	2.6	11/24/21 20:45	
Iron	ug/L	25.0	U	40.0	25.0	11/24/21 20:45	
Lead	ug/L	4.6	U	10.0	4.6	11/24/21 20:45	
Nickel	ug/L	2.1	U	5.0	2.1	11/24/21 20:45	
Selenium	ug/L	3.9	U	15.0	3.9	11/24/21 20:45	
Silver	ug/L	1.0	U	5.0	1.0	11/24/21 20:45	
Sodium	mg/L	0.54	U	2.0	0.54	11/24/21 20:45	
Vanadium	ug/L	1.0	U	10.0	1.0	11/24/21 20:45	
Zinc	ug/L	11.0	U	20.0	11.0	11/24/21 20:45	

LABORATORY CONTROL SAMPLE: 4278830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	197	98	80-120	
Barium	ug/L	200	215	107	80-120	
Beryllium	ug/L	20	20.2	101	80-120	
Cadmium	ug/L	20	21.0	105	80-120	
Chromium	ug/L	200	211	105	80-120	
Cobalt	ug/L	200	210	105	80-120	
Copper	ug/L	200	199	100	80-120	
Iron	ug/L	2000	2050	103	80-120	
Lead	ug/L	200	212	106	80-120	
Nickel	ug/L	200	214	107	80-120	
Selenium	ug/L	200	205	102	80-120	
Silver	ug/L	20	20.8	104	80-120	
Sodium	mg/L	10	10.1	101	80-120	
Vanadium	ug/L	200	205	103	80-120	
Zinc	ug/L	1000	1050	105	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4278831 4278832

Parameter	Units	35679701001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	9.3 I	200	200	210	210	100	100	75-125	0	20	
Barium	ug/L	7.5 I	200	200	225	223	109	108	75-125	0	20	
Beryllium	ug/L	0.17 U	20	20	20.5	20.3	103	101	75-125	1	20	
Cadmium	ug/L	0.33 U	20	20	20.5	20.4	102	102	75-125	0	20	
Chromium	ug/L	1.7 U	200	200	209	208	104	104	75-125	0	20	
Cobalt	ug/L	0.96 U	200	200	208	207	104	103	75-125	1	20	
Copper	ug/L	2.6 U	200	200	206	203	103	101	75-125	2	20	
Iron	ug/L	246	2000	2000	2290	2270	102	101	75-125	1	20	
Lead	ug/L	4.6 U	200	200	209	209	104	104	75-125	0	20	
Nickel	ug/L	2.1 U	200	200	211	210	105	105	75-125	1	20	
Selenium	ug/L	3.9 U	200	200	203	201	102	101	75-125	1	20	
Silver	ug/L	1.0 U	20	20	20.5	20.3	103	102	75-125	1	20	
Sodium	mg/L	19500 ug/L	10	10	30.6	29.9	111	104	75-125	2	20	
Vanadium	ug/L	1.0 U	200	200	207	206	103	102	75-125	1	20	
Zinc	ug/L	11.0 U	1000	1000	1020	1010	102	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

QC Batch: 780391
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679611001

METHOD BLANK: 4278833 Matrix: Water
Associated Lab Samples: 35679611001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/30/21 14:14	
Thallium	ug/L	0.11 U	1.0	0.11	11/30/21 14:14	

LABORATORY CONTROL SAMPLE: 4278834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.3	99	80-120	
Thallium	ug/L	50	50.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4278835 4278836

Parameter	Units	35679611001 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	51.8	51.1	103	102	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	51.7	52.7	103	105	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

QC Batch: 781292
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679611001

METHOD BLANK: 4283368
Matrix: Water
Associated Lab Samples: 35679611001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	11/29/21 11:24	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/29/21 11:24	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	11/29/21 11:24	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/29/21 11:24	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	11/29/21 11:24	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	11/29/21 11:24	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	11/29/21 11:24	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	11/29/21 11:24	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	11/29/21 11:24	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	11/29/21 11:24	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	11/29/21 11:24	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	11/29/21 11:24	
2-Hexanone	ug/L	3.2 U	25.0	3.2	11/29/21 11:24	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	11/29/21 11:24	
Acetone	ug/L	5.8 I	25.0	5.3	11/29/21 11:24	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	11/29/21 11:24	
Benzene	ug/L	0.30 U	1.0	0.30	11/29/21 11:24	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	11/29/21 11:24	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	11/29/21 11:24	
Bromoform	ug/L	0.48 U	3.0	0.48	11/29/21 11:24	J(v2)
Bromomethane	ug/L	8.1 U	10.0	8.1	11/29/21 11:24	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	11/29/21 11:24	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	11/29/21 11:24	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	11/29/21 11:24	
Chloroethane	ug/L	3.7 U	10.0	3.7	11/29/21 11:24	
Chloroform	ug/L	0.32 U	1.0	0.32	11/29/21 11:24	
Chloromethane	ug/L	0.43 U	1.0	0.43	11/29/21 11:24	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	11/29/21 11:24	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	11/29/21 11:24	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	11/29/21 11:24	
Dibromomethane	ug/L	0.68 U	2.0	0.68	11/29/21 11:24	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	11/29/21 11:24	
Iodomethane	ug/L	9.3 U	10.0	9.3	11/29/21 11:24	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	11/29/21 11:24	
Styrene	ug/L	0.26 U	1.0	0.26	11/29/21 11:24	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	11/29/21 11:24	
Toluene	ug/L	0.33 U	1.0	0.33	11/29/21 11:24	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	11/29/21 11:24	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	11/29/21 11:24	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	11/29/21 11:24	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

METHOD BLANK: 4283368 Matrix: Water
Associated Lab Samples: 35679611001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	11/29/21 11:24	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	11/29/21 11:24	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	11/29/21 11:24	J(v2)
Vinyl chloride	ug/L	0.39 U	1.0	0.39	11/29/21 11:24	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	11/29/21 11:24	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130		11/29/21 11:24	
4-Bromofluorobenzene (S)	%	98	70-130		11/29/21 11:24	
Toluene-d8 (S)	%	103	70-130		11/29/21 11:24	

LABORATORY CONTROL SAMPLE: 4283369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	96	70-130	
1,1,1-Trichloroethane	ug/L	20	17.7	88	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.6	93	68-125	
1,1,2-Trichloroethane	ug/L	20	17.6	88	70-130	
1,1-Dichloroethane	ug/L	20	18.9	95	70-130	
1,1-Dichloroethene	ug/L	20	19.3	97	66-133	
1,2,3-Trichloropropane	ug/L	20	19.1	95	62-127	
1,2-Dichlorobenzene	ug/L	20	17.4	87	70-130	
1,2-Dichloroethane	ug/L	20	18.4	92	70-130	
1,2-Dichloropropane	ug/L	20	18.8	94	70-130	
1,4-Dichlorobenzene	ug/L	20	17.6	88	70-130	
2-Butanone (MEK)	ug/L	100	106	106	47-143	
2-Hexanone	ug/L	100	98.3	98	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.5	97	57-132	
Acetone	ug/L	100	119	119	46-148	
Acrylonitrile	ug/L	100	97.0	97	60-143	
Benzene	ug/L	20	18.6	93	70-130	
Bromochloromethane	ug/L	20	18.7	93	70-130	
Bromodichloromethane	ug/L	20	18.0	90	70-130	
Bromoform	ug/L	20	14.4	72	49-126	J(v3)
Bromomethane	ug/L	20	17.5	88	10-165	
Carbon disulfide	ug/L	20	18.6	93	60-141	
Carbon tetrachloride	ug/L	20	17.2	86	63-126	
Chlorobenzene	ug/L	20	17.8	89	70-130	
Chloroethane	ug/L	20	21.0	105	71-142	
Chloroform	ug/L	20	18.5	92	70-130	
Chloromethane	ug/L	20	19.5	98	40-140	
cis-1,2-Dichloroethene	ug/L	20	17.9	89	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.2	96	70-130	
Dibromochloromethane	ug/L	20	16.8	84	62-118	
Dibromomethane	ug/L	20	18.3	92	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.: 35679611

LABORATORY CONTROL SAMPLE: 4283369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	17.8	89	10-164	
Methylene Chloride	ug/L	20	20.8	104	65-136	
Styrene	ug/L	20	18.5	92	70-130	
Tetrachloroethene	ug/L	20	17.2	86	64-134	
Toluene	ug/L	20	17.6	88	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.5	102	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.3	92	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	17.9	89	42-129	
Trichloroethene	ug/L	20	17.9	89	70-130	
Trichlorofluoromethane	ug/L	20	21.5	108	65-135	
Vinyl acetate	ug/L	20	14.2	71	60-144	J(v3)
Vinyl chloride	ug/L	20	19.5	98	68-131	
Xylene (Total)	ug/L	60	54.2	90	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 4283371

Parameter	Units	35679402011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	18.2	91	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	19.1	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.8	89	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.2	86	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	19.8	99	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.0	110	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	16.8	84	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	18.9	94	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.1	95	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	16.8	84	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	96.3	96	47-143	
2-Hexanone	ug/L	3.2 U	100	90.2	90	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	93.6	94	57-132	
Acetone	ug/L	5.3 U	100	112	112	46-148	
Acrylonitrile	ug/L	3.7 U	100	94.6	95	60-143	
Benzene	ug/L	0.30 U	20	19.2	96	70-130	
Bromochloromethane	ug/L	0.37 U	20	18.2	91	70-130	
Bromodichloromethane	ug/L	0.19 U	20	18.9	95	70-130	
Bromoform	ug/L	0.48 U	20	13.9	69	49-126	J(v3)
Bromomethane	ug/L	8.1 U	20	13.0	65	10-165	
Carbon disulfide	ug/L	1.8 U	20	20.8	104	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	19.2	96	63-126	
Chlorobenzene	ug/L	0.35 U	20	17.9	90	70-130	
Chloroethane	ug/L	3.7 U	20	19.3	96	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

MATRIX SPIKE SAMPLE: 4283371

Parameter	Units	35679402011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	18.6	93	70-130	
Chloromethane	ug/L	0.43 U	20	21.4	107	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	18.2	91	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.5	83	70-130	
Dibromochloromethane	ug/L	0.45 U	20	16.4	82	62-118	
Dibromomethane	ug/L	0.68 U	20	17.5	87	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.1	91	70-130	
Iodomethane	ug/L	9.3 U	20	11.0	55	10-164	
Methylene Chloride	ug/L	4.4 U	20	21.4	106	65-136	
Styrene	ug/L	0.26 U	20	17.7	89	70-130	
Tetrachloroethene	ug/L	0.38 U	20	16.8	84	64-134	
Toluene	ug/L	0.33 U	20	17.8	89	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.2	101	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	17.4	87	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	18.2	91	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	22.4	112	65-135	
Vinyl acetate	ug/L	1.8 U	20	16.2	81	60-144	J(v3)
Vinyl chloride	ug/L	0.39 U	20	21.5	108	68-131	
Xylene (Total)	ug/L	2.1 U	60	54.9	92	70-130	
1,2-Dichlorobenzene-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 4283370

Parameter	Units	35679402010 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	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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 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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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

SAMPLE DUPLICATE: 4283370

Parameter	Units	35679402010 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	J(v2)
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 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	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	J(v2)
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	102	104		40	
4-Bromofluorobenzene (S)	%	98	97		40	
Toluene-d8 (S)	%	104	104		40	

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Ormond Beach, FL 32174
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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

QC Batch: 781716
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679611001

METHOD BLANK: 4285356 Matrix: Water
Associated Lab Samples: 35679611001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	12/02/21 02:04	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	12/02/21 02:04	

LABORATORY CONTROL SAMPLE: 4285357

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	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	100	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4285358 4285359

Parameter	Units	35679402011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0067 U	0.25	0.25	0.28	0.27	111	110	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.25	0.25	0.29	0.28	115	113	60-140	2	40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

QC Batch: 780518
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Diss. Solids Tampa
Laboratory: Pace Analytical Services - Tampa
Associated Lab Samples: 35679611001

METHOD BLANK: 4279481
Matrix: Water
Associated Lab Samples: 35679611001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/24/21 16:27	

LABORATORY CONTROL SAMPLE: 4279482

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	293	98	90-110	

SAMPLE DUPLICATE: 4279483

Parameter	Units	35678730005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	510	514	1	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

QC Batch: 785906
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679611001

METHOD BLANK: 4311241
Matrix: Water
Associated Lab Samples: 35679611001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	12/16/21 20:01	

LABORATORY CONTROL SAMPLE: 4311242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4315387 4315388

Parameter	Units	35681860011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	25.3	50	50	76.8	70.5	103	91	90-110	9	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4315389 4315390

Parameter	Units	35684021001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	38.2	50	50	91.2	87.4	106	98	90-110	4	20	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679611

QC Batch: 781944
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679611001

METHOD BLANK: 4286657 Matrix: Water
Associated Lab Samples: 35679611001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	12/01/21 14:44	

LABORATORY CONTROL SAMPLE: 4286658

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: 4286660 4286659

Parameter	Units	35679467002 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	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4286661 4286662

Parameter	Units	35679663004 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	1.1	1	1	2.1	2.1	102	102	90-110	0	20	

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(386)672-5668

QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35679611

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.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill
Pace Project No.: 35679611

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35679611001	**AD17730 4MW6**	EPA 8011	781716	EPA 8011	781938
35679611001	**AD17730 4MW6**	EPA 3010	780390	EPA 6010	780439
35679611001	**AD17730 4MW6**	EPA 3010	780391	EPA 6020	780440
35679611001	**AD17730 4MW6**	EPA 7470	782168	EPA 7470	782364
35679611001	**AD17730 4MW6**	EPA 8260	781292		
35679611001	**AD17730 4MW6**	SM 2540C	780518		
35679611001	**AD17730 4MW6**	EPA 300.0	785906		
35679611001	**AD17730 4MW6**	EPA 350.1	781944		

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Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Do

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelab

WO# : 35679611

35679611

Section A
Required Client Information:

Company:	Pasco County Environmental Laboratory
Address:	8864 Government Drive
	New Port Richey, FL 34654
Email:	
Phone:	(727)847-8902 Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Ms. Candia E. Mulhern
Copy To:	
Purchase Order #:	
Project Name:	Resource Recovery Landfill
Project #:	

Section C
Invoice Information:

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

Regulatory Agency
State / Location
Florida

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): 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	Residual Chlorine (Y/N)
1	AD17730 4MW6		G	11-22-21	12:32	11-22-21	12:35		8										3	1		2	1	1	
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

MATRIX CODE:

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Bottle Kit	Pace	10/26/21	0845				
		11-22-21	1522		11-22-21	1522	
		11/23/21	1409		11/23/21	1409	7202
		11/23/21	1452	Dawn Dargent	11-23-21	1452	0.9

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER:
DATE Signed:

Pace Analytical

Sample Condition Upon Receipt Form (SCUR)

WO#: 35679611
PM: CLG **Due Date: 12/09/21**
CLIENT: PASCOU

Project #
Project Manager:
Client:

Date and Initials of person:
Examining contents: DS
Label:
Deliver: 11-23-21
pH:

Thermometer Used: T202 Date: 11-23-21 Time: 1452 Initials: DS

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

Cooler #1 Temp.°C 0.7 **(Visual)** +0.2 **(Correction Factor)** 0.9 **(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 ☐ 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: Exceptions: Vials, Microbiology, O&G, PFAS	☑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): ____

F-FL-C-007 rev.14
Issued: 08/24/21

Issuing Authority:
Pace Florida Quality Office

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 16, 2021

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

RE: Project: Resource Recovery Landfill
Pace Project No.: 35679925

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on November 24, 2021. 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

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CERTIFICATIONS

Project:	Resource Recovery Landfill
Pace Project No.:	35679925

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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Resource Recovery Landfill
Pace Project No.: 35679925

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35679925001	**AD17784 4 MW 27**	Water	11/23/21 12:10	11/24/21 14:04
35679925002	**AD17786 2 MW 27D**	Water	11/23/21 13:00	11/24/21 14:04

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill
Pace Project No.: 35679925

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35679925001	**AD17784 4 MW 27**	EPA 8011	LJM	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35679925002	**AD17786 2 MW 27D**	EPA 8011	LJM	2	PASI-O
		EPA 6010	EMG	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach
PASI-Tp = Pace Analytical Services - Tampa

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679925

Sample: AD17784 4 MW 27 **Lab ID: 35679925001** Collected: 11/23/21 12:10 Received: 11/24/21 14:04 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	12/02/21 14:16	12/03/21 14:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	12/02/21 14:16	12/03/21 14:40	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/28/21 07:49	11/29/21 10:46	7440-38-2	
Barium	**21.4**	ug/L	10.0	0.84	1	11/28/21 07:49	11/29/21 10:46	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/28/21 07:49	11/29/21 10:46	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	11/28/21 07:49	11/29/21 10:46	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/28/21 07:49	11/29/21 10:46	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/28/21 07:49	11/29/21 10:46	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	11/28/21 07:49	11/29/21 10:46	7440-50-8	
Iron	**145**	ug/L	40.0	25.0	1	11/28/21 07:49	11/29/21 10:46	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/28/21 07:49	11/29/21 10:46	7439-92-1	
Nickel	**2.7 I**	ug/L	5.0	2.1	1	11/28/21 07:49	11/29/21 10:46	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/28/21 07:49	11/29/21 10:46	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/28/21 07:49	11/29/21 10:46	7440-22-4	
Sodium	**36.8**	mg/L	2.0	0.54	1	11/28/21 07:49	11/29/21 10:46	7440-23-5	
Vanadium	**11.4**	ug/L	10.0	1.0	1	11/28/21 07:49	11/29/21 10:46	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/28/21 07:49	11/29/21 10:46	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/28/21 07:49	12/01/21 12:50	7440-36-0	
Thallium	**0.19 I**	ug/L	1.0	0.11	1	11/28/21 07:49	12/01/21 12:50	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/07/21 10:39	12/10/21 09:05	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**21.0 I**	ug/L	25.0	5.3	1		11/30/21 14:37	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/30/21 14:37	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/30/21 14:37	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/30/21 14:37	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/30/21 14:37	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/30/21 14:37	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/30/21 14:37	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/30/21 14:37	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/30/21 14:37	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/30/21 14:37	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/30/21 14:37	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/30/21 14:37	75-00-3	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679925

Sample: AD17784 4 MW 27 **Lab ID: 35679925001** Collected: 11/23/21 12:10 Received: 11/24/21 14:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/30/21 14:37	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/30/21 14:37	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/30/21 14:37	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/30/21 14:37	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/30/21 14:37	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/30/21 14:37	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/30/21 14:37	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/30/21 14:37	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/30/21 14:37	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/30/21 14:37	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/30/21 14:37	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/30/21 14:37	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/30/21 14:37	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/30/21 14:37	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/30/21 14:37	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/30/21 14:37	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/30/21 14:37	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/30/21 14:37	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/30/21 14:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/30/21 14:37	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/30/21 14:37	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/30/21 14:37	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/30/21 14:37	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/30/21 14:37	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/30/21 14:37	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/30/21 14:37	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/30/21 14:37	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/30/21 14:37	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/30/21 14:37	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/30/21 14:37	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/30/21 14:37	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/30/21 14:37	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/30/21 14:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		11/30/21 14:37	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		11/30/21 14:37	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/30/21 14:37	2199-69-1	
2540C Total Diss. Solids Tampa	Analytical Method: SM 2540C								
	Pace Analytical Services - Tampa								
Total Dissolved Solids	**357**	mg/L	5.0	5.0	1		11/29/21 16:19		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**80.0**	mg/L	5.0	2.5	1		12/13/21 20:41	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679925

Sample: AD17784 4 MW 27 **Lab ID: 35679925001** Collected: 11/23/21 12:10 Received: 11/24/21 14:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.046 I**	mg/L	0.050	0.035	1		12/07/21 16:44	7664-41-7	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679925

Sample: AD17786 2 MW 27D **Lab ID: 35679925002** Collected: 11/23/21 13:00 Received: 11/24/21 14:04 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 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	12/02/21 14:16	12/03/21 14:55	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	12/02/21 14:16	12/03/21 14:55	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	11/28/21 07:49	11/29/21 10:58	7440-38-2	
Barium	**27.6**	ug/L	10.0	0.84	1	11/28/21 07:49	11/29/21 10:58	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	11/28/21 07:49	11/29/21 10:58	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	11/28/21 07:49	11/29/21 10:58	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	11/28/21 07:49	11/29/21 10:58	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	11/28/21 07:49	11/29/21 10:58	7440-48-4	
Copper	**2.9 I**	ug/L	5.0	2.6	1	11/28/21 07:49	11/29/21 10:58	7440-50-8	
Iron	**73.0**	ug/L	40.0	25.0	1	11/28/21 07:49	11/29/21 10:58	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	11/28/21 07:49	11/29/21 10:58	7439-92-1	
Nickel	**2.4 I**	ug/L	5.0	2.1	1	11/28/21 07:49	11/29/21 10:58	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	11/28/21 07:49	11/29/21 10:58	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	11/28/21 07:49	11/29/21 10:58	7440-22-4	
Sodium	**43.6**	mg/L	2.0	0.54	1	11/28/21 07:49	11/29/21 10:58	7440-23-5	
Vanadium	**1.5 I**	ug/L	10.0	1.0	1	11/28/21 07:49	11/29/21 10:58	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	11/28/21 07:49	11/29/21 10:58	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/28/21 07:49	12/01/21 12:51	7440-36-0	
Thallium	**0.21 I**	ug/L	1.0	0.11	1	11/28/21 07:49	12/01/21 12:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/07/21 10:39	12/10/21 09:07	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**17.7 I**	ug/L	25.0	5.3	1		11/30/21 15:47	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		11/30/21 15:47	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		11/30/21 15:47	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		11/30/21 15:47	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		11/30/21 15:47	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		11/30/21 15:47	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		11/30/21 15:47	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		11/30/21 15:47	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		11/30/21 15:47	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		11/30/21 15:47	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		11/30/21 15:47	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		11/30/21 15:47	75-00-3	

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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679925

Sample: AD17786 2 MW 27D **Lab ID: 35679925002** Collected: 11/23/21 13:00 Received: 11/24/21 14:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		11/30/21 15:47	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		11/30/21 15:47	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		11/30/21 15:47	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		11/30/21 15:47	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		11/30/21 15:47	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		11/30/21 15:47	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		11/30/21 15:47	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		11/30/21 15:47	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		11/30/21 15:47	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		11/30/21 15:47	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		11/30/21 15:47	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		11/30/21 15:47	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		11/30/21 15:47	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		11/30/21 15:47	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		11/30/21 15:47	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		11/30/21 15:47	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		11/30/21 15:47	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		11/30/21 15:47	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		11/30/21 15:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		11/30/21 15:47	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		11/30/21 15:47	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		11/30/21 15:47	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		11/30/21 15:47	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		11/30/21 15:47	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		11/30/21 15:47	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/30/21 15:47	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		11/30/21 15:47	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		11/30/21 15:47	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		11/30/21 15:47	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		11/30/21 15:47	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		11/30/21 15:47	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		11/30/21 15:47	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		11/30/21 15:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/30/21 15:47	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		11/30/21 15:47	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		11/30/21 15:47	2199-69-1	
2540C Total Diss. Solids Tampa	Analytical Method: SM 2540C								
	Pace Analytical Services - Tampa								
Total Dissolved Solids	**405**	mg/L	5.0	5.0	1		11/29/21 16:19		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**79.9**	mg/L	5.0	2.5	1		12/13/21 21:03	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35679925

Sample: AD17786 2 MW 27D **Lab ID: 35679925002** Collected: 11/23/21 13:00 Received: 11/24/21 14:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		12/07/21 16:45	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

QC Batch: 783391
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679925001, 35679925002

METHOD BLANK: 4295518
Matrix: Water
Associated Lab Samples: 35679925001, 35679925002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	12/10/21 09:00	

LABORATORY CONTROL SAMPLE: 4295519

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4295520 4295521

Parameter	Units	35680362002 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	96	98	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

QC Batch: 781078
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679925001, 35679925002

METHOD BLANK: 4282861
Matrix: Water
Associated Lab Samples: 35679925001, 35679925002

Parameter	Units	Blank Result		Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4	U	10.0	3.4	11/29/21 10:04	
Barium	ug/L	0.84	U	10.0	0.84	11/29/21 10:04	
Beryllium	ug/L	0.17	U	4.0	0.17	11/29/21 10:04	
Cadmium	ug/L	0.33	U	1.0	0.33	11/29/21 10:04	
Chromium	ug/L	1.7	U	5.0	1.7	11/29/21 10:04	
Cobalt	ug/L	0.96	U	10.0	0.96	11/29/21 10:04	
Copper	ug/L	2.6	U	5.0	2.6	11/29/21 10:04	
Iron	ug/L	25.0	U	40.0	25.0	11/29/21 10:04	
Lead	ug/L	4.6	U	10.0	4.6	11/29/21 10:04	
Nickel	ug/L	2.1	U	5.0	2.1	11/29/21 10:04	
Selenium	ug/L	3.9	U	15.0	3.9	11/29/21 10:04	
Silver	ug/L	1.0	U	5.0	1.0	11/29/21 10:04	
Sodium	mg/L	0.54	U	2.0	0.54	11/29/21 10:04	
Vanadium	ug/L	1.0	U	10.0	1.0	11/29/21 10:04	
Zinc	ug/L	11.0	U	20.0	11.0	11/29/21 10:04	

LABORATORY CONTROL SAMPLE: 4282862

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	198	99	80-120	
Barium	ug/L	200	209	105	80-120	
Beryllium	ug/L	20	20.2	101	80-120	
Cadmium	ug/L	20	20.7	103	80-120	
Chromium	ug/L	200	207	104	80-120	
Cobalt	ug/L	200	207	104	80-120	
Copper	ug/L	200	194	97	80-120	
Iron	ug/L	2000	2100	105	80-120	
Lead	ug/L	200	208	104	80-120	
Nickel	ug/L	200	211	106	80-120	
Selenium	ug/L	200	203	102	80-120	
Silver	ug/L	20	19.9	99	80-120	
Sodium	mg/L	10	10.4	104	80-120	
Vanadium	ug/L	200	200	100	80-120	
Zinc	ug/L	1000	1050	105	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4282863 4282864

Parameter	Units	35679925001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	3.4 U	200	200	201	200	100	99	75-125	0	20	
Barium	ug/L	21.4	200	200	235	235	107	107	75-125	0	20	
Beryllium	ug/L	0.17 U	20	20	20.5	20.5	102	102	75-125	0	20	
Cadmium	ug/L	0.33 U	20	20	20.5	20.7	102	103	75-125	1	20	
Chromium	ug/L	1.7 U	200	200	211	211	105	106	75-125	0	20	
Cobalt	ug/L	0.96 U	200	200	207	208	104	104	75-125	0	20	
Copper	ug/L	2.6 U	200	200	199	197	100	98	75-125	1	20	
Iron	ug/L	145	2000	2000	2260	2330	106	109	75-125	3	20	
Lead	ug/L	4.6 U	200	200	208	208	104	103	75-125	0	20	
Nickel	ug/L	2.7 I	200	200	212	212	104	105	75-125	0	20	
Selenium	ug/L	3.9 U	200	200	201	200	100	100	75-125	0	20	
Silver	ug/L	1.0 U	20	20	20.0	20.2	100	101	75-125	1	20	
Sodium	mg/L	36.8	10	10	48.0	48.6	111	117	75-125	1	20	
Vanadium	ug/L	11.4	200	200	216	214	102	101	75-125	1	20	
Zinc	ug/L	11.0 U	1000	1000	1030	1040	103	104	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

QC Batch: 781079
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679925001, 35679925002

METHOD BLANK: 4282865 Matrix: Water
Associated Lab Samples: 35679925001, 35679925002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	12/01/21 12:47	
Thallium	ug/L	0.11 U	1.0	0.11	12/01/21 12:47	

LABORATORY CONTROL SAMPLE: 4282866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.1	98	80-120	
Thallium	ug/L	50	52.8	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4282867 4282868

Parameter	Units	35679925002 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	50.0	50.4	100	101	75-125	1	20	
Thallium	ug/L	0.21 I	50	50	52.2	51.4	104	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

QC Batch: 781611
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679925001, 35679925002

METHOD BLANK: 4284745
Matrix: Water
Associated Lab Samples: 35679925001, 35679925002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	11/30/21 11:30	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/30/21 11:30	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	11/30/21 11:30	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	11/30/21 11:30	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	11/30/21 11:30	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	11/30/21 11:30	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	11/30/21 11:30	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	11/30/21 11:30	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	11/30/21 11:30	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	11/30/21 11:30	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	11/30/21 11:30	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	11/30/21 11:30	
2-Hexanone	ug/L	3.2 U	25.0	3.2	11/30/21 11:30	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	11/30/21 11:30	
Acetone	ug/L	5.3 U	25.0	5.3	11/30/21 11:30	J(v1)
Acrylonitrile	ug/L	3.7 U	20.0	3.7	11/30/21 11:30	
Benzene	ug/L	0.30 U	1.0	0.30	11/30/21 11:30	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	11/30/21 11:30	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	11/30/21 11:30	
Bromoform	ug/L	0.48 U	3.0	0.48	11/30/21 11:30	J(v2)
Bromomethane	ug/L	8.1 U	10.0	8.1	11/30/21 11:30	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	11/30/21 11:30	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	11/30/21 11:30	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	11/30/21 11:30	
Chloroethane	ug/L	3.7 U	10.0	3.7	11/30/21 11:30	
Chloroform	ug/L	0.32 U	1.0	0.32	11/30/21 11:30	
Chloromethane	ug/L	0.43 U	1.0	0.43	11/30/21 11:30	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	11/30/21 11:30	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	11/30/21 11:30	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	11/30/21 11:30	
Dibromomethane	ug/L	0.68 U	2.0	0.68	11/30/21 11:30	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	11/30/21 11:30	
Iodomethane	ug/L	9.3 U	10.0	9.3	11/30/21 11:30	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	11/30/21 11:30	
Styrene	ug/L	0.26 U	1.0	0.26	11/30/21 11:30	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	11/30/21 11:30	
Toluene	ug/L	0.33 U	1.0	0.33	11/30/21 11:30	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	11/30/21 11:30	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	11/30/21 11:30	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	11/30/21 11:30	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

METHOD BLANK: 4284745 Matrix: Water
Associated Lab Samples: 35679925001, 35679925002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	11/30/21 11:30	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	11/30/21 11:30	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	11/30/21 11:30	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	11/30/21 11:30	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	11/30/21 11:30	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130		11/30/21 11:30	
4-Bromofluorobenzene (S)	%	94	70-130		11/30/21 11:30	
Toluene-d8 (S)	%	105	70-130		11/30/21 11:30	

LABORATORY CONTROL SAMPLE: 4284746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.2	96	70-130	
1,1,1-Trichloroethane	ug/L	20	17.9	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.5	97	68-125	
1,1,2-Trichloroethane	ug/L	20	18.0	90	70-130	
1,1-Dichloroethane	ug/L	20	19.5	98	70-130	
1,1-Dichloroethene	ug/L	20	19.4	97	66-133	
1,2,3-Trichloropropane	ug/L	20	21.1	105	62-127	
1,2-Dichlorobenzene	ug/L	20	17.8	89	70-130	
1,2-Dichloroethane	ug/L	20	19.2	96	70-130	
1,2-Dichloropropane	ug/L	20	18.9	94	70-130	
1,4-Dichlorobenzene	ug/L	20	18.2	91	70-130	
2-Butanone (MEK)	ug/L	100	111	111	47-143	
2-Hexanone	ug/L	100	103	103	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	57-132	
Acetone	ug/L	100	128	128	46-148	J(v1)
Acrylonitrile	ug/L	100	104	104	60-143	
Benzene	ug/L	20	18.7	94	70-130	
Bromochloromethane	ug/L	20	17.7	88	70-130	
Bromodichloromethane	ug/L	20	19.3	97	70-130	
Bromoform	ug/L	20	15.0	75	49-126	J(v3)
Bromomethane	ug/L	20	8.1 U	30	10-165	J(v3)
Carbon disulfide	ug/L	20	20.3	101	60-141	
Carbon tetrachloride	ug/L	20	18.0	90	63-126	
Chlorobenzene	ug/L	20	18.0	90	70-130	
Chloroethane	ug/L	20	18.9	95	71-142	
Chloroform	ug/L	20	18.6	93	70-130	
Chloromethane	ug/L	20	17.4	87	40-140	
cis-1,2-Dichloroethene	ug/L	20	17.8	89	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.5	97	70-130	
Dibromochloromethane	ug/L	20	17.1	85	62-118	
Dibromomethane	ug/L	20	17.8	89	70-130	
Ethylbenzene	ug/L	20	17.9	90	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

LABORATORY CONTROL SAMPLE: 4284746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	26	10-164	J(v3)
Methylene Chloride	ug/L	20	21.8	109	65-136	
Styrene	ug/L	20	18.5	92	70-130	
Tetrachloroethene	ug/L	20	17.8	89	64-134	
Toluene	ug/L	20	18.0	90	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.6	98	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	18.5	92	70-130	
Trichlorofluoromethane	ug/L	20	18.9	94	65-135	
Vinyl acetate	ug/L	20	21.1	106	60-144	
Vinyl chloride	ug/L	20	17.8	89	68-131	
Xylene (Total)	ug/L	60	55.4	92	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 4284748

Parameter	Units	35679670007 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	21.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	20.9	104	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	19.8	99	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.4	107	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	20.4	102	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	22.5	113	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	21.7	109	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.9	104	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.6	93	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	118	118	47-143	
2-Hexanone	ug/L	3.2 U	100	119	119	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	114	114	57-132	
Acetone	ug/L	5.3 U	100	121	121	46-148	J(v1)
Acrylonitrile	ug/L	3.7 U	100	112	112	60-143	
Benzene	ug/L	0.30 U	20	20.8	104	70-130	
Bromochloromethane	ug/L	0.37 U	20	19.2	96	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.8	104	70-130	
Bromoform	ug/L	0.48 U	20	15.4	77	49-126	J(v2)
Bromomethane	ug/L	8.1 U	20	8.1 U	36	10-165	J(v2)
Carbon disulfide	ug/L	1.8 U	20	19.6	98	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	19.5	98	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.3	96	70-130	
Chloroethane	ug/L	3.7 U	20	20.3	101	71-142	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

MATRIX SPIKE SAMPLE: 4284748

Parameter	Units	35679670007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	20.5	103	70-130	
Chloromethane	ug/L	0.43 U	20	17.9	90	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	20.8	104	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	20.0	100	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.9	94	62-118	
Dibromomethane	ug/L	0.68 U	20	19.6	98	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.5	98	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	41	10-164	J(v2)
Methylene Chloride	ug/L	4.4 U	20	20.0	100	65-136	
Styrene	ug/L	0.26 U	20	19.7	99	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.0	90	64-134	
Toluene	ug/L	0.33 U	20	19.3	97	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	21.2	106	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	20.3	101	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	19.1	95	42-129	
Trichloroethene	ug/L	0.36 U	20	19.6	98	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	21.2	106	65-135	
Vinyl acetate	ug/L	1.8 U	20	24.3	122	60-144	
Vinyl chloride	ug/L	0.39 U	20	18.8	94	68-131	
Xylene (Total)	ug/L	2.1 U	60	60.6	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4284747

Parameter	Units	35679925002 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	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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	17.7 I	5.8 I		40	J(v1)
Acrylonitrile	ug/L	3.7 U	3.7 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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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

SAMPLE DUPLICATE: 4284747

Parameter	Units	35679925002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	J(v2)
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 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	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	104	101		40	
4-Bromofluorobenzene (S)	%	99	95		40	
Toluene-d8 (S)	%	103	100		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

QC Batch: 782260
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679925001, 35679925002

METHOD BLANK: 4288925
Matrix: Water
Associated Lab Samples: 35679925001, 35679925002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	12/03/21 09:40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	12/03/21 09:40	

LABORATORY CONTROL SAMPLE: 4288926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	106	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.27	109	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4288927 4288928

Parameter	Units	35680675015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.44	0.44	0.54	0.52	124	120	60-140	4	40	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.44	0.44	0.55	0.52	126	119	60-140	6	40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

QC Batch: 781248
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Diss. Solids Tampa
Laboratory: Pace Analytical Services - Tampa
Associated Lab Samples: 35679925001, 35679925002

METHOD BLANK: 4283257
Matrix: Water
Associated Lab Samples: 35679925001, 35679925002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/29/21 16:19	

LABORATORY CONTROL SAMPLE: 4283258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	294	98	90-110	

SAMPLE DUPLICATE: 4283259

Parameter	Units	35679500001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	9140	9380	3	10	

SAMPLE DUPLICATE: 4283260

Parameter	Units	35679925001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	357	352	1	10	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

QC Batch: 784808
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679925001, 35679925002

METHOD BLANK: 4304496
Matrix: Water
Associated Lab Samples: 35679925001, 35679925002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	12/13/21 14:07	

LABORATORY CONTROL SAMPLE: 4304497

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310494 4310495

Parameter	Units	35682046001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	73.8	50	50	124	123	100	99	90-110	0	20	L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310496 4310497

Parameter	Units	35680446001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.8	50	50	69.6	68.2	104	101	90-110	2	20	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35679925

QC Batch: 783463
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35679925001, 35679925002

METHOD BLANK: 4295956
Matrix: Water
Associated Lab Samples: 35679925001, 35679925002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	12/07/21 15:07	

LABORATORY CONTROL SAMPLE: 4295957

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: 4295959 4295958

Parameter	Units	35681574002 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	1.3	1	1	2.3	2.3	100	105	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4295960 4295961

Parameter	Units	35681871001 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	8.5	1	1	9.4	9.4	97	95	90-110	0	20	

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(386)672-5668

QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35679925

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.

BATCH QUALIFIERS

Batch: 781101

[PB]	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

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.
L	Off-scale high. Actual value is known to be greater than value given.

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill
Pace Project No.: 35679925

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35679925001	**AD17784 4 MW 27**	EPA 8011	782260	EPA 8011	782468
35679925002	**AD17786 2 MW 27D**	EPA 8011	782260	EPA 8011	782468
35679925001	**AD17784 4 MW 27**	EPA 3010	781078	EPA 6010	781101
35679925002	**AD17786 2 MW 27D**	EPA 3010	781078	EPA 6010	781101
35679925001	**AD17784 4 MW 27**	EPA 3010	781079	EPA 6020	781102
35679925002	**AD17786 2 MW 27D**	EPA 3010	781079	EPA 6020	781102
35679925001	**AD17784 4 MW 27**	EPA 7470	783391	EPA 7470	783432
35679925002	**AD17786 2 MW 27D**	EPA 7470	783391	EPA 7470	783432
35679925001	**AD17784 4 MW 27**	EPA 8260	781611		
35679925002	**AD17786 2 MW 27D**	EPA 8260	781611		
35679925001	**AD17784 4 MW 27**	SM 2540C	781248		
35679925002	**AD17786 2 MW 27D**	SM 2540C	781248		
35679925001	**AD17784 4 MW 27**	EPA 300.0	784808		
35679925002	**AD17786 2 MW 27D**	EPA 300.0	784808		
35679925001	**AD17784 4 MW 27**	EPA 350.1	783463		
35679925002	**AD17786 2 MW 27D**	EPA 350.1	783463		

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Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Doc

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be co

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at:https://info.pacelabs.c

WO# : 35679925

35679925

Section A
Required Client Information:

Company:	Pasco County Environmental Laboratory
Address:	8864 Government Drive
	New Port Richey, FL 34654
Email:	
Phone: (727)847-8902	Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Ms. Candia E. Mulhern
Copy To:	
Purchase Order #:	
Project Name:	Resource Recovery Landfill
Project #:	

Section C
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

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N)	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	Residual Chlorine (Y/N)	
1	AD 17784 FB 4MW27		G	11-23-21	12:07	11-23-21	12:10		8											3	1		2	1	1		
2	AD 17786 2MW27D		G	11-23-21	12:57	11-23-21	13:00		8											3	1		2	1	1		
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Bottle Kit	Pace	10/26/21	0845							
		11-23-21	1505		11-23-21	1505				
		11/24/21	1320		11/24/21	1320	TCO			
		11/24/21	1404	Dawn Sargent	11-24-21	1404	4.4	Y	N	Y

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)

Pace Analytical

WO#: 35679925

PM: CLG Due Date: 12/14/21

CLIENT: PASCOU

CUR)

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: DS

Label:

Deliver: 11-24-21

pH:

Thermometer Used: T202 Date: 11-24-21 Time: 1404 Initials: DS

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

Cooler #1 Temp.°C 4.2 **(Visual)**	+0.2 **(Correction Factor)**	4.4 **(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. All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes ☐ No ☐N/A ☑Yes ☐ No ☐N/A	Preservation Information: Preservative: ____ 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): ____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 16, 2021

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

RE: Project: Resource Recovery Landfill
Pace Project No.: 35680648

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on November 30, 2021. 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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8 East Tower Circle
Ormond Beach, FL 32174
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CERTIFICATIONS

Project:	Resource Recovery Landfill
Pace Project No.:	35680648

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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35680648001	**AD 17900 4 MW 8**	Water	11/29/21 10:54	11/30/21 15:20
35680648002	**AD 17901 4 MW 21**	Water	11/29/21 13:35	11/30/21 15:20
35680648003	**AD 17902 4 MW 22**	Water	11/29/21 14:33	11/30/21 15:20

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35680648001	**AD 17900 4 MW 8**	EPA 8011	TSW	2	PASI-O
		EPA 6010	SR2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35680648002	**AD 17901 4 MW 21**	EPA 8011	TSW	2	PASI-O
		EPA 6010	SR2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35680648003	**AD 17902 4 MW 22**	EPA 8011	TSW	2	PASI-O
		EPA 6010	SR2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Sample: AD 17900 4 MW 8 **Lab ID: 35680648001** Collected: 11/29/21 10:54 Received: 11/30/21 15:20 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 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	12/02/21 22:29	12/04/21 17:22	96-12-8	
1,2-Dibromoethane (EDB)	**0.0080 U**	ug/L	0.011	0.0080	1	12/02/21 22:29	12/04/21 17:22	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/02/21 01:17	12/02/21 19:17	7440-38-2	
Barium	**7.7 I**	ug/L	10.0	0.84	1	12/02/21 01:17	12/02/21 19:17	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/02/21 01:17	12/02/21 19:17	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/02/21 01:17	12/02/21 19:17	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/02/21 01:17	12/02/21 19:17	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/02/21 01:17	12/02/21 19:17	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/02/21 01:17	12/02/21 19:17	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	12/02/21 01:17	12/02/21 19:17	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/02/21 01:17	12/02/21 19:17	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	12/02/21 01:17	12/02/21 19:17	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/02/21 01:17	12/02/21 19:17	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/02/21 01:17	12/02/21 19:17	7440-22-4	
Sodium	**4.3**	mg/L	2.0	0.54	1	12/02/21 01:17	12/02/21 19:17	7440-23-5	
Vanadium	**1.4 I**	ug/L	10.0	1.0	1	12/02/21 01:17	12/02/21 19:17	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/02/21 01:17	12/02/21 19:17	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/02/21 01:17	12/02/21 18:00	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/02/21 01:17	12/02/21 18:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/07/21 10:39	12/10/21 09:48	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/02/21 02:20	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/02/21 02:20	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 02:20	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/02/21 02:20	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/02/21 02:20	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/02/21 02:20	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/02/21 02:20	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/02/21 02:20	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/02/21 02:20	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/02/21 02:20	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/02/21 02:20	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/02/21 02:20	75-00-3	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Sample: AD 17900 4 MW 8 **Lab ID: 35680648001** Collected: 11/29/21 10:54 Received: 11/30/21 15:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/02/21 02:20	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/02/21 02:20	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/02/21 02:20	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/02/21 02:20	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/02/21 02:20	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/02/21 02:20	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/02/21 02:20	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/02/21 02:20	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/02/21 02:20	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/02/21 02:20	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/02/21 02:20	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/02/21 02:20	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/02/21 02:20	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/02/21 02:20	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/02/21 02:20	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 02:20	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/02/21 02:20	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/02/21 02:20	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/02/21 02:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/02/21 02:20	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/02/21 02:20	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/02/21 02:20	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/02/21 02:20	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/02/21 02:20	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/02/21 02:20	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 02:20	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 02:20	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/02/21 02:20	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/02/21 02:20	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/02/21 02:20	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/02/21 02:20	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/02/21 02:20	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/02/21 02:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/02/21 02:20	460-00-4	
Toluene-d8 (S)	106	%	70-130		1		12/02/21 02:20	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/02/21 02:20	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**228**	mg/L	5.0	5.0	1		12/02/21 16:20		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**10.4**	mg/L	5.0	2.5	1		12/14/21 02:09	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Sample: AD 17900 4 MW 8 **Lab ID: 35680648001** Collected: 11/29/21 10:54 Received: 11/30/21 15:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		12/13/21 14:28	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Sample: AD 17901 4 MW 21 **Lab ID: 35680648002** Collected: 11/29/21 13:35 Received: 11/30/21 15:20 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 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0069 U**	ug/L	0.021	0.0069	1	12/02/21 22:29	12/04/21 17:37	96-12-8	
1,2-Dibromoethane (EDB)	**0.0080 U**	ug/L	0.011	0.0080	1	12/02/21 22:29	12/04/21 17:37	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/02/21 01:17	12/02/21 19:21	7440-38-2	
Barium	**9.2 I**	ug/L	10.0	0.84	1	12/02/21 01:17	12/02/21 19:21	7440-39-3	
Beryllium	**0.22 I**	ug/L	4.0	0.17	1	12/02/21 01:17	12/02/21 19:21	7440-41-7	
Cadmium	**1.2**	ug/L	1.0	0.33	1	12/02/21 01:17	12/02/21 19:21	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/02/21 01:17	12/02/21 19:21	7440-47-3	
Cobalt	**1.4 I**	ug/L	10.0	0.96	1	12/02/21 01:17	12/02/21 19:21	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/02/21 01:17	12/02/21 19:21	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	12/02/21 01:17	12/02/21 19:21	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/02/21 01:17	12/02/21 19:21	7439-92-1	
Nickel	**2.1 I**	ug/L	5.0	2.1	1	12/02/21 01:17	12/02/21 19:21	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/02/21 01:17	12/02/21 19:21	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/02/21 01:17	12/02/21 19:21	7440-22-4	
Sodium	**4.8**	mg/L	2.0	0.54	1	12/02/21 01:17	12/02/21 19:21	7440-23-5	
Vanadium	**1.9 I**	ug/L	10.0	1.0	1	12/02/21 01:17	12/02/21 19:21	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/02/21 01:17	12/02/21 19:21	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/02/21 01:17	12/02/21 18:02	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/02/21 01:17	12/02/21 18:02	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/07/21 10:39	12/10/21 09:55	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/02/21 03:07	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/02/21 03:07	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 03:07	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/02/21 03:07	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/02/21 03:07	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/02/21 03:07	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/02/21 03:07	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/02/21 03:07	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/02/21 03:07	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/02/21 03:07	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/02/21 03:07	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/02/21 03:07	75-00-3	

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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Sample: AD 17901 4 MW 21 **Lab ID: 35680648002** Collected: 11/29/21 13:35 Received: 11/30/21 15:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/02/21 03:07	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/02/21 03:07	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/02/21 03:07	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/02/21 03:07	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/02/21 03:07	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/02/21 03:07	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/02/21 03:07	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/02/21 03:07	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/02/21 03:07	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/02/21 03:07	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/02/21 03:07	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/02/21 03:07	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/02/21 03:07	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/02/21 03:07	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/02/21 03:07	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 03:07	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/02/21 03:07	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/02/21 03:07	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/02/21 03:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/02/21 03:07	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/02/21 03:07	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/02/21 03:07	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/02/21 03:07	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/02/21 03:07	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/02/21 03:07	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 03:07	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 03:07	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/02/21 03:07	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/02/21 03:07	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/02/21 03:07	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/02/21 03:07	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/02/21 03:07	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/02/21 03:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/02/21 03:07	460-00-4	
Toluene-d8 (S)	109	%	70-130		1		12/02/21 03:07	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		12/02/21 03:07	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**105**	mg/L	5.0	5.0	1		12/03/21 17:42		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**8.7**	mg/L	5.0	2.5	1		12/14/21 03:14	16887-00-6	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Sample: AD 17901 4 MW 21 **Lab ID: 35680648002** Collected: 11/29/21 13:35 Received: 11/30/21 15:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		12/13/21 13:04	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Sample: AD 17902 4 MW 22 **Lab ID: 35680648003** Collected: 11/29/21 14:33 Received: 11/30/21 15:20 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	12/02/21 22:29	12/04/21 17:52	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	12/02/21 22:29	12/04/21 17:52	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/02/21 01:17	12/02/21 19:25	7440-38-2	
Barium	**11.4**	ug/L	10.0	0.84	1	12/02/21 01:17	12/02/21 19:25	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/02/21 01:17	12/02/21 19:25	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/02/21 01:17	12/02/21 19:25	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/02/21 01:17	12/02/21 19:25	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/02/21 01:17	12/02/21 19:25	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/02/21 01:17	12/02/21 19:25	7440-50-8	
Iron	**28.4 I**	ug/L	40.0	25.0	1	12/02/21 01:17	12/02/21 19:25	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/02/21 01:17	12/02/21 19:25	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	12/02/21 01:17	12/02/21 19:25	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/02/21 01:17	12/02/21 19:25	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/02/21 01:17	12/02/21 19:25	7440-22-4	
Sodium	**6.3**	mg/L	2.0	0.54	1	12/02/21 01:17	12/02/21 19:25	7440-23-5	
Vanadium	**1.1 I**	ug/L	10.0	1.0	1	12/02/21 01:17	12/02/21 19:25	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/02/21 01:17	12/02/21 19:25	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/02/21 01:17	12/02/21 18:08	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/02/21 01:17	12/02/21 18:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/07/21 10:39	12/10/21 09:57	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/02/21 03:31	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/02/21 03:31	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 03:31	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/02/21 03:31	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/02/21 03:31	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/02/21 03:31	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/02/21 03:31	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/02/21 03:31	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/02/21 03:31	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/02/21 03:31	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/02/21 03:31	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/02/21 03:31	75-00-3	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Sample: AD 17902 4 MW 22 **Lab ID: 35680648003** Collected: 11/29/21 14:33 Received: 11/30/21 15:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/02/21 03:31	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/02/21 03:31	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/02/21 03:31	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/02/21 03:31	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/02/21 03:31	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/02/21 03:31	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/02/21 03:31	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/02/21 03:31	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/02/21 03:31	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/02/21 03:31	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/02/21 03:31	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/02/21 03:31	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/02/21 03:31	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/02/21 03:31	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/02/21 03:31	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 03:31	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/02/21 03:31	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/02/21 03:31	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/02/21 03:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/02/21 03:31	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/02/21 03:31	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/02/21 03:31	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/02/21 03:31	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/02/21 03:31	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/02/21 03:31	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 03:31	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/02/21 03:31	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/02/21 03:31	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/02/21 03:31	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/02/21 03:31	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/02/21 03:31	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/02/21 03:31	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/02/21 03:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/02/21 03:31	460-00-4	
Toluene-d8 (S)	108	%	70-130		1		12/02/21 03:31	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		12/02/21 03:31	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**275**	mg/L	5.0	5.0	1		12/03/21 17:42		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**14.5**	mg/L	5.0	2.5	1		12/14/21 03:36	16887-00-6	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Sample: AD 17902 4 MW 22 **Lab ID: 35680648003** Collected: 11/29/21 14:33 Received: 11/30/21 15:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		12/13/21 13:06	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

QC Batch: 783391
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35680648001, 35680648002, 35680648003

METHOD BLANK: 4295518
Matrix: Water
Associated Lab Samples: 35680648001, 35680648002, 35680648003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	12/10/21 09:00	

LABORATORY CONTROL SAMPLE: 4295519

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4295520 4295521

Parameter	Units	35680362002 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	96	98	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

QC Batch: 782112
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35680648001, 35680648002, 35680648003

METHOD BLANK: 4288046
Matrix: Water
Associated Lab Samples: 35680648001, 35680648002, 35680648003

Parameter	Units	Blank Result		Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4	U	10.0	3.4	12/03/21 12:15	
Barium	ug/L	0.84	U	10.0	0.84	12/03/21 12:15	
Beryllium	ug/L	0.17	U	4.0	0.17	12/03/21 12:15	
Cadmium	ug/L	0.33	U	1.0	0.33	12/03/21 12:15	
Chromium	ug/L	1.7	U	5.0	1.7	12/03/21 12:15	
Cobalt	ug/L	0.96	U	10.0	0.96	12/03/21 12:15	
Copper	ug/L	2.6	U	5.0	2.6	12/03/21 12:15	
Iron	ug/L	25.0	U	40.0	25.0	12/03/21 12:15	
Lead	ug/L	4.6	U	10.0	4.6	12/03/21 12:15	
Nickel	ug/L	2.1	U	5.0	2.1	12/03/21 12:15	
Selenium	ug/L	3.9	U	15.0	3.9	12/03/21 12:15	
Silver	ug/L	1.0	U	5.0	1.0	12/03/21 12:15	
Sodium	mg/L	0.54	U	2.0	0.54	12/03/21 12:15	
Vanadium	ug/L	1.0	U	10.0	1.0	12/03/21 12:15	
Zinc	ug/L	11.0	U	20.0	11.0	12/03/21 12:15	

LABORATORY CONTROL SAMPLE: 4288047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	197	98	80-120	
Barium	ug/L	200	202	101	80-120	
Beryllium	ug/L	20	19.7	98	80-120	
Cadmium	ug/L	20	20.4	102	80-120	
Chromium	ug/L	200	207	103	80-120	
Cobalt	ug/L	200	203	102	80-120	
Copper	ug/L	200	197	98	80-120	
Iron	ug/L	2000	2050	102	80-120	
Lead	ug/L	200	201	101	80-120	
Nickel	ug/L	200	205	102	80-120	
Selenium	ug/L	200	194	97	80-120	
Silver	ug/L	20	19.5	97	80-120	
Sodium	mg/L	10	10	100	80-120	
Vanadium	ug/L	200	201	101	80-120	
Zinc	ug/L	1000	1010	101	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4288048 4288049

Parameter	Units	35680667002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<3.4	200	200	201	210	100	104	75-125	4	20	
Barium	ug/L	28.4	200	200	236	237	104	104	75-125	0	20	
Beryllium	ug/L	<0.17	20	20	20.2	20.5	101	102	75-125	1	20	
Cadmium	ug/L	<0.33	20	20	20.5	20.8	102	104	75-125	1	20	
Chromium	ug/L	<1.7	200	200	204	207	102	103	75-125	1	20	
Cobalt	ug/L	<0.96	200	200	206	208	103	104	75-125	1	20	
Copper	ug/L	<2.6	200	200	205	207	102	104	75-125	1	20	
Iron	ug/L	<25.0	2000	2000	2030	2060	101	103	75-125	1	20	
Lead	ug/L	<4.6	200	200	204	207	102	103	75-125	1	20	
Nickel	ug/L	<2.1	200	200	204	207	101	103	75-125	2	20	
Selenium	ug/L	<3.9	200	200	98.0	103	49	51	75-125	5	20	J(M1)
Silver	ug/L	<1.0	20	20	20.4	20.9	102	105	75-125	2	20	
Sodium	mg/L	32.5	10	10	43.3	43.7	108	112	75-125	1	20	
Vanadium	ug/L	1.2 I	200	200	207	208	103	104	75-125	1	20	
Zinc	ug/L	<11.0	1000	1000	1000	1020	100	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

QC Batch: 782111
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35680648001, 35680648002, 35680648003

METHOD BLANK: 4288042 Matrix: Water
Associated Lab Samples: 35680648001, 35680648002, 35680648003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	12/02/21 17:50	
Thallium	ug/L	0.11 U	1.0	0.11	12/02/21 17:50	

LABORATORY CONTROL SAMPLE: 4288043

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	50.0	100	80-120	
Thallium	ug/L	50	50.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4288044 4288045

Parameter	Units	35680648002 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	51.0	50.6	102	101	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	52.7	51.2	105	102	75-125	3	20	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

QC Batch: 782073
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35680648001, 35680648002, 35680648003

METHOD BLANK: 4287782
Matrix: Water
Associated Lab Samples: 35680648001, 35680648002, 35680648003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	12/01/21 23:16	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	12/01/21 23:16	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	12/01/21 23:16	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	12/01/21 23:16	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	12/01/21 23:16	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	12/01/21 23:16	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	12/01/21 23:16	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	12/01/21 23:16	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	12/01/21 23:16	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	12/01/21 23:16	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	12/01/21 23:16	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	12/01/21 23:16	
2-Hexanone	ug/L	3.2 U	25.0	3.2	12/01/21 23:16	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	12/01/21 23:16	
Acetone	ug/L	5.3 U	25.0	5.3	12/01/21 23:16	J(v1)
Acrylonitrile	ug/L	3.7 U	20.0	3.7	12/01/21 23:16	
Benzene	ug/L	0.30 U	1.0	0.30	12/01/21 23:16	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	12/01/21 23:16	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	12/01/21 23:16	
Bromoform	ug/L	0.48 U	3.0	0.48	12/01/21 23:16	J(v2)
Bromomethane	ug/L	8.1 U	10.0	8.1	12/01/21 23:16	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	12/01/21 23:16	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	12/01/21 23:16	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	12/01/21 23:16	
Chloroethane	ug/L	3.7 U	10.0	3.7	12/01/21 23:16	
Chloroform	ug/L	0.32 U	1.0	0.32	12/01/21 23:16	
Chloromethane	ug/L	0.43 U	1.0	0.43	12/01/21 23:16	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	12/01/21 23:16	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	12/01/21 23:16	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	12/01/21 23:16	
Dibromomethane	ug/L	0.68 U	2.0	0.68	12/01/21 23:16	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	12/01/21 23:16	
Iodomethane	ug/L	9.3 U	10.0	9.3	12/01/21 23:16	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	12/01/21 23:16	
Styrene	ug/L	0.26 U	1.0	0.26	12/01/21 23:16	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	12/01/21 23:16	
Toluene	ug/L	0.33 U	1.0	0.33	12/01/21 23:16	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	12/01/21 23:16	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	12/01/21 23:16	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	12/01/21 23:16	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

METHOD BLANK: 4287782 Matrix: Water
Associated Lab Samples: 35680648001, 35680648002, 35680648003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	12/01/21 23:16	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	12/01/21 23:16	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	12/01/21 23:16	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	12/01/21 23:16	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	12/01/21 23:16	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130		12/01/21 23:16	
4-Bromofluorobenzene (S)	%	91	70-130		12/01/21 23:16	
Toluene-d8 (S)	%	106	70-130		12/01/21 23:16	

LABORATORY CONTROL SAMPLE: 4287783

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	18.2	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.1	100	68-125	
1,1,2-Trichloroethane	ug/L	20	18.6	93	70-130	
1,1-Dichloroethane	ug/L	20	19.5	98	70-130	
1,1-Dichloroethene	ug/L	20	20.3	101	66-133	
1,2,3-Trichloropropane	ug/L	20	21.4	107	62-127	
1,2-Dichlorobenzene	ug/L	20	18.2	91	70-130	
1,2-Dichloroethane	ug/L	20	19.6	98	70-130	
1,2-Dichloropropane	ug/L	20	18.8	94	70-130	
1,4-Dichlorobenzene	ug/L	20	18.2	91	70-130	
2-Butanone (MEK)	ug/L	100	114	114	47-143	
2-Hexanone	ug/L	100	106	106	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	57-132	
Acetone	ug/L	100	129	129	46-148	J(v1)
Acrylonitrile	ug/L	100	108	108	60-143	
Benzene	ug/L	20	18.7	94	70-130	
Bromochloromethane	ug/L	20	19.3	96	70-130	
Bromodichloromethane	ug/L	20	21.1	106	70-130	
Bromoform	ug/L	20	17.5	87	49-126	J(v3)
Bromomethane	ug/L	20	8.1 U	35	10-165	J(v3)
Carbon disulfide	ug/L	20	20.5	102	60-141	
Carbon tetrachloride	ug/L	20	18.9	94	63-126	
Chlorobenzene	ug/L	20	18.4	92	70-130	
Chloroethane	ug/L	20	22.6	113	71-142	
Chloroform	ug/L	20	18.7	93	70-130	
Chloromethane	ug/L	20	21.5	108	40-140	
cis-1,2-Dichloroethene	ug/L	20	18.4	92	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	
Dibromochloromethane	ug/L	20	19.4	97	62-118	
Dibromomethane	ug/L	20	19.3	96	70-130	
Ethylbenzene	ug/L	20	18.1	91	70-130	

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REPORT OF LABORATORY ANALYSIS

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

LABORATORY CONTROL SAMPLE: 4287783

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	22.1	110	65-136	
Styrene	ug/L	20	18.3	92	70-130	
Tetrachloroethene	ug/L	20	17.6	88	64-134	
Toluene	ug/L	20	18.0	90	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.3	101	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.8	99	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	19.1	95	42-129	
Trichloroethene	ug/L	20	17.9	90	70-130	
Trichlorofluoromethane	ug/L	20	22.5	112	65-135	
Vinyl acetate	ug/L	20	21.2	106	60-144	
Vinyl chloride	ug/L	20	20.9	104	68-131	
Xylene (Total)	ug/L	60	54.5	91	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 4287785

Parameter	Units	35680820004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.3	102	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	19.0	95	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	21.2	106	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	23.2	116	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	20.0	100	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.6	88	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.1	101	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.7	99	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	16.9	84	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	98.2	98	47-143	
2-Hexanone	ug/L	3.2 U	100	97.1	97	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	97.4	97	57-132	
Acetone	ug/L	5.3 U	100	118	118	46-148	J(v1)
Acrylonitrile	ug/L	3.7 U	100	99.1	99	60-143	
Benzene	ug/L	0.30 U	20	20.2	101	70-130	
Bromochloromethane	ug/L	0.37 U	20	19.0	95	70-130	
Bromodichloromethane	ug/L	0.19 U	20	21.6	108	70-130	
Bromoform	ug/L	0.48 U	20	16.8	84	49-126	J(v3)
Bromomethane	ug/L	8.1 U	20	8.1 U	39	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	21.8	109	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	22.0	110	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.4	92	70-130	
Chloroethane	ug/L	3.7 U	20	24.2	121	71-142	

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Ormond Beach, FL 32174
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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

MATRIX SPIKE SAMPLE: 4287785

Parameter	Units	35680820004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	19.9	100	70-130	
Chloromethane	ug/L	0.43 U	20	22.2	111	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.0	95	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	17.6	88	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.6	93	62-118	
Dibromomethane	ug/L	0.68 U	20	18.9	95	70-130	
Ethylbenzene	ug/L	0.30 U	20	17.9	89	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 I	47	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	23.3	116	65-136	
Styrene	ug/L	0.26 U	20	17.7	89	70-130	
Tetrachloroethene	ug/L	0.38 U	20	16.8	84	64-134	
Toluene	ug/L	0.33 U	20	18.0	90	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	22.6	113	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	18.4	92	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	17.1	85	42-129	
Trichloroethene	ug/L	0.36 U	20	19.2	96	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	24.6	123	65-135	
Vinyl acetate	ug/L	1.8 U	20	18.5	92	60-144	
Vinyl chloride	ug/L	0.39 U	20	23.2	116	68-131	
Xylene (Total)	ug/L	2.1 U	60	53.1	88	70-130	
1,2-Dichlorobenzene-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				96	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 4287784

Parameter	Units	35680820003 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	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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	J(v1)
Acrylonitrile	ug/L	3.7 U	3.7 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.: 35680648

SAMPLE DUPLICATE: 4287784

Parameter	Units	35680820003 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	J(v2)
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 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	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	107	105		40	
4-Bromofluorobenzene (S)	%	93	94		40	
Toluene-d8 (S)	%	107	105		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

QC Batch: 782397
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35680648001, 35680648002, 35680648003

METHOD BLANK: 4289690 Matrix: Water
Associated Lab Samples: 35680648001, 35680648002, 35680648003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	12/04/21 14:09	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	12/04/21 14:09	

LABORATORY CONTROL SAMPLE: 4289691

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 & MATRIX SPIKE DUPLICATE: 4289692 4289693

Parameter	Units	35681138002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	<0.0067	0.44	0.44	0.53	0.55	121	125	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	<0.0079	0.44	0.44	0.54	0.55	123	125	60-140	2	40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

QC Batch: 782330
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35680648001

METHOD BLANK: 4289190
Matrix: Water
Associated Lab Samples: 35680648001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	12/02/21 16:20	

LABORATORY CONTROL SAMPLE: 4289191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	306	102	90-110	

SAMPLE DUPLICATE: 4289193

Parameter	Units	35680446002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	417	418	0	10	

SAMPLE DUPLICATE: 4289230

Parameter	Units	35680446001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	411	407	1	10	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

QC Batch: 782654
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35680648002, 35680648003

METHOD BLANK: 4291440
Matrix: Water
Associated Lab Samples: 35680648002, 35680648003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	12/03/21 17:42	

LABORATORY CONTROL SAMPLE: 4291441

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

SAMPLE DUPLICATE: 4291442

Parameter	Units	35680548002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	100	106	6	10	

SAMPLE DUPLICATE: 4291443

Parameter	Units	35680330012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1000	976	3	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

QC Batch: 784809
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35680648001, 35680648002, 35680648003

METHOD BLANK: 4304498
Matrix: Water
Associated Lab Samples: 35680648001, 35680648002, 35680648003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	12/14/21 01:03	

LABORATORY CONTROL SAMPLE: 4304499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310511 4310512

Parameter	Units	35680648001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.4	50	50	60.1	60.1	100	100	90-110	0	20	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35680648

QC Batch: 784902
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35680648001, 35680648002, 35680648003

METHOD BLANK: 4304818 Matrix: Water
Associated Lab Samples: 35680648001, 35680648002, 35680648003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	12/13/21 12:42	

LABORATORY CONTROL SAMPLE: 4304819

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: 4304821 4304820

Parameter	Units	35680463002 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	110	110	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4304822 4304823

Parameter	Units	35680657009 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	1.1	1	1	2.2	2.2	107	107	90-110	0	20	

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35680648

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.

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(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill
Pace Project No.: 35680648

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35680648001	**AD 17900 4 MW 8**	EPA 8011	782397	EPA 8011	782742
35680648002	**AD 17901 4 MW 21**	EPA 8011	782397	EPA 8011	782742
35680648003	**AD 17902 4 MW 22**	EPA 8011	782397	EPA 8011	782742
35680648001	**AD 17900 4 MW 8**	EPA 3010	782112	EPA 6010	782122
35680648002	**AD 17901 4 MW 21**	EPA 3010	782112	EPA 6010	782122
35680648003	**AD 17902 4 MW 22**	EPA 3010	782112	EPA 6010	782122
35680648001	**AD 17900 4 MW 8**	EPA 3010	782111	EPA 6020	782121
35680648002	**AD 17901 4 MW 21**	EPA 3010	782111	EPA 6020	782121
35680648003	**AD 17902 4 MW 22**	EPA 3010	782111	EPA 6020	782121
35680648001	**AD 17900 4 MW 8**	EPA 7470	783391	EPA 7470	783432
35680648002	**AD 17901 4 MW 21**	EPA 7470	783391	EPA 7470	783432
35680648003	**AD 17902 4 MW 22**	EPA 7470	783391	EPA 7470	783432
35680648001	**AD 17900 4 MW 8**	EPA 8260	782073		
35680648002	**AD 17901 4 MW 21**	EPA 8260	782073		
35680648003	**AD 17902 4 MW 22**	EPA 8260	782073		
35680648001	**AD 17900 4 MW 8**	SM 2540C	782330		
35680648002	**AD 17901 4 MW 21**	SM 2540C	782654		
35680648003	**AD 17902 4 MW 22**	SM 2540C	782654		
35680648001	**AD 17900 4 MW 8**	EPA 300.0	784809		
35680648002	**AD 17901 4 MW 21**	EPA 300.0	784809		
35680648003	**AD 17902 4 MW 22**	EPA 300.0	784809		
35680648001	**AD 17900 4 MW 8**	EPA 350.1	784902		
35680648002	**AD 17901 4 MW 21**	EPA 350.1	784902		
35680648003	**AD 17902 4 MW 22**	EPA 350.1	784902		

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WO# : 35680648

35680648

Pace Analytical

Submitting a sample via this chain of custody constitutes acknowledgment

t Document

must be completed accurately.

pacelabs.com/hubfs/pas-standard-terms.pdf

Page : 1 Of 1

Section A: Required Client Information:

Company:	Pasco County Environmental Laboratory
Address:	8864 Government Drive
	New Port Richey, FL 34654
Email:	
Phone:	(727)847-8902 Fax:
Requested Due Date:	

Section B: Required Project Information:

Report To:	Ms. Candia E. Mulhern
Copy To:	
Purchase Order #:	
Project Name:	Resource Recovery Landfill
Project #:	

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 #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): 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	Residual Chlorine (Y/N)
1	AD17900 4MW 8		G	11-29-21	10:51	11-29-21	10:54		8										3	1		2	1	1	
2	AD17901 4MW 21		G	11-28-21	13:32	11-29-21	13:35		8										3	1		2	1	1	
3	AD17902 4MW 22		G	11-29-21	14:30	11-29-21	14:33		8										3	1		2	1	1	
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Bottle Kit	Pace	10/26/21	0845			
		11-29-21	1516	95 8.6c	11/29/21	1516
		11/30/21	1419		11/30/21	1420
		11/30/21	1520	Dawn Vaugent	11/30-21	1520
					11/30	2156

SAMPLE CONDITIONS

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1.0	Y	N	Y
	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed:

Pace Analytical

WO# : 35680648

PM: CLG Due Date: 12/15/21

CLIENT: PASCOU

Form (SCUR)

Proje

Project Manag

Clie

Date and Initials of person:

Examining contents:

Label:

Deliver: dtw

pH:

Thermometer Used: T-393 Date: 11/30/21 Time: 2203 Initials: dtw

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

Cooler #1 Temp.°C 1.0 (Visual) +0.0 (Correction Factor) 1.0 (Actual) ☐ Samples on ice, cooling process has begun

Cooler #2 Temp.°C 0.6 (Visual) ____ (Correction Factor) 0.6 (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: ____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑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): ____

Pace Analytical

WO#: 35680648
PM: CLG Due Date: 12/15/21
CLIENT: PASCOU

(SCUR)

Project #
Project Manager:
Client:

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

Thermometer Used: T202 Date: 11-30-21 Time: 1520 Initials: DS

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

Cooler #1 Temp.°C 0.7 **(Visual)** +0.2 **(Correction Factor)** 0.9 **(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 ☐ 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:_____ 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):_____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 20, 2021

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

RE: Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 2021. 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.: 35681770

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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35681770001	**AD 4MW11D**	Water	11/30/21 08:18	12/01/21 15:50
35681770002	**AD 4MW14D**	Water	11/30/21 09:31	12/01/21 15:50
35681770003	**AD 4MW12D**	Water	11/30/21 10:55	12/01/21 15:50
35681770004	**AD 2MW15DA**	Water	11/30/21 13:55	12/01/21 15:50

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35681770001	**AD 4MW11D**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35681770002	**AD 4MW14D**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35681770003	**AD 4MW12D**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35681770004	**AD 2MW15DA**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 4MW11D **Lab ID: 35681770001** Collected: 11/30/21 08:18 Received: 12/01/21 15:50 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 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0070 U**	ug/L	0.022	0.0070	1	12/06/21 20:29	12/07/21 13:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.0082 U**	ug/L	0.011	0.0082	1	12/06/21 20:29	12/07/21 13:40	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/07/21 00:57	12/07/21 13:59	7440-38-2	
Barium	**9.4 I**	ug/L	10.0	0.84	1	12/07/21 00:57	12/07/21 13:59	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/07/21 00:57	12/07/21 13:59	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/07/21 00:57	12/07/21 13:59	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/07/21 00:57	12/07/21 13:59	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/07/21 00:57	12/07/21 13:59	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/07/21 00:57	12/07/21 13:59	7440-50-8	
Iron	**37.9 I**	ug/L	40.0	25.0	1	12/07/21 00:57	12/07/21 13:59	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/07/21 00:57	12/07/21 13:59	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	12/07/21 00:57	12/07/21 13:59	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/07/21 00:57	12/07/21 13:59	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/07/21 00:57	12/07/21 13:59	7440-22-4	
Sodium	**14.2**	mg/L	2.0	0.54	1	12/07/21 00:57	12/07/21 13:59	7440-23-5	
Vanadium	**1.9 I**	ug/L	10.0	1.0	1	12/07/21 00:57	12/07/21 13:59	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/07/21 00:57	12/07/21 13:59	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/07/21 00:57	12/07/21 10:38	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/07/21 00:57	12/07/21 10:38	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/09/21 10:05	12/10/21 13:07	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/08/21 19:48	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/08/21 19:48	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 19:48	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 19:48	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/08/21 19:48	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/08/21 19:48	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/08/21 19:48	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/08/21 19:48	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 19:48	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/08/21 19:48	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 19:48	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/08/21 19:48	75-00-3	J(v2)

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 4MW11D **Lab ID: 35681770001** Collected: 11/30/21 08:18 Received: 12/01/21 15:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 19:48	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/08/21 19:48	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/08/21 19:48	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/08/21 19:48	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/08/21 19:48	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/08/21 19:48	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/08/21 19:48	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/08/21 19:48	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 19:48	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 19:48	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 19:48	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 19:48	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 19:48	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/08/21 19:48	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 19:48	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 19:48	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/08/21 19:48	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/08/21 19:48	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/08/21 19:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/08/21 19:48	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/08/21 19:48	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 19:48	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 19:48	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/08/21 19:48	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/08/21 19:48	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 19:48	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 19:48	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/08/21 19:48	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 19:48	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/08/21 19:48	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 19:48	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/08/21 19:48	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/08/21 19:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		12/08/21 19:48	460-00-4	
Toluene-d8 (S)	105	%	70-130		1		12/08/21 19:48	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		12/08/21 19:48	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**259**	mg/L	5.0	5.0	1		12/06/21 16:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**60.7**	mg/L	5.0	2.5	1		12/15/21 05:26	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 4MW11D **Lab ID: 35681770001** Collected: 11/30/21 08:18 Received: 12/01/21 15:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.22**	mg/L	0.050	0.035	1		12/13/21 12:10	7664-41-7	

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 4MW14D **Lab ID: 35681770002** Collected: 11/30/21 09:31 Received: 12/01/21 15:50 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 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	12/06/21 20:29	12/07/21 13:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0080 U**	ug/L	0.011	0.0080	1	12/06/21 20:29	12/07/21 13:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/07/21 00:57	12/07/21 14:02	7440-38-2	
Barium	**9.9 I**	ug/L	10.0	0.84	1	12/07/21 00:57	12/07/21 14:02	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/07/21 00:57	12/07/21 14:02	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/07/21 00:57	12/07/21 14:02	7440-43-9	
Chromium	**14.2**	ug/L	5.0	1.7	1	12/07/21 00:57	12/07/21 14:02	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/07/21 00:57	12/07/21 14:02	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/07/21 00:57	12/07/21 14:02	7440-50-8	
Iron	**124**	ug/L	40.0	25.0	1	12/07/21 00:57	12/07/21 14:02	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/07/21 00:57	12/07/21 14:02	7439-92-1	
Nickel	**2.1 I**	ug/L	5.0	2.1	1	12/07/21 00:57	12/07/21 14:02	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/07/21 00:57	12/07/21 14:02	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/07/21 00:57	12/07/21 14:02	7440-22-4	
Sodium	**8.7**	mg/L	2.0	0.54	1	12/07/21 00:57	12/07/21 14:02	7440-23-5	
Vanadium	**1.6 I**	ug/L	10.0	1.0	1	12/07/21 00:57	12/07/21 14:02	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/07/21 00:57	12/07/21 14:02	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/07/21 00:57	12/07/21 10:45	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/07/21 00:57	12/07/21 10:45	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/09/21 10:05	12/10/21 13:09	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/08/21 20:13	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/08/21 20:13	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 20:13	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 20:13	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/08/21 20:13	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/08/21 20:13	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/08/21 20:13	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/08/21 20:13	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 20:13	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/08/21 20:13	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 20:13	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/08/21 20:13	75-00-3	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 4MW14D **Lab ID: 35681770002** Collected: 11/30/21 09:31 Received: 12/01/21 15:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 20:13	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/08/21 20:13	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/08/21 20:13	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/08/21 20:13	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/08/21 20:13	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/08/21 20:13	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/08/21 20:13	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/08/21 20:13	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 20:13	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 20:13	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 20:13	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 20:13	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 20:13	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/08/21 20:13	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 20:13	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 20:13	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/08/21 20:13	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/08/21 20:13	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/08/21 20:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/08/21 20:13	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/08/21 20:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 20:13	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 20:13	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/08/21 20:13	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/08/21 20:13	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 20:13	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 20:13	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/08/21 20:13	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 20:13	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/08/21 20:13	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 20:13	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/08/21 20:13	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/08/21 20:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		12/08/21 20:13	460-00-4	
Toluene-d8 (S)	105	%	70-130		1		12/08/21 20:13	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/08/21 20:13	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**193**	mg/L	5.0	5.0	1		12/06/21 16:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**15.4**	mg/L	5.0	2.5	1		12/15/21 06:32	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 4MW14D **Lab ID: 35681770002** Collected: 11/30/21 09:31 Received: 12/01/21 15:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.11**	mg/L	0.050	0.035	1		12/13/21 12:12	7664-41-7	

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(386)672-5668

ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 4MW12D **Lab ID: 35681770003** Collected: 11/30/21 10:55 Received: 12/01/21 15:50 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	12/06/21 20:29	12/07/21 14:09	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.010	0.0079	1	12/06/21 20:29	12/07/21 14:09	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/07/21 00:57	12/07/21 14:06	7440-38-2	
Barium	**6.5 I**	ug/L	10.0	0.84	1	12/07/21 00:57	12/07/21 14:06	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/07/21 00:57	12/07/21 14:06	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/07/21 00:57	12/07/21 14:06	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/07/21 00:57	12/07/21 14:06	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/07/21 00:57	12/07/21 14:06	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/07/21 00:57	12/07/21 14:06	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	12/07/21 00:57	12/07/21 14:06	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/07/21 00:57	12/07/21 14:06	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	12/07/21 00:57	12/07/21 14:06	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/07/21 00:57	12/07/21 14:06	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/07/21 00:57	12/07/21 14:06	7440-22-4	
Sodium	**6.1**	mg/L	2.0	0.54	1	12/07/21 00:57	12/07/21 14:06	7440-23-5	
Vanadium	**1.3 I**	ug/L	10.0	1.0	1	12/07/21 00:57	12/07/21 14:06	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/07/21 00:57	12/07/21 14:06	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/07/21 00:57	12/07/21 10:46	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/07/21 00:57	12/07/21 10:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/09/21 10:05	12/10/21 13:12	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/08/21 20:37	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/08/21 20:37	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 20:37	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 20:37	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/08/21 20:37	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/08/21 20:37	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/08/21 20:37	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/08/21 20:37	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 20:37	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/08/21 20:37	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 20:37	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/08/21 20:37	75-00-3	J(v2)

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(386)672-5668

ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 4MW12D **Lab ID: 35681770003** Collected: 11/30/21 10:55 Received: 12/01/21 15:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 20:37	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/08/21 20:37	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/08/21 20:37	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/08/21 20:37	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/08/21 20:37	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/08/21 20:37	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/08/21 20:37	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/08/21 20:37	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 20:37	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 20:37	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 20:37	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 20:37	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 20:37	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/08/21 20:37	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 20:37	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 20:37	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/08/21 20:37	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/08/21 20:37	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/08/21 20:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/08/21 20:37	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/08/21 20:37	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 20:37	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 20:37	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/08/21 20:37	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/08/21 20:37	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 20:37	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 20:37	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/08/21 20:37	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 20:37	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/08/21 20:37	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 20:37	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/08/21 20:37	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/08/21 20:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		12/08/21 20:37	460-00-4	
Toluene-d8 (S)	106	%	70-130		1		12/08/21 20:37	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		12/08/21 20:37	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**239**	mg/L	5.0	5.0	1		12/06/21 16:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**19.2**	mg/L	5.0	2.5	1		12/15/21 21:58	16887-00-6	

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 4MW12D **Lab ID: 35681770003** Collected: 11/30/21 10:55 Received: 12/01/21 15:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.18**	mg/L	0.050	0.035	1		12/13/21 12:17	7664-41-7	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 2MW15DA **Lab ID: 35681770004** Collected: 11/30/21 13:55 Received: 12/01/21 15:50 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	12/06/21 20:29	12/07/21 14:24	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	12/06/21 20:29	12/07/21 14:24	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/07/21 00:57	12/07/21 14:10	7440-38-2	
Barium	**9.2 I**	ug/L	10.0	0.84	1	12/07/21 00:57	12/07/21 14:10	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/07/21 00:57	12/07/21 14:10	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/07/21 00:57	12/07/21 14:10	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/07/21 00:57	12/07/21 14:10	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/07/21 00:57	12/07/21 14:10	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/07/21 00:57	12/07/21 14:10	7440-50-8	
Iron	**30.4 I**	ug/L	40.0	25.0	1	12/07/21 00:57	12/07/21 14:10	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/07/21 00:57	12/07/21 14:10	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	12/07/21 00:57	12/07/21 14:10	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/07/21 00:57	12/07/21 14:10	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/07/21 00:57	12/07/21 14:10	7440-22-4	
Sodium	**3.7**	mg/L	2.0	0.54	1	12/07/21 00:57	12/07/21 14:10	7440-23-5	
Vanadium	**2.0 I**	ug/L	10.0	1.0	1	12/07/21 00:57	12/07/21 14:10	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/07/21 00:57	12/07/21 14:10	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/07/21 00:57	12/07/21 10:51	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/07/21 00:57	12/07/21 10:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/09/21 10:05	12/10/21 13:14	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/08/21 21:25	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/08/21 21:25	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 21:25	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 21:25	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/08/21 21:25	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/08/21 21:25	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/08/21 21:25	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/08/21 21:25	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 21:25	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/08/21 21:25	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 21:25	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/08/21 21:25	75-00-3	J(v2)

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 2MW15DA **Lab ID: 35681770004** Collected: 11/30/21 13:55 Received: 12/01/21 15:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 21:25	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/08/21 21:25	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/08/21 21:25	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/08/21 21:25	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/08/21 21:25	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/08/21 21:25	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/08/21 21:25	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/08/21 21:25	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 21:25	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 21:25	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 21:25	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 21:25	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 21:25	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/08/21 21:25	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 21:25	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 21:25	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/08/21 21:25	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/08/21 21:25	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/08/21 21:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/08/21 21:25	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/08/21 21:25	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 21:25	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 21:25	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/08/21 21:25	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/08/21 21:25	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 21:25	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 21:25	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/08/21 21:25	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 21:25	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/08/21 21:25	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 21:25	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/08/21 21:25	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/08/21 21:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/08/21 21:25	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		12/08/21 21:25	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		12/08/21 21:25	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**181**	mg/L	5.0	5.0	1		12/06/21 16:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**7.0**	mg/L	5.0	2.5	1		12/15/21 23:04	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

Sample: AD 2MW15DA **Lab ID: 35681770004** Collected: 11/30/21 13:55 Received: 12/01/21 15:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.17**	mg/L	0.050	0.035	1		12/13/21 12:22	7664-41-7	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

QC Batch: 784105
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

METHOD BLANK: 4300123 Matrix: Water
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	12/10/21 12:21	

LABORATORY CONTROL SAMPLE: 4300124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4300125 4300126

Parameter	Units	35680592002 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	100	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

QC Batch: 783273
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

METHOD BLANK: 4295089
Matrix: Water
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

Parameter	Units	Blank Result		Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4	U	10.0	3.4	12/07/21 13:47	
Barium	ug/L	0.84	U	10.0	0.84	12/07/21 13:47	
Beryllium	ug/L	0.17	U	4.0	0.17	12/07/21 13:47	
Cadmium	ug/L	0.33	U	1.0	0.33	12/07/21 13:47	
Chromium	ug/L	1.7	U	5.0	1.7	12/07/21 13:47	
Cobalt	ug/L	0.96	U	10.0	0.96	12/07/21 13:47	
Copper	ug/L	2.6	U	5.0	2.6	12/07/21 13:47	
Iron	ug/L	25.0	U	40.0	25.0	12/07/21 13:47	
Lead	ug/L	4.6	U	10.0	4.6	12/07/21 13:47	
Nickel	ug/L	2.1	U	5.0	2.1	12/07/21 13:47	
Selenium	ug/L	3.9	U	15.0	3.9	12/07/21 13:47	
Silver	ug/L	1.0	U	5.0	1.0	12/07/21 13:47	
Sodium	mg/L	0.54	U	2.0	0.54	12/07/21 13:47	
Vanadium	ug/L	1.0	U	10.0	1.0	12/07/21 13:47	
Zinc	ug/L	11.0	U	20.0	11.0	12/07/21 13:47	

LABORATORY CONTROL SAMPLE: 4295090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	190	95	80-120	
Barium	ug/L	200	201	100	80-120	
Beryllium	ug/L	20	19.3	96	80-120	
Cadmium	ug/L	20	20.1	101	80-120	
Chromium	ug/L	200	200	100	80-120	
Cobalt	ug/L	200	200	100	80-120	
Copper	ug/L	200	193	97	80-120	
Iron	ug/L	2000	1990	100	80-120	
Lead	ug/L	200	201	101	80-120	
Nickel	ug/L	200	200	100	80-120	
Selenium	ug/L	200	196	98	80-120	
Silver	ug/L	20	20.6	103	80-120	
Sodium	mg/L	10	10	100	80-120	
Vanadium	ug/L	200	198	99	80-120	
Zinc	ug/L	1000	998	100	80-120	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4295091 4295092

Parameter	Units	35681971008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	3.4 U	200	200	195	192	97	96	75-125	1	20	
Barium	ug/L	29.3	200	200	226	224	98	97	75-125	1	20	
Beryllium	ug/L	0.17 U	20	20	19.5	19.4	97	97	75-125	1	20	
Cadmium	ug/L	0.33 U	20	20	19.6	19.5	98	97	75-125	0	20	
Chromium	ug/L	1.7 U	200	200	199	198	99	99	75-125	0	20	
Cobalt	ug/L	0.96 U	200	200	198	197	99	98	75-125	1	20	
Copper	ug/L	2.6 U	200	200	199	198	99	99	75-125	1	20	
Iron	ug/L	214	2000	2000	2190	2170	99	98	75-125	1	20	
Lead	ug/L	4.6 U	200	200	196	195	98	97	75-125	1	20	
Nickel	ug/L	2.1 U	200	200	198	197	99	98	75-125	1	20	
Selenium	ug/L	3.9 U	200	200	195	193	98	97	75-125	1	20	
Silver	ug/L	1.0 U	20	20	20.7	20.7	103	102	75-125	0	20	
Sodium	mg/L	63.5	10	10	74.0	72.9	105	94	75-125	2	20	
Vanadium	ug/L	1.2 I	200	200	199	198	99	99	75-125	1	20	
Zinc	ug/L	11.0 U	1000	1000	986	978	98	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

QC Batch: 783272
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

METHOD BLANK: 4295085
Matrix: Water
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	12/07/21 10:34	
Thallium	ug/L	0.11 U	1.0	0.11	12/07/21 10:34	

LABORATORY CONTROL SAMPLE: 4295086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.0	96	80-120	
Thallium	ug/L	50	48.1	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4295087 4295088

Parameter	Units	35681770001 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	48.6	48.8	97	98	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	46.7	46.8	93	94	75-125	0	20	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

QC Batch: 783856
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

METHOD BLANK: 4298336
Matrix: Water
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	12/08/21 12:17	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	12/08/21 12:17	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	12/08/21 12:17	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	12/08/21 12:17	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	12/08/21 12:17	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	12/08/21 12:17	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	12/08/21 12:17	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	12/08/21 12:17	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	12/08/21 12:17	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	12/08/21 12:17	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	12/08/21 12:17	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	12/08/21 12:17	
2-Hexanone	ug/L	3.2 U	25.0	3.2	12/08/21 12:17	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	12/08/21 12:17	
Acetone	ug/L	5.3 U	25.0	5.3	12/08/21 12:17	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	12/08/21 12:17	
Benzene	ug/L	0.30 U	1.0	0.30	12/08/21 12:17	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	12/08/21 12:17	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	12/08/21 12:17	
Bromoform	ug/L	0.48 U	3.0	0.48	12/08/21 12:17	
Bromomethane	ug/L	8.1 U	10.0	8.1	12/08/21 12:17	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	12/08/21 12:17	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	12/08/21 12:17	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	12/08/21 12:17	
Chloroethane	ug/L	3.7 U	10.0	3.7	12/08/21 12:17	J(v2)
Chloroform	ug/L	0.32 U	1.0	0.32	12/08/21 12:17	
Chloromethane	ug/L	0.43 U	1.0	0.43	12/08/21 12:17	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	12/08/21 12:17	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	12/08/21 12:17	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	12/08/21 12:17	
Dibromomethane	ug/L	0.68 U	2.0	0.68	12/08/21 12:17	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	12/08/21 12:17	
Iodomethane	ug/L	9.3 U	10.0	9.3	12/08/21 12:17	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	12/08/21 12:17	
Styrene	ug/L	0.26 U	1.0	0.26	12/08/21 12:17	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	12/08/21 12:17	
Toluene	ug/L	0.33 U	1.0	0.33	12/08/21 12:17	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	12/08/21 12:17	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	12/08/21 12:17	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	12/08/21 12:17	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

METHOD BLANK: 4298336 Matrix: Water
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	12/08/21 12:17	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	12/08/21 12:17	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	12/08/21 12:17	J(v2)
Vinyl chloride	ug/L	0.39 U	1.0	0.39	12/08/21 12:17	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	12/08/21 12:17	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130		12/08/21 12:17	
4-Bromofluorobenzene (S)	%	98	70-130		12/08/21 12:17	
Toluene-d8 (S)	%	101	70-130		12/08/21 12:17	

LABORATORY CONTROL SAMPLE: 4298337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.8	99	70-130	
1,1,1-Trichloroethane	ug/L	20	17.6	88	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	97	68-125	
1,1,2-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethane	ug/L	20	19.1	95	70-130	
1,1-Dichloroethene	ug/L	20	17.9	90	66-133	
1,2,3-Trichloropropane	ug/L	20	20.0	100	62-127	
1,2-Dichlorobenzene	ug/L	20	19.0	95	70-130	
1,2-Dichloroethane	ug/L	20	18.7	94	70-130	
1,2-Dichloropropane	ug/L	20	19.4	97	70-130	
1,4-Dichlorobenzene	ug/L	20	18.9	95	70-130	
2-Butanone (MEK)	ug/L	100	101	101	47-143	
2-Hexanone	ug/L	100	106	106	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	57-132	
Acetone	ug/L	100	97.4	97	46-148	
Acrylonitrile	ug/L	100	112	112	60-143	
Benzene	ug/L	20	19.2	96	70-130	
Bromochloromethane	ug/L	20	18.3	92	70-130	
Bromodichloromethane	ug/L	20	18.9	95	70-130	
Bromoform	ug/L	20	18.9	94	49-126	
Bromomethane	ug/L	20	8.1 U	29	10-165	J(v3)
Carbon disulfide	ug/L	20	17.7	89	60-141	
Carbon tetrachloride	ug/L	20	17.8	89	63-126	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	14.4	72	71-142	J(v3)
Chloroform	ug/L	20	17.8	89	70-130	
Chloromethane	ug/L	20	14.8	74	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	20	18.2	91	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.3	96	70-130	
Dibromochloromethane	ug/L	20	19.3	96	62-118	
Dibromomethane	ug/L	20	18.6	93	70-130	
Ethylbenzene	ug/L	20	19.8	99	70-130	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

LABORATORY CONTROL SAMPLE: 4298337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	14	10-164	J(v3)
Methylene Chloride	ug/L	20	18.7	94	65-136	
Styrene	ug/L	20	20.1	100	70-130	
Tetrachloroethene	ug/L	20	19.5	97	64-134	
Toluene	ug/L	20	19.4	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.7	94	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.8	94	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	17.9	90	42-129	
Trichloroethene	ug/L	20	19.2	96	70-130	
Trichlorofluoromethane	ug/L	20	18.4	92	65-135	
Vinyl acetate	ug/L	20	14.2	71	60-144	J(v3)
Vinyl chloride	ug/L	20	16.8	84	68-131	
Xylene (Total)	ug/L	60	60.0	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 4298339

Parameter	Units	35681770004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	21.9	109	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.4	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	20.1	101	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	21.1	106	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	19.8	99	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	20.0	100	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	20.6	102	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	21.4	107	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	21.7	109	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	20.9	105	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	97.1	97	47-143	
2-Hexanone	ug/L	3.2 U	100	95.0	95	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	105	105	57-132	
Acetone	ug/L	5.3 U	100	84.7	85	46-148	
Acrylonitrile	ug/L	3.7 U	100	116	116	60-143	
Benzene	ug/L	0.30 U	20	22.3	112	70-130	
Bromochloromethane	ug/L	0.37 U	20	21.0	105	70-130	
Bromodichloromethane	ug/L	0.19 U	20	21.6	108	70-130	
Bromoform	ug/L	0.48 U	20	20.1	100	49-126	
Bromomethane	ug/L	8.1 U	20	8.1 U	32	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	18.2	91	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	23.2	116	63-126	
Chlorobenzene	ug/L	0.35 U	20	21.9	109	70-130	
Chloroethane	ug/L	3.7 U	20	19.8	99	71-142	J(v3)

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

MATRIX SPIKE SAMPLE: 4298339

Parameter	Units	35681770004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	21.4	107	70-130	
Chloromethane	ug/L	0.43 U	20	18.7	94	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	21.2	105	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	19.2	96	70-130	
Dibromochloromethane	ug/L	0.45 U	20	21.1	105	62-118	
Dibromomethane	ug/L	0.68 U	20	21.5	108	70-130	
Ethylbenzene	ug/L	0.30 U	20	22.2	111	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	13	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	19.5	97	65-136	
Styrene	ug/L	0.26 U	20	20.8	104	70-130	
Tetrachloroethene	ug/L	0.38 U	20	19.9	100	64-134	
Toluene	ug/L	0.33 U	20	21.1	105	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.8	94	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	20.1	100	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	18.9	94	42-129	
Trichloroethene	ug/L	0.36 U	20	22.3	112	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	24.7	124	65-135	
Vinyl acetate	ug/L	1.8 U	20	13.4	67	60-144	J(v3)
Vinyl chloride	ug/L	0.39 U	20	21.8	109	68-131	
Xylene (Total)	ug/L	2.1 U	60	65.7	109	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				96	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4298338

Parameter	Units	35681770003 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	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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

SAMPLE DUPLICATE: 4298338

Parameter	Units	35681770003 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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(v2)
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 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	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	J(v2)
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	103	105		40	
4-Bromofluorobenzene (S)	%	97	97		40	
Toluene-d8 (S)	%	106	103		40	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

QC Batch: 783211
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

METHOD BLANK: 4294258 Matrix: Water
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	12/07/21 10:56	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	12/07/21 10:56	

LABORATORY CONTROL SAMPLE: 4294259

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	101	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4294260 4294261

Parameter	Units	35681757008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0068 U	0.44	0.44	0.58	0.58	132	133	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.44	0.44	0.56	0.57	128	130	60-140	1	40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

QC Batch: 783189
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

METHOD BLANK: 4293967
Matrix: Water
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	12/06/21 16:14	

LABORATORY CONTROL SAMPLE: 4293968

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	297	99	90-110	

SAMPLE DUPLICATE: 4293969

Parameter	Units	35681770001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	259	270	4	10	

SAMPLE DUPLICATE: 4293970

Parameter	Units	35681138003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	646	668	3	10	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

QC Batch: 785139
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681770001, 35681770002

METHOD BLANK: 4306507
Matrix: Water
Associated Lab Samples: 35681770001, 35681770002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	12/15/21 01:44	

LABORATORY CONTROL SAMPLE: 4306508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.7	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4312834 4312835

Parameter	Units	35681770001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	60.7	50	50	114	114	107	106	90-110	0	20	L

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

QC Batch: 785547
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681770003, 35681770004

METHOD BLANK: 4309069
Matrix: Water
Associated Lab Samples: 35681770003, 35681770004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	12/15/21 20:09	

LABORATORY CONTROL SAMPLE: 4309070

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: 4312948 4312949

Parameter	Units	35681770003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	19.2	50	50	70.8	68.5	103	99	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4312950 4312951

Parameter	Units	50304093001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	32.5	50	50	85.3	85.0	106	105	90-110	0	20	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

QC Batch: 783731
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

METHOD BLANK: 4297557 Matrix: Water
Associated Lab Samples: 35681770001, 35681770002, 35681770003, 35681770004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	12/13/21 11:47	

LABORATORY CONTROL SAMPLE: 4297558

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: 4297560 4297559

Parameter	Units	35680978005 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	0.14	1	1	1.1	1.1	96	93	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4297561 4297562

Parameter	Units	35681770003 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	0.18	1	1	1.1	1.1	92	91	90-110	1	20	

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QUALIFIERS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681770

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.
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.: 35681770

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35681770001	**AD 4MW11D**	EPA 8011	783211	EPA 8011	783308
35681770002	**AD 4MW14D**	EPA 8011	783211	EPA 8011	783308
35681770003	**AD 4MW12D**	EPA 8011	783211	EPA 8011	783308
35681770004	**AD 2MW15DA**	EPA 8011	783211	EPA 8011	783308
35681770001	**AD 4MW11D**	EPA 3010	783273	EPA 6010	783292
35681770002	**AD 4MW14D**	EPA 3010	783273	EPA 6010	783292
35681770003	**AD 4MW12D**	EPA 3010	783273	EPA 6010	783292
35681770004	**AD 2MW15DA**	EPA 3010	783273	EPA 6010	783292
35681770001	**AD 4MW11D**	EPA 3010	783272	EPA 6020	783291
35681770002	**AD 4MW14D**	EPA 3010	783272	EPA 6020	783291
35681770003	**AD 4MW12D**	EPA 3010	783272	EPA 6020	783291
35681770004	**AD 2MW15DA**	EPA 3010	783272	EPA 6020	783291
35681770001	**AD 4MW11D**	EPA 7470	784105	EPA 7470	784204
35681770002	**AD 4MW14D**	EPA 7470	784105	EPA 7470	784204
35681770003	**AD 4MW12D**	EPA 7470	784105	EPA 7470	784204
35681770004	**AD 2MW15DA**	EPA 7470	784105	EPA 7470	784204
35681770001	**AD 4MW11D**	EPA 8260	783856		
35681770002	**AD 4MW14D**	EPA 8260	783856		
35681770003	**AD 4MW12D**	EPA 8260	783856		
35681770004	**AD 2MW15DA**	EPA 8260	783856		
35681770001	**AD 4MW11D**	SM 2540C	783189		
35681770002	**AD 4MW14D**	SM 2540C	783189		
35681770003	**AD 4MW12D**	SM 2540C	783189		
35681770004	**AD 2MW15DA**	SM 2540C	783189		
35681770001	**AD 4MW11D**	EPA 300.0	785139		
35681770002	**AD 4MW14D**	EPA 300.0	785139		
35681770003	**AD 4MW12D**	EPA 300.0	785547		
35681770004	**AD 2MW15DA**	EPA 300.0	785547		
35681770001	**AD 4MW11D**	EPA 350.1	783731		
35681770002	**AD 4MW14D**	EPA 350.1	783731		
35681770003	**AD 4MW12D**	EPA 350.1	783731		
35681770004	**AD 2MW15DA**	EPA 350.1	783731		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT ... must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment ... pacelabs.com/hubfs/pas-standard-terms.pdf

WO# : 35681770

35681770

Page : 1 Of 1

Section A: Required Client Information:

Section B: Required Project Information:

Company:	Pasco County Environmental Laboratory
Address:	8864 Government Drive
	New Port Richey, FL 34654
Email:	
Phone:	(727)847-8902
Fax:	
Requested Due Date:	

Report To:	Ms. Candia E. Mulhern
Copy To:	
Purchase Order #:	
Project Name:	Resource Recovery Landfill
Project #:	
Pace Project Manager:	mike.valder@pacelabs.com;
Pace Profile #:	942 line 1, 7

Regulatory Agency:

State / Location: Florida

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N)	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	Residual Chlorine (Y/N)
1	AD 4mw 11D		G	11-30-21	815	11 30 21	818		8											3	1		2	1	1	
2	AD 4mw 14D		G	11 30 21	928	11 30 21	931		8											3	1		2	1	1	
3	AD 4mw 12D		G	11 30 21	1052	11 30 21	1055		8											3	1		2	1	1	
4	AD 2mw 15DA		G	11 30 21	1352	11 30 21	1355		8											3	1		2	1	1	
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Bottle Kit	[signature] Pace	10/26/21	0845							
	[signature]	11-30-21	15:28	TS	11/30/21	1528	14.6			
	[signature]	12-1-21	1458	[signature] Pace	12/1/21	1458	TOR			
	[signature] Pace	12/1/21	1550	Dawn Sargent pace	12-1-21	1550	0.6	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed:

KMF/Pace 12-1-21 2133

Pace Analytical

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35681770
Project Manager: PM: CLG Due Date: 12/15/21
Client: CLIENT: PASCOU

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

Thermometer Used: T202 Date: 12-1-21 Time: 1550 Initials: DS

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

Cooler #1 Temp.°C	0.3 (Visual)	+0.2 (Correction Factor)	0.6 (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. All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes ☐ No ☐N/A ☐Yes ☐ No ☐N/A	Preservation Information: Preservative:_____ 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):_____

Pace Analytical

Sample Condition Upon Receipt Form (SCUR)

Project #

Project Manager:

Client:

WO# : 35681770
PM: CLG Due Date: 12/15/21
CLIENT: PASCOU

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

Thermometer Used: T Time: 2154 Initials: HW

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

Cooler #1 Temp.°C 1.1 (Visual) +0.0 (Correction Factor) 1.1 (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	No sampler
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: Exceptions: Vials, Microbiology, O&G, PFAS	☑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): ____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 17, 2021

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

RE: Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on December 02, 2021. 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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(386)672-5668

CERTIFICATIONS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

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.: 35681745

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35681745001	**AD 18078 4MW 27D**	Water	12/01/21 16:35	12/02/21 14:40

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SAMPLE ANALYTE COUNT

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35681745001	**AD 18078 4MW 27D**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	MEB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

Sample: AD 18078 4MW 27D **Lab ID: 35681745001** Collected: 12/01/21 16:35 Received: 12/02/21 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 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	12/06/21 20:29	12/07/21 14:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	12/06/21 20:29	12/07/21 14:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/07/21 00:57	12/07/21 13:55	7440-38-2	
Barium	**9.8 I**	ug/L	10.0	0.84	1	12/07/21 00:57	12/07/21 13:55	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/07/21 00:57	12/07/21 13:55	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/07/21 00:57	12/07/21 13:55	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/07/21 00:57	12/07/21 13:55	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/07/21 00:57	12/07/21 13:55	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/07/21 00:57	12/07/21 13:55	7440-50-8	
Iron	**68.7**	ug/L	40.0	25.0	1	12/07/21 00:57	12/07/21 13:55	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/07/21 00:57	12/07/21 13:55	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	12/07/21 00:57	12/07/21 13:55	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/07/21 00:57	12/07/21 13:55	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/07/21 00:57	12/07/21 13:55	7440-22-4	
Sodium	**2.9**	mg/L	2.0	0.54	1	12/07/21 00:57	12/07/21 13:55	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	12/07/21 00:57	12/07/21 13:55	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/07/21 00:57	12/07/21 13:55	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/07/21 00:57	12/07/21 10:37	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/07/21 00:57	12/07/21 10:37	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/09/21 14:35	12/13/21 14:15	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/11/21 22:09	67-64-1	
Acrylonitrile	**0.93 U**	ug/L	20.0	0.93	1		12/11/21 22:09	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/11/21 22:09	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/11/21 22:09	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/11/21 22:09	75-27-4	
Bromoform	**1.0 U**	ug/L	3.0	1.0	1		12/11/21 22:09	75-25-2	
Bromomethane	**2.3 U**	ug/L	10.0	2.3	1		12/11/21 22:09	74-83-9	J(v1)
2-Butanone (MEK)	**3.4 U**	ug/L	50.0	3.4	1		12/11/21 22:09	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/11/21 22:09	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/11/21 22:09	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/11/21 22:09	108-90-7	
Chloroethane	**1.4 U**	ug/L	10.0	1.4	1		12/11/21 22:09	75-00-3	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

Sample: AD 18078 4MW 27D **Lab ID: 35681745001** Collected: 12/01/21 16:35 Received: 12/02/21 14:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/11/21 22:09	67-66-3	
Chloromethane	**0.96 U**	ug/L	1.0	0.96	1		12/11/21 22:09	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/11/21 22:09	124-48-1	
Dibromomethane	**0.24 U**	ug/L	2.0	0.24	1		12/11/21 22:09	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/11/21 22:09	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/11/21 22:09	106-46-7	
trans-1,4-Dichloro-2-butene	**0.53 U**	ug/L	10.0	0.53	1		12/11/21 22:09	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/11/21 22:09	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/11/21 22:09	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/11/21 22:09	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/11/21 22:09	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/11/21 22:09	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/11/21 22:09	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/11/21 22:09	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/11/21 22:09	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/11/21 22:09	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/11/21 22:09	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/11/21 22:09	74-88-4	J(v2)
Methylene Chloride	**1.5 U**	ug/L	5.0	1.5	1		12/11/21 22:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**2.8 U**	ug/L	25.0	2.8	1		12/11/21 22:09	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/11/21 22:09	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/11/21 22:09	630-20-6	
1,1,2,2-Tetrachloroethane	**0.18 U**	ug/L	1.0	0.18	1		12/11/21 22:09	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/11/21 22:09	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/11/21 22:09	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/11/21 22:09	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/11/21 22:09	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/11/21 22:09	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/11/21 22:09	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/11/21 22:09	96-18-4	
Vinyl acetate	**0.84 U**	ug/L	10.0	0.84	1		12/11/21 22:09	108-05-4	J(v1),L3
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/11/21 22:09	75-01-4	J(v1)
Xylene (Total)	**0.63 U**	ug/L	5.0	0.63	1		12/11/21 22:09	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		12/11/21 22:09	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		12/11/21 22:09	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		12/11/21 22:09	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**155**	mg/L	5.0	5.0	1		12/07/21 15:42		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**5.5**	mg/L	5.0	2.5	1		12/15/21 19:07	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

Sample: AD 18078 4MW 27D **Lab ID: 35681745001** Collected: 12/01/21 16:35 Received: 12/02/21 14:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.25**	mg/L	0.050	0.035	1		12/15/21 15:31	7664-41-7	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

QC Batch: 784214
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681745001

METHOD BLANK: 4300689 Matrix: Water
Associated Lab Samples: 35681745001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	12/13/21 13:18	

LABORATORY CONTROL SAMPLE: 4300690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.8	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4300691 4300692

Parameter	Units	35678617001 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	1.7	1.7	85	87	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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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

QC Batch: 783273
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681745001

METHOD BLANK: 4295089
Matrix: Water
Associated Lab Samples: 35681745001

Parameter	Units	Blank Result		Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4	U	10.0	3.4	12/07/21 13:47	
Barium	ug/L	0.84	U	10.0	0.84	12/07/21 13:47	
Beryllium	ug/L	0.17	U	4.0	0.17	12/07/21 13:47	
Cadmium	ug/L	0.33	U	1.0	0.33	12/07/21 13:47	
Chromium	ug/L	1.7	U	5.0	1.7	12/07/21 13:47	
Cobalt	ug/L	0.96	U	10.0	0.96	12/07/21 13:47	
Copper	ug/L	2.6	U	5.0	2.6	12/07/21 13:47	
Iron	ug/L	25.0	U	40.0	25.0	12/07/21 13:47	
Lead	ug/L	4.6	U	10.0	4.6	12/07/21 13:47	
Nickel	ug/L	2.1	U	5.0	2.1	12/07/21 13:47	
Selenium	ug/L	3.9	U	15.0	3.9	12/07/21 13:47	
Silver	ug/L	1.0	U	5.0	1.0	12/07/21 13:47	
Sodium	mg/L	0.54	U	2.0	0.54	12/07/21 13:47	
Vanadium	ug/L	1.0	U	10.0	1.0	12/07/21 13:47	
Zinc	ug/L	11.0	U	20.0	11.0	12/07/21 13:47	

LABORATORY CONTROL SAMPLE: 4295090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	190	95	80-120	
Barium	ug/L	200	201	100	80-120	
Beryllium	ug/L	20	19.3	96	80-120	
Cadmium	ug/L	20	20.1	101	80-120	
Chromium	ug/L	200	200	100	80-120	
Cobalt	ug/L	200	200	100	80-120	
Copper	ug/L	200	193	97	80-120	
Iron	ug/L	2000	1990	100	80-120	
Lead	ug/L	200	201	101	80-120	
Nickel	ug/L	200	200	100	80-120	
Selenium	ug/L	200	196	98	80-120	
Silver	ug/L	20	20.6	103	80-120	
Sodium	mg/L	10	10	100	80-120	
Vanadium	ug/L	200	198	99	80-120	
Zinc	ug/L	1000	998	100	80-120	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4295091 4295092

Parameter	Units	35681971008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	3.4 U	200	200	195	192	97	96	75-125	1	20	
Barium	ug/L	29.3	200	200	226	224	98	97	75-125	1	20	
Beryllium	ug/L	0.17 U	20	20	19.5	19.4	97	97	75-125	1	20	
Cadmium	ug/L	0.33 U	20	20	19.6	19.5	98	97	75-125	0	20	
Chromium	ug/L	1.7 U	200	200	199	198	99	99	75-125	0	20	
Cobalt	ug/L	0.96 U	200	200	198	197	99	98	75-125	1	20	
Copper	ug/L	2.6 U	200	200	199	198	99	99	75-125	1	20	
Iron	ug/L	214	2000	2000	2190	2170	99	98	75-125	1	20	
Lead	ug/L	4.6 U	200	200	196	195	98	97	75-125	1	20	
Nickel	ug/L	2.1 U	200	200	198	197	99	98	75-125	1	20	
Selenium	ug/L	3.9 U	200	200	195	193	98	97	75-125	1	20	
Silver	ug/L	1.0 U	20	20	20.7	20.7	103	102	75-125	0	20	
Sodium	mg/L	63.5	10	10	74.0	72.9	105	94	75-125	2	20	
Vanadium	ug/L	1.2 I	200	200	199	198	99	99	75-125	1	20	
Zinc	ug/L	11.0 U	1000	1000	986	978	98	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

QC Batch: 783272
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681745001

METHOD BLANK: 4295085 Matrix: Water
Associated Lab Samples: 35681745001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	12/07/21 10:34	
Thallium	ug/L	0.11 U	1.0	0.11	12/07/21 10:34	

LABORATORY CONTROL SAMPLE: 4295086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.0	96	80-120	
Thallium	ug/L	50	48.1	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4295087 4295088

Parameter	Units	35681770001 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	48.6	48.8	97	98	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	46.7	46.8	93	94	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.: 35681745

QC Batch: 784542
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681745001

METHOD BLANK: 4302747
Matrix: Water
Associated Lab Samples: 35681745001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	12/11/21 12:22	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	12/11/21 12:22	
1,1,2,2-Tetrachloroethane	ug/L	0.18 U	1.0	0.18	12/11/21 12:22	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	12/11/21 12:22	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	12/11/21 12:22	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	12/11/21 12:22	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	12/11/21 12:22	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	12/11/21 12:22	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	12/11/21 12:22	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	12/11/21 12:22	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	12/11/21 12:22	
2-Butanone (MEK)	ug/L	3.4 U	50.0	3.4	12/11/21 12:22	
2-Hexanone	ug/L	3.2 U	25.0	3.2	12/11/21 12:22	
4-Methyl-2-pentanone (MIBK)	ug/L	2.8 U	25.0	2.8	12/11/21 12:22	
Acetone	ug/L	5.3 U	25.0	5.3	12/11/21 12:22	
Acrylonitrile	ug/L	0.93 U	20.0	0.93	12/11/21 12:22	
Benzene	ug/L	0.30 U	1.0	0.30	12/11/21 12:22	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	12/11/21 12:22	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	12/11/21 12:22	
Bromoform	ug/L	1.0 U	3.0	1.0	12/11/21 12:22	
Bromomethane	ug/L	2.3 U	10.0	2.3	12/11/21 12:22	J(v1)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	12/11/21 12:22	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	12/11/21 12:22	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	12/11/21 12:22	
Chloroethane	ug/L	1.4 U	10.0	1.4	12/11/21 12:22	
Chloroform	ug/L	0.32 U	1.0	0.32	12/11/21 12:22	
Chloromethane	ug/L	0.96 U	1.0	0.96	12/11/21 12:22	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	12/11/21 12:22	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	12/11/21 12:22	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	12/11/21 12:22	
Dibromomethane	ug/L	0.24 U	2.0	0.24	12/11/21 12:22	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	12/11/21 12:22	
Iodomethane	ug/L	9.3 U	10.0	9.3	12/11/21 12:22	J(v2)
Methylene Chloride	ug/L	1.5 U	5.0	1.5	12/11/21 12:22	
Styrene	ug/L	0.26 U	1.0	0.26	12/11/21 12:22	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	12/11/21 12:22	
Toluene	ug/L	0.33 U	1.0	0.33	12/11/21 12:22	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	12/11/21 12:22	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	12/11/21 12:22	
trans-1,4-Dichloro-2-butene	ug/L	0.53 U	10.0	0.53	12/11/21 12:22	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

METHOD BLANK: 4302747 Matrix: Water
Associated Lab Samples: 35681745001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	12/11/21 12:22	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	12/11/21 12:22	
Vinyl acetate	ug/L	0.84 U	10.0	0.84	12/11/21 12:22	J(v1)
Vinyl chloride	ug/L	0.39 U	1.0	0.39	12/11/21 12:22	J(v1)
Xylene (Total)	ug/L	0.63 U	5.0	0.63	12/11/21 12:22	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		12/11/21 12:22	
4-Bromofluorobenzene (S)	%	101	70-130		12/11/21 12:22	
Toluene-d8 (S)	%	101	70-130		12/11/21 12:22	

LABORATORY CONTROL SAMPLE: 4302748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.3	112	70-130	
1,1,1-Trichloroethane	ug/L	20	23.7	119	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.2	106	68-125	
1,1,2-Trichloroethane	ug/L	20	22.1	111	70-130	
1,1-Dichloroethane	ug/L	20	21.5	107	70-130	
1,1-Dichloroethene	ug/L	20	21.5	108	66-133	
1,2,3-Trichloropropane	ug/L	20	21.6	108	62-127	
1,2-Dichlorobenzene	ug/L	20	21.7	109	70-130	
1,2-Dichloroethane	ug/L	20	20.9	105	70-130	
1,2-Dichloropropane	ug/L	20	21.8	109	70-130	
1,4-Dichlorobenzene	ug/L	20	21.8	109	70-130	
2-Butanone (MEK)	ug/L	100	107	107	47-143	
2-Hexanone	ug/L	100	104	104	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.5	99	57-132	
Acetone	ug/L	100	105	105	46-148	
Acrylonitrile	ug/L	100	102	102	60-143	
Benzene	ug/L	20	22.3	111	70-130	
Bromochloromethane	ug/L	20	21.7	109	70-130	
Bromodichloromethane	ug/L	20	20.5	102	70-130	
Bromoform	ug/L	20	20.9	104	49-126	
Bromomethane	ug/L	20	30.0	150	10-165	J(v1)
Carbon disulfide	ug/L	20	19.2	96	60-141	
Carbon tetrachloride	ug/L	20	23.4	117	63-126	
Chlorobenzene	ug/L	20	22.1	111	70-130	
Chloroethane	ug/L	20	21.6	108	71-142	
Chloroform	ug/L	20	20.6	103	70-130	
Chloromethane	ug/L	20	21.1	106	40-140	
cis-1,2-Dichloroethene	ug/L	20	21.7	109	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.5	107	70-130	
Dibromochloromethane	ug/L	20	21.1	106	62-118	
Dibromomethane	ug/L	20	21.2	106	70-130	
Ethylbenzene	ug/L	20	22.9	115	70-130	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

LABORATORY CONTROL SAMPLE: 4302748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	14.3	72	10-164	J(v3)
Methylene Chloride	ug/L	20	19.8	99	65-136	
Styrene	ug/L	20	23.1	115	70-130	
Tetrachloroethene	ug/L	20	22.1	110	64-134	
Toluene	ug/L	20	21.8	109	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.8	109	68-127	
trans-1,3-Dichloropropene	ug/L	20	22.4	112	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	22.5	113	42-129	
Trichloroethene	ug/L	20	22.5	112	70-130	
Trichlorofluoromethane	ug/L	20	25.5	128	65-135	
Vinyl acetate	ug/L	20	31.2	156	60-144	J(L1),J(v1)
Vinyl chloride	ug/L	20	24.5	123	68-131	J(v1)
Xylene (Total)	ug/L	60	69.3	116	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 4302750

Parameter	Units	35682922002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	22.3	112	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	26.5	132	70-130	J(M1)
1,1,2,2-Tetrachloroethane	ug/L	0.18 U	20	21.4	107	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	21.7	108	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	23.3	116	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	25.3	127	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	21.4	107	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	22.2	111	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	22.5	112	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	23.1	115	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	22.0	110	70-130	
2-Butanone (MEK)	ug/L	3.4 U	100	101	101	47-143	
2-Hexanone	ug/L	3.2 U	100	100	100	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	2.8 U	100	99.4	99	57-132	
Acetone	ug/L	19.7 I	100	123	103	46-148	
Acrylonitrile	ug/L	0.93 U	100	102	102	60-143	
Benzene	ug/L	0.30 U	20	23.9	119	70-130	
Bromochloromethane	ug/L	0.37 U	20	22.2	111	70-130	
Bromodichloromethane	ug/L	0.19 U	20	21.4	107	70-130	
Bromoform	ug/L	1.0 U	20	19.6	98	49-126	
Bromomethane	ug/L	2.3 U	20	21.8	109	10-165	J(v1)
Carbon disulfide	ug/L	1.8 U	20	22.2	110	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	25.9	130	63-126	J(M1)
Chlorobenzene	ug/L	0.35 U	20	22.7	113	70-130	
Chloroethane	ug/L	1.4 U	20	23.9	119	71-142	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

MATRIX SPIKE SAMPLE: 4302750

Parameter	Units	35682922002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	22.1	111	70-130	
Chloromethane	ug/L	0.96 U	20	23.8	119	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	23.7	118	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	21.5	107	70-130	
Dibromochloromethane	ug/L	0.45 U	20	20.2	101	62-118	
Dibromomethane	ug/L	0.24 U	20	21.9	109	70-130	
Ethylbenzene	ug/L	0.48 I	20	23.9	117	70-130	
Iodomethane	ug/L	9.3 U	20	12.1	61	10-164	J(v3)
Methylene Chloride	ug/L	1.5 U	20	20.9	104	65-136	
Styrene	ug/L	0.26 U	20	23.3	116	70-130	
Tetrachloroethene	ug/L	0.38 U	20	23.2	115	64-134	
Toluene	ug/L	0.33 U	20	23.4	116	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	24.2	121	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	21.1	106	65-121	
trans-1,4-Dichloro-2-butene	ug/L	0.53 U	20	16.9	84	42-129	
Trichloroethene	ug/L	0.36 U	20	24.3	122	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	29.9	150	65-135	J(M1)
Vinyl acetate	ug/L	0.84 U	20	29.5	147	60-144	J(M0),J(v1)
Vinyl chloride	ug/L	0.39 U	20	27.3	136	68-131	J(M1),J(v1)
Xylene (Total)	ug/L	0.63 U	60	71.6	119	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 4302749

Parameter	Units	35682922001 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	0.18 U	0.18 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	3.4 U	3.4 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	2.8 U	2.8 U		40	
Acetone	ug/L	20.7 I	24.4 I		40	
Acrylonitrile	ug/L	0.93 U	0.93 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.: 35681745

SAMPLE DUPLICATE: 4302749

Parameter	Units	35682922001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	1.0 U	1.0 U		40	
Bromomethane	ug/L	2.3 U	2.3 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	1.4 U	1.4 U		40	
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.96 U	0.96 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.24 U	0.24 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	1.5 U	1.5 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	
trans-1,4-Dichloro-2-butene	ug/L	0.53 U	0.53 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	0.84 U	0.84 U		40	J(v1)
Vinyl chloride	ug/L	0.39 U	0.39 U		40	J(v1)
Xylene (Total)	ug/L	0.63 U	0.63 U		40	
1,2-Dichlorobenzene-d4 (S)	%	100	100		40	
4-Bromofluorobenzene (S)	%	101	99		40	
Toluene-d8 (S)	%	101	100		40	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

QC Batch: 783211
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681745001

METHOD BLANK: 4294258 Matrix: Water
Associated Lab Samples: 35681745001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	12/07/21 10:56	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	12/07/21 10:56	

LABORATORY CONTROL SAMPLE: 4294259

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	101	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4294260 4294261

Parameter	Units	35681757008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0068 U	0.44	0.44	0.58	0.58	132	133	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.44	0.44	0.56	0.57	128	130	60-140	1	40	

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Ormond Beach, FL 32174
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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

QC Batch: 783451
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681745001

METHOD BLANK: 4295842
Matrix: Water
Associated Lab Samples: 35681745001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	12/07/21 15:42	

LABORATORY CONTROL SAMPLE: 4295843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	303	101	90-110	

SAMPLE DUPLICATE: 4295844

Parameter	Units	35681180003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	445	465	4	10	

SAMPLE DUPLICATE: 4295845

Parameter	Units	35681223005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	886	904	2	10	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

QC Batch: 785550
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681745001

METHOD BLANK: 4309075 Matrix: Water
Associated Lab Samples: 35681745001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	12/15/21 15:03	

LABORATORY CONTROL SAMPLE: 4309076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4312931 4312932

Parameter	Units	35681745001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.5	50	50	52.4	52.4	94	94	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

QC Batch: 785675
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681745001

METHOD BLANK: 4309760 Matrix: Water
Associated Lab Samples: 35681745001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	12/15/21 14:59	

LABORATORY CONTROL SAMPLE: 4309761

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: 4309763 4309762

Parameter	Units	35681046002 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	24.4	5	5	29.1	29.0	95	93	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4309764 4309765

Parameter	Units	35681417002 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	195	50	50	245	245	100	100	90-110	0	20	

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(386)672-5668

QUALIFIERS

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

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(L1)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
J(M0)	Estimated Value. Matrix spike recovery was outside 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.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: RESOURCE RECOVERY LANDFILL
Pace Project No.: 35681745

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35681745001	**AD 18078 4MW 27D**	EPA 8011	783211	EPA 8011	783308
35681745001	**AD 18078 4MW 27D**	EPA 3010	783273	EPA 6010	783292
35681745001	**AD 18078 4MW 27D**	EPA 3010	783272	EPA 6020	783291
35681745001	**AD 18078 4MW 27D**	EPA 7470	784214	EPA 7470	784272
35681745001	**AD 18078 4MW 27D**	EPA 8260	784542		
35681745001	**AD 18078 4MW 27D**	SM 2540C	783451		
35681745001	**AD 18078 4MW 27D**	EPA 300.0	785550		
35681745001	**AD 18078 4MW 27D**	EPA 350.1	785675		

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Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Page : 1 Of 1

WO# : 35681745

35681745

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	
Address:	8864 Government Drive	Copy To:		
New Port Richey, FL 34654				
Email:		Purchase Order #:		
Phone:	(727)847-8902 Fax:	Project Name:	Resource Recovery Landf	
Requested Due Date:		Project #:		

Regulatory Agency

State / Location: Florida

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	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	Residual Chlorine (Y/N)
1	AD18078 4MW27D		G	12-1-21	16:32	12-1-21	16:35		8											3	1		2	1	1	
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Bottle Kit	[signature] Pace	10/26/21	0845							
	[signature]	12-1-21	1704	KS	12/1/21	1704				
	[signature]	12/2/21	1347	[signature] Pace	12/2/21	1347	T202			
	[signature] Pace	12/2/21	1440	Dawn Sargent Pace	12-2-21	1440	1.3	Y	N	Y

SAMPLER NAME AND SIGNATURE	SAMPLER NAME AND SIGNATURE	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	PRINT Name of SAMPLER:				
SIGNATURE of SAMPLER:	SIGNATURE of SAMPLER: DATE Signed:				

KMF/Pace 12/2/21 2145 2.6 y N y

Pace Analytical®

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35681745
PM: CLG Due Date: 12/16/21
CLIENT: PASCOU

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

Thermometer Used: T202 Date: 12-2-21 Time: 1440 Initials: DS

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

Cooler #1 Temp.°C 1.1 **(Visual)** +0.2 **(Correction Factor)** 1.3 **(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. All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes ☐ No ☐N/A ☐Yes ☐ No ☐N/A	Preservation Information: Preservative:____ 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):____

Project #
Project Manager:
Client:

WO#: 35681745
PM: CLG Due Date: 12/16/21
CLIENT: PASCOU

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

Thermometer Used: T-393 Date: 12/14/21 Time: 2223 Initials: HW

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

Cooler #1 Temp.°C 2.6 (Visual) 90.0 (Correction Factor) 2.6 (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: ____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes ☐ No ☐N/A	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): ____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 20, 2021

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

RE: Project: Resource Recovery Landfill
Pace Project No.: 35681463

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on December 03, 2021. 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

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Ormond Beach, FL 32174
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CERTIFICATIONS

Project:	Resource Recovery Landfill
Pace Project No.:	35681463

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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Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35681463001	**AD 18138 2MW 24D**	Water	12/02/21 08:39	12/03/21 13:10
35681463002	**AD 18139 2MW 25D**	Water	12/02/21 09:26	12/03/21 13:10
35681463003	**AD 18142 2MW 26D**	Water	12/02/21 11:00	12/03/21 13:10
35681463004	**AD 18145 4MW 23**	Water	12/02/21 13:27	12/03/21 13:10

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35681463001	**AD 18138 2MW 24D**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35681463002	**AD 18139 2MW 25D**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	AGS	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35681463003	**AD 18142 2MW 26D**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	DDM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
35681463004	**AD 18145 4MW 23**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	DDM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18138 2MW 24D **Lab ID: 35681463001** Collected: 12/02/21 08:39 Received: 12/03/21 13:10 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	12/06/21 20:29	12/07/21 15:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	12/06/21 20:29	12/07/21 15:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/06/21 09:16	12/10/21 13:01	7440-38-2	
Barium	**16.9**	ug/L	10.0	0.84	1	12/06/21 09:16	12/10/21 13:01	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/06/21 09:16	12/10/21 13:01	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/06/21 09:16	12/10/21 13:01	7440-43-9	
Chromium	**2.4 I**	ug/L	5.0	1.7	1	12/06/21 09:16	12/10/21 13:01	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/06/21 09:16	12/10/21 13:01	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/06/21 09:16	12/10/21 13:01	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	12/06/21 09:16	12/10/21 13:01	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/06/21 09:16	12/10/21 13:01	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	12/06/21 09:16	12/10/21 13:01	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/06/21 09:16	12/10/21 13:01	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/06/21 09:16	12/10/21 13:01	7440-22-4	
Sodium	**20.6**	mg/L	2.0	0.54	1	12/06/21 09:16	12/10/21 13:01	7440-23-5	
Vanadium	**1.2 I**	ug/L	10.0	1.0	1	12/06/21 09:16	12/10/21 13:01	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/06/21 09:16	12/10/21 13:01	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/06/21 09:16	12/07/21 10:14	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/06/21 09:16	12/07/21 10:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/13/21 10:23	12/14/21 11:03	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/08/21 05:46	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/08/21 05:46	107-13-1	J(v1)
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 05:46	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 05:46	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/08/21 05:46	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/08/21 05:46	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/08/21 05:46	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/08/21 05:46	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 05:46	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/08/21 05:46	56-23-5	J(v2)
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 05:46	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/08/21 05:46	75-00-3	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18138 2MW 24D **Lab ID: 35681463001** Collected: 12/02/21 08:39 Received: 12/03/21 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 05:46	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/08/21 05:46	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/08/21 05:46	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/08/21 05:46	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/08/21 05:46	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/08/21 05:46	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/08/21 05:46	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/08/21 05:46	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 05:46	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 05:46	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 05:46	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 05:46	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 05:46	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/08/21 05:46	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 05:46	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 05:46	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/08/21 05:46	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/08/21 05:46	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/08/21 05:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/08/21 05:46	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/08/21 05:46	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 05:46	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 05:46	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/08/21 05:46	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/08/21 05:46	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 05:46	71-55-6	J(v2)
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 05:46	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/08/21 05:46	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 05:46	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/08/21 05:46	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 05:46	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/08/21 05:46	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/08/21 05:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		12/08/21 05:46	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		12/08/21 05:46	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/08/21 05:46	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**314**	mg/L	5.0	5.0	1		12/08/21 13:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**42.9**	mg/L	5.0	2.5	1		12/17/21 04:24	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18138 2MW 24D **Lab ID: 35681463001** Collected: 12/02/21 08:39 Received: 12/03/21 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		12/15/21 18:14	7664-41-7	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18139 2MW 25D **Lab ID: 35681463002** Collected: 12/02/21 09:26 Received: 12/03/21 13:10 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 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0069 U**	ug/L	0.021	0.0069	1	12/06/21 20:29	12/07/21 16:24	96-12-8	
1,2-Dibromoethane (EDB)	**0.0080 U**	ug/L	0.011	0.0080	1	12/06/21 20:29	12/07/21 16:24	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/06/21 09:16	12/10/21 13:05	7440-38-2	
Barium	**23.5**	ug/L	10.0	0.84	1	12/06/21 09:16	12/10/21 13:05	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/06/21 09:16	12/10/21 13:05	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/06/21 09:16	12/10/21 13:05	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/06/21 09:16	12/10/21 13:05	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/06/21 09:16	12/10/21 13:05	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/06/21 09:16	12/10/21 13:05	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	12/06/21 09:16	12/10/21 13:05	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/06/21 09:16	12/10/21 13:05	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	12/06/21 09:16	12/10/21 13:05	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/06/21 09:16	12/10/21 13:05	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/06/21 09:16	12/10/21 13:05	7440-22-4	
Sodium	**34.6**	mg/L	2.0	0.54	1	12/06/21 09:16	12/10/21 13:05	7440-23-5	
Vanadium	**1.2 I**	ug/L	10.0	1.0	1	12/06/21 09:16	12/10/21 13:05	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/06/21 09:16	12/10/21 13:05	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/06/21 09:16	12/07/21 10:16	7440-36-0	
Thallium	**0.12 I**	ug/L	1.0	0.11	1	12/06/21 09:16	12/07/21 10:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/13/21 10:23	12/14/21 11:05	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/08/21 06:10	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/08/21 06:10	107-13-1	J(v1)
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:10	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 06:10	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/08/21 06:10	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/08/21 06:10	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/08/21 06:10	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/08/21 06:10	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 06:10	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/08/21 06:10	56-23-5	J(v2)
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 06:10	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/08/21 06:10	75-00-3	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18139 2MW 25D **Lab ID: 35681463002** Collected: 12/02/21 09:26 Received: 12/03/21 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 06:10	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/08/21 06:10	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/08/21 06:10	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/08/21 06:10	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/08/21 06:10	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/08/21 06:10	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/08/21 06:10	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/08/21 06:10	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 06:10	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 06:10	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 06:10	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 06:10	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 06:10	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/08/21 06:10	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 06:10	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:10	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/08/21 06:10	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/08/21 06:10	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/08/21 06:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/08/21 06:10	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/08/21 06:10	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 06:10	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 06:10	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/08/21 06:10	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/08/21 06:10	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:10	71-55-6	J(v2)
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:10	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/08/21 06:10	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 06:10	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/08/21 06:10	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 06:10	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/08/21 06:10	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/08/21 06:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		12/08/21 06:10	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		12/08/21 06:10	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/08/21 06:10	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**415**	mg/L	5.0	5.0	1		12/08/21 20:53		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**69.8**	mg/L	5.0	2.5	1		12/17/21 04:45	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18139 2MW 25D **Lab ID: 35681463002** Collected: 12/02/21 09:26 Received: 12/03/21 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		12/15/21 18:16	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18142 2MW 26D **Lab ID: 35681463003** Collected: 12/02/21 11:00 Received: 12/03/21 13:10 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0069 U**	ug/L	0.022	0.0069	1	12/06/21 20:29	12/07/21 16:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0081 U**	ug/L	0.011	0.0081	1	12/06/21 20:29	12/07/21 16:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/06/21 09:16	12/10/21 13:08	7440-38-2	
Barium	**17.5**	ug/L	10.0	0.84	1	12/06/21 09:16	12/10/21 13:08	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/06/21 09:16	12/10/21 13:08	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/06/21 09:16	12/10/21 13:08	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/06/21 09:16	12/10/21 13:08	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/06/21 09:16	12/10/21 13:08	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/06/21 09:16	12/10/21 13:08	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	12/06/21 09:16	12/10/21 13:08	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/06/21 09:16	12/10/21 13:08	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	12/06/21 09:16	12/10/21 13:08	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/06/21 09:16	12/10/21 13:08	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/06/21 09:16	12/10/21 13:08	7440-22-4	
Sodium	**26.9**	mg/L	2.0	0.54	1	12/06/21 09:16	12/10/21 13:08	7440-23-5	
Vanadium	**1.3 I**	ug/L	10.0	1.0	1	12/06/21 09:16	12/10/21 13:08	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/06/21 09:16	12/10/21 13:08	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/06/21 09:16	12/07/21 10:17	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/06/21 09:16	12/07/21 10:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/13/21 10:23	12/14/21 11:08	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/08/21 06:34	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/08/21 06:34	107-13-1	J(v1)
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:34	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 06:34	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/08/21 06:34	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/08/21 06:34	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/08/21 06:34	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/08/21 06:34	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 06:34	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/08/21 06:34	56-23-5	J(v2)
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 06:34	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/08/21 06:34	75-00-3	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18142 2MW 26D **Lab ID: 35681463003** Collected: 12/02/21 11:00 Received: 12/03/21 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 06:34	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/08/21 06:34	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/08/21 06:34	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/08/21 06:34	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/08/21 06:34	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/08/21 06:34	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/08/21 06:34	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/08/21 06:34	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 06:34	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 06:34	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 06:34	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 06:34	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 06:34	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/08/21 06:34	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 06:34	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:34	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/08/21 06:34	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/08/21 06:34	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/08/21 06:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/08/21 06:34	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/08/21 06:34	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 06:34	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 06:34	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/08/21 06:34	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/08/21 06:34	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:34	71-55-6	J(v2)
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:34	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/08/21 06:34	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 06:34	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/08/21 06:34	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 06:34	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/08/21 06:34	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/08/21 06:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		12/08/21 06:34	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		12/08/21 06:34	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/08/21 06:34	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**310**	mg/L	5.0	5.0	1		12/09/21 03:39		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**51.2**	mg/L	5.0	2.5	1		12/17/21 05:07	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18142 2MW 26D **Lab ID: 35681463003** Collected: 12/02/21 11:00 Received: 12/03/21 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		12/15/21 18:21	7664-41-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18145 4MW 23 **Lab ID: 35681463004** Collected: 12/02/21 13:27 Received: 12/03/21 13:10 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								
	Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	12/06/21 20:29	12/07/21 16:53	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	12/06/21 20:29	12/07/21 16:53	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/06/21 09:16	12/10/21 13:11	7440-38-2	
Barium	**9.7 I**	ug/L	10.0	0.84	1	12/06/21 09:16	12/10/21 13:11	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/06/21 09:16	12/10/21 13:11	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/06/21 09:16	12/10/21 13:11	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/06/21 09:16	12/10/21 13:11	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/06/21 09:16	12/10/21 13:11	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/06/21 09:16	12/10/21 13:11	7440-50-8	
Iron	**482**	ug/L	40.0	25.0	1	12/06/21 09:16	12/10/21 13:11	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/06/21 09:16	12/10/21 13:11	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	12/06/21 09:16	12/10/21 13:11	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/06/21 09:16	12/10/21 13:11	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/06/21 09:16	12/10/21 13:11	7440-22-4	
Sodium	**26.9**	mg/L	2.0	0.54	1	12/06/21 09:16	12/10/21 13:11	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	12/06/21 09:16	12/10/21 13:11	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/06/21 09:16	12/10/21 13:11	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/06/21 09:16	12/07/21 10:19	7440-36-0	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	12/06/21 09:16	12/07/21 10:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/13/21 10:23	12/14/21 11:10	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/08/21 06:58	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/08/21 06:58	107-13-1	J(v1)
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:58	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 06:58	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/08/21 06:58	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/08/21 06:58	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/08/21 06:58	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/08/21 06:58	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 06:58	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/08/21 06:58	56-23-5	J(v2)
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 06:58	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/08/21 06:58	75-00-3	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18145 4MW 23 **Lab ID: 35681463004** Collected: 12/02/21 13:27 Received: 12/03/21 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 06:58	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/08/21 06:58	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/08/21 06:58	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/08/21 06:58	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/08/21 06:58	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/08/21 06:58	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/08/21 06:58	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/08/21 06:58	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 06:58	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 06:58	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/08/21 06:58	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 06:58	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/08/21 06:58	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/08/21 06:58	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/08/21 06:58	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:58	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/08/21 06:58	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/08/21 06:58	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/08/21 06:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/08/21 06:58	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/08/21 06:58	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/08/21 06:58	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/08/21 06:58	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/08/21 06:58	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/08/21 06:58	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:58	71-55-6	J(v2)
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/08/21 06:58	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/08/21 06:58	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/08/21 06:58	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/08/21 06:58	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/08/21 06:58	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/08/21 06:58	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/08/21 06:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		12/08/21 06:58	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		12/08/21 06:58	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/08/21 06:58	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**354**	mg/L	5.0	5.0	1		12/09/21 05:53		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**61.4**	mg/L	5.0	2.5	1		12/17/21 05:29	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Sample: AD 18145 4MW 23 **Lab ID: 35681463004** Collected: 12/02/21 13:27 Received: 12/03/21 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.10**	mg/L	0.050	0.035	1		12/15/21 18:22	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

QC Batch: 784893
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

METHOD BLANK: 4304752 Matrix: Water
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	12/14/21 10:31	

LABORATORY CONTROL SAMPLE: 4304753

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.8	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4304754 4304755

Parameter	Units	35681429001 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	1.9	2.0	96	98	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

QC Batch: 783014
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

METHOD BLANK: 4293015
Matrix: Water
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

Parameter	Units	Blank Result		Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4	U	10.0	3.4	12/13/21 16:18	
Barium	ug/L	0.84	U	10.0	0.84	12/13/21 16:18	
Beryllium	ug/L	0.17	U	4.0	0.17	12/13/21 16:18	
Cadmium	ug/L	0.33	U	1.0	0.33	12/13/21 16:18	
Chromium	ug/L	1.7	U	5.0	1.7	12/13/21 16:18	
Cobalt	ug/L	0.96	U	10.0	0.96	12/13/21 16:18	
Copper	ug/L	2.6	U	5.0	2.6	12/13/21 16:18	
Iron	ug/L	25.0	U	40.0	25.0	12/13/21 16:18	
Lead	ug/L	4.6	U	10.0	4.6	12/13/21 16:18	
Nickel	ug/L	2.1	U	5.0	2.1	12/13/21 16:18	
Selenium	ug/L	3.9	U	15.0	3.9	12/10/21 11:24	
Silver	ug/L	1.0	U	5.0	1.0	12/13/21 16:18	
Sodium	mg/L	0.54	U	2.0	0.54	12/13/21 16:18	
Vanadium	ug/L	1.0	U	10.0	1.0	12/13/21 16:18	
Zinc	ug/L	11.0	U	20.0	11.0	12/13/21 16:18	

LABORATORY CONTROL SAMPLE: 4293016

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	195	98	80-120	
Barium	ug/L	200	205	102	80-120	
Beryllium	ug/L	20	20.4	102	80-120	
Cadmium	ug/L	20	20.9	104	80-120	
Chromium	ug/L	200	211	106	80-120	
Cobalt	ug/L	200	206	103	80-120	
Copper	ug/L	200	193	97	80-120	
Iron	ug/L	2000	2080	104	80-120	
Lead	ug/L	200	209	105	80-120	
Nickel	ug/L	200	209	105	80-120	
Selenium	ug/L	200	197	99	80-120	
Silver	ug/L	20	20.7	103	80-120	
Sodium	mg/L	10	10.0	100	80-120	
Vanadium	ug/L	200	205	102	80-120	
Zinc	ug/L	1000	1060	106	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4293017 4293018

Parameter	Units	35681574004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<3.4	200	200	197	197	98	98	75-125	0	20	
Barium	ug/L	<0.84	200	200	207	207	103	103	75-125	0	20	
Beryllium	ug/L	<0.17	20	20	20.7	20.6	104	103	75-125	1	20	
Cadmium	ug/L	<0.33	20	20	21.1	21.1	106	105	75-125	0	20	
Chromium	ug/L	<1.7	200	200	214	213	106	106	75-125	0	20	
Cobalt	ug/L	<0.96	200	200	209	208	104	104	75-125	1	20	
Copper	ug/L	<2.6	200	200	197	197	98	99	75-125	0	20	
Iron	ug/L	<25.0	2000	2000	2080	2060	104	103	75-125	1	20	
Lead	ug/L	<4.6	200	200	212	212	106	106	75-125	0	20	
Nickel	ug/L	<2.1	200	200	212	212	106	106	75-125	0	20	
Selenium	ug/L	<3.9	200	200	199	197	99	98	75-125	1	20	
Silver	ug/L	<1.0	20	20	21.6	21.5	107	107	75-125	0	20	
Sodium	mg/L	<0.54	10	10	10.2	10.1	101	101	75-125	1	20	
Vanadium	ug/L	<1.0	200	200	207	208	104	104	75-125	0	20	
Zinc	ug/L	<11.0	1000	1000	1060	1060	106	106	75-125	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

QC Batch: 783012
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

METHOD BLANK: 4293006
Matrix: Water
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	12/07/21 09:37	
Thallium	ug/L	0.11 U	1.0	0.11	12/07/21 09:37	

LABORATORY CONTROL SAMPLE: 4293007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.7	99	80-120	
Thallium	ug/L	50	47.7	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4293008 4293009

Parameter	Units	35680460005 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	49.4	49.3	99	98	75-125	0	20	
Thallium	ug/L	0.11 U	50	50	47.0	47.6	94	95	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.: 35681463

QC Batch: 783618
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

METHOD BLANK: 4297155
Matrix: Water
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	12/08/21 00:36	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	12/08/21 00:36	J(v2)
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	12/08/21 00:36	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	12/08/21 00:36	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	12/08/21 00:36	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	12/08/21 00:36	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	12/08/21 00:36	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	12/08/21 00:36	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	12/08/21 00:36	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	12/08/21 00:36	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	12/08/21 00:36	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	12/08/21 00:36	
2-Hexanone	ug/L	3.2 U	25.0	3.2	12/08/21 00:36	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	12/08/21 00:36	
Acetone	ug/L	6.6 I	25.0	5.3	12/08/21 00:36	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	12/08/21 00:36	J(v1)
Benzene	ug/L	0.30 U	1.0	0.30	12/08/21 00:36	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	12/08/21 00:36	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	12/08/21 00:36	
Bromoform	ug/L	0.48 U	3.0	0.48	12/08/21 00:36	J(v2)
Bromomethane	ug/L	8.1 U	10.0	8.1	12/08/21 00:36	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	12/08/21 00:36	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	12/08/21 00:36	J(v2)
Chlorobenzene	ug/L	0.35 U	1.0	0.35	12/08/21 00:36	
Chloroethane	ug/L	3.7 U	10.0	3.7	12/08/21 00:36	
Chloroform	ug/L	0.32 U	1.0	0.32	12/08/21 00:36	
Chloromethane	ug/L	0.43 U	1.0	0.43	12/08/21 00:36	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	12/08/21 00:36	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	12/08/21 00:36	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	12/08/21 00:36	
Dibromomethane	ug/L	0.68 U	2.0	0.68	12/08/21 00:36	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	12/08/21 00:36	
Iodomethane	ug/L	9.3 U	10.0	9.3	12/08/21 00:36	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	12/08/21 00:36	
Styrene	ug/L	0.26 U	1.0	0.26	12/08/21 00:36	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	12/08/21 00:36	
Toluene	ug/L	0.33 U	1.0	0.33	12/08/21 00:36	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	12/08/21 00:36	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	12/08/21 00:36	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	12/08/21 00:36	J(v2)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

METHOD BLANK: 4297155 Matrix: Water
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	12/08/21 00:36	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	12/08/21 00:36	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	12/08/21 00:36	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	12/08/21 00:36	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	12/08/21 00:36	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		12/08/21 00:36	
4-Bromofluorobenzene (S)	%	98	70-130		12/08/21 00:36	
Toluene-d8 (S)	%	98	70-130		12/08/21 00:36	

LABORATORY CONTROL SAMPLE: 4297156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.2	86	70-130	
1,1,1-Trichloroethane	ug/L	20	16.0	80	70-130	J(v3)
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	98	68-125	
1,1,2-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethane	ug/L	20	18.5	93	70-130	
1,1-Dichloroethene	ug/L	20	18.1	90	66-133	
1,2,3-Trichloropropane	ug/L	20	19.4	97	62-127	
1,2-Dichlorobenzene	ug/L	20	18.8	94	70-130	
1,2-Dichloroethane	ug/L	20	17.4	87	70-130	
1,2-Dichloropropane	ug/L	20	18.8	94	70-130	
1,4-Dichlorobenzene	ug/L	20	19.1	96	70-130	
2-Butanone (MEK)	ug/L	100	113	113	47-143	
2-Hexanone	ug/L	100	109	109	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	57-132	
Acetone	ug/L	100	119	119	46-148	
Acrylonitrile	ug/L	100	123	123	60-143	J(v1)
Benzene	ug/L	20	18.4	92	70-130	
Bromochloromethane	ug/L	20	18.1	91	70-130	
Bromodichloromethane	ug/L	20	16.5	83	70-130	
Bromoform	ug/L	20	15.3	77	49-126	J(v3)
Bromomethane	ug/L	20	19.0	95	10-165	
Carbon disulfide	ug/L	20	16.1	81	60-141	
Carbon tetrachloride	ug/L	20	15.2	76	63-126	J(v3)
Chlorobenzene	ug/L	20	19.2	96	70-130	
Chloroethane	ug/L	20	16.5	82	71-142	
Chloroform	ug/L	20	17.6	88	70-130	
Chloromethane	ug/L	20	17.9	90	40-140	
cis-1,2-Dichloroethene	ug/L	20	17.6	88	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.1	86	70-130	
Dibromochloromethane	ug/L	20	16.7	83	62-118	
Dibromomethane	ug/L	20	18.0	90	70-130	
Ethylbenzene	ug/L	20	18.7	94	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

LABORATORY CONTROL SAMPLE: 4297156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	10.6	53	10-164	J(v3)
Methylene Chloride	ug/L	20	17.9	89	65-136	
Styrene	ug/L	20	19.0	95	70-130	
Tetrachloroethene	ug/L	20	18.6	93	64-134	
Toluene	ug/L	20	19.1	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.9	85	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.0	90	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	14.6	73	42-129	J(v3)
Trichloroethene	ug/L	20	18.1	91	70-130	
Trichlorofluoromethane	ug/L	20	21.6	108	65-135	
Vinyl acetate	ug/L	20	17.2	86	60-144	
Vinyl chloride	ug/L	20	16.9	85	68-131	
Xylene (Total)	ug/L	60	57.0	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 4297158

Parameter	Units	35681632007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	18.6	93	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	18.6	93	70-130	J(v3)
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	22.5	113	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	22.1	110	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	21.2	106	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	19.3	96	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	18.9	94	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.5	102	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	19.7	98	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	113	113	47-143	
2-Hexanone	ug/L	3.2 U	100	111	111	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	114	114	57-132	
Acetone	ug/L	5.3 U	100	122	122	46-148	
Acrylonitrile	ug/L	3.7 U	100	132	132	60-143	J(v1)
Benzene	ug/L	0.30 U	20	21.0	105	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.1	100	70-130	
Bromodichloromethane	ug/L	0.19 U	20	18.1	91	70-130	
Bromoform	ug/L	0.48 U	20	16.0	80	49-126	J(v3)
Bromomethane	ug/L	8.1 U	20	8.1 U	28	10-165	
Carbon disulfide	ug/L	1.8 U	20	19.1	96	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	17.5	87	63-126	J(v3)
Chlorobenzene	ug/L	0.35 U	20	21.2	106	70-130	
Chloroethane	ug/L	3.7 U	20	15.1	76	71-142	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

MATRIX SPIKE SAMPLE: 4297158

Parameter	Units	35681632007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	19.1	95	70-130	
Chloromethane	ug/L	0.43 U	20	19.0	95	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.9	99	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	17.2	86	70-130	
Dibromochloromethane	ug/L	0.45 U	20	17.6	88	62-118	
Dibromomethane	ug/L	0.68 U	20	19.6	98	70-130	
Ethylbenzene	ug/L	0.30 U	20	20.2	101	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	24	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	20.2	101	65-136	
Styrene	ug/L	0.26 U	20	19.7	98	70-130	
Tetrachloroethene	ug/L	0.38 U	20	19.7	98	64-134	
Toluene	ug/L	0.33 U	20	21.6	108	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	19.7	99	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	18.2	91	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	14.9	74	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	20.3	101	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	27.8	139	65-135	J(M1)
Vinyl acetate	ug/L	1.8 U	20	15.7	78	60-144	
Vinyl chloride	ug/L	0.39 U	20	19.5	98	68-131	
Xylene (Total)	ug/L	2.1 U	60	60.1	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 4297157

Parameter	Units	35681632006 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	J(v2)
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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	J(v1)
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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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

SAMPLE DUPLICATE: 4297157

Parameter	Units	35681632006 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	J(v2)
Bromomethane	ug/L	8.1 U	8.1 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(v2)
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 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	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	101	101		40	
4-Bromofluorobenzene (S)	%	97	97		40	
Toluene-d8 (S)	%	97	98		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

QC Batch: 783211
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

METHOD BLANK: 4294258 Matrix: Water
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	12/07/21 10:56	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	12/07/21 10:56	

LABORATORY CONTROL SAMPLE: 4294259

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	101	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4294260 4294261

Parameter	Units	35681757008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0068 U	0.44	0.44	0.58	0.58	132	133	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.44	0.44	0.56	0.57	128	130	60-140	1	40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

QC Batch: 783765
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463001

METHOD BLANK: 4297880
Matrix: Water
Associated Lab Samples: 35681463001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	12/08/21 13:40	

LABORATORY CONTROL SAMPLE: 4297881

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	309	103	90-110	

SAMPLE DUPLICATE: 4297882

Parameter	Units	35682242003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	11200	10900	3	10	

SAMPLE DUPLICATE: 4297883

Parameter	Units	35681592002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	7260	7580	4	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

QC Batch: 783952
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463002

METHOD BLANK: 4299021
Matrix: Water
Associated Lab Samples: 35681463002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	12/08/21 20:53	

LABORATORY CONTROL SAMPLE: 4299022

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

SAMPLE DUPLICATE: 4299023

Parameter	Units	35681588004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	86.0	82.0	5	10	

SAMPLE DUPLICATE: 4299024

Parameter	Units	35681332004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1020	1020	0	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

QC Batch: 784015
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463003

METHOD BLANK: 4299821
Matrix: Water
Associated Lab Samples: 35681463003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	12/09/21 03:39	

LABORATORY CONTROL SAMPLE: 4299822

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

SAMPLE DUPLICATE: 4299823

Parameter	Units	35681363002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	24600	24900	1	10	

SAMPLE DUPLICATE: 4299824

Parameter	Units	35681356004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	34.0	17.0	67	10	J(D6)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

QC Batch: 784024
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463004

METHOD BLANK: 4299862
Matrix: Water
Associated Lab Samples: 35681463004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	12/09/21 05:53	

LABORATORY CONTROL SAMPLE: 4299863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	283	94	90-110	

SAMPLE DUPLICATE: 4299864

Parameter	Units	35681394004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	126	128	2	10	

SAMPLE DUPLICATE: 4299865

Parameter	Units	35681679006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	269	283	5	10	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

QC Batch: 785906
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

METHOD BLANK: 4311241 Matrix: Water
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	12/16/21 20:01	

LABORATORY CONTROL SAMPLE: 4311242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4315387 4315388

Parameter	Units	35681860011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	25.3	50	50	76.8	70.5	103	91	90-110	9	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4315389 4315390

Parameter	Units	35684021001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	38.2	50	50	91.2	87.4	106	98	90-110	4	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35681463

QC Batch: 785780
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

METHOD BLANK: 4310257 Matrix: Water
Associated Lab Samples: 35681463001, 35681463002, 35681463003, 35681463004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	12/15/21 17:40	

LABORATORY CONTROL SAMPLE: 4310258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310260 4310259

Parameter	Units	35681390002 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	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310261 4310262

Parameter	Units	35681460001 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	1.4	1	1	2.5	2.5	105	104	90-110	0	20	

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QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35681463

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill
Pace Project No.: 35681463

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35681463001	**AD 18138 2MW 24D**	EPA 8011	783211	EPA 8011	783308
35681463002	**AD 18139 2MW 25D**	EPA 8011	783211	EPA 8011	783308
35681463003	**AD 18142 2MW 26D**	EPA 8011	783211	EPA 8011	783308
35681463004	**AD 18145 4MW 23**	EPA 8011	783211	EPA 8011	783308
35681463001	**AD 18138 2MW 24D**	EPA 3010	783014	EPA 6010	783144
35681463002	**AD 18139 2MW 25D**	EPA 3010	783014	EPA 6010	783144
35681463003	**AD 18142 2MW 26D**	EPA 3010	783014	EPA 6010	783144
35681463004	**AD 18145 4MW 23**	EPA 3010	783014	EPA 6010	783144
35681463001	**AD 18138 2MW 24D**	EPA 3010	783012	EPA 6020	783142
35681463002	**AD 18139 2MW 25D**	EPA 3010	783012	EPA 6020	783142
35681463003	**AD 18142 2MW 26D**	EPA 3010	783012	EPA 6020	783142
35681463004	**AD 18145 4MW 23**	EPA 3010	783012	EPA 6020	783142
35681463001	**AD 18138 2MW 24D**	EPA 7470	784893	EPA 7470	785035
35681463002	**AD 18139 2MW 25D**	EPA 7470	784893	EPA 7470	785035
35681463003	**AD 18142 2MW 26D**	EPA 7470	784893	EPA 7470	785035
35681463004	**AD 18145 4MW 23**	EPA 7470	784893	EPA 7470	785035
35681463001	**AD 18138 2MW 24D**	EPA 8260	783618		
35681463002	**AD 18139 2MW 25D**	EPA 8260	783618		
35681463003	**AD 18142 2MW 26D**	EPA 8260	783618		
35681463004	**AD 18145 4MW 23**	EPA 8260	783618		
35681463001	**AD 18138 2MW 24D**	SM 2540C	783765		
35681463002	**AD 18139 2MW 25D**	SM 2540C	783952		
35681463003	**AD 18142 2MW 26D**	SM 2540C	784015		
35681463004	**AD 18145 4MW 23**	SM 2540C	784024		
35681463001	**AD 18138 2MW 24D**	EPA 300.0	785906		
35681463002	**AD 18139 2MW 25D**	EPA 300.0	785906		
35681463003	**AD 18142 2MW 26D**	EPA 300.0	785906		
35681463004	**AD 18145 4MW 23**	EPA 300.0	785906		
35681463001	**AD 18138 2MW 24D**	EPA 350.1	785780		
35681463002	**AD 18139 2MW 25D**	EPA 350.1	785780		
35681463003	**AD 18142 2MW 26D**	EPA 350.1	785780		
35681463004	**AD 18145 4MW 23**	EPA 350.1	785780		

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WO# : 35681463

35681463

CHAIN-OF-CUSTODY / Analytical Request Doc

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be c

Pace Analytical

Submitting a sample via this chain-of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs

Section A Required Client Information:

Company:	Pasco County Environmental Laboratory
Address:	8864 Government Drive
	New Port Richey, FL 34654
Email:	
Phone: (727)847-8902	Fax:
Requested Due Date:	

Section B Required Project Information:

Report To:	Ms. Candia E. Mulhern
Copy To:	
Purchase Order #:	
Project Name:	Resource Recovery Landfill
Project #:	

Section C 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 #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): 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	Residual Chlorine (Y/N)
1	AD 18138 2mw 24D		G	12-2-21	836	12/2/21	839		8										3	1		2	1	1	
2	AD 18139 2mw 25D		G	12-2-21	923	12/2/21	926		8										3	1		2	1	1	
3	AD 18142 2mw 26D		G	12-2-21	1057	12/2/21	1100		8										3	1		2	1	1	
4	AD 18145 4mw 23		G	12-2-21	1324	12/2/21	1327		8										3	1		2	1	1	
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Bottle Kit	Pace	10/26/21	0845				
		12-2-21	15:04	TB	12/2/21	1504	9.4c
		12/3/21	1220		12/3/21	1220	TRR
		12/3/21	1310	Dawn Sargent pace	12-3-21	1310	4.6 4 N Y

SAMPLER NAME AND SIGNATURE	SAMPLER NAME AND SIGNATURE	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	PRINT Name of SAMPLER:				
SIGNATURE of SAMPLER:	SIGNATURE of SAMPLER: DATE Signed:				

Pace Analytical

Sample Condition Upon Receipt Form (SCUR)

WO#: 35681463
PM: CLG Due Date: 12/17/21
CLIENT: PASCOU

Project #
Project Manager:
Client:

Date and Initials of person:
Examining contents: 12/3/21
Label:
Deliver:
pH:

Thermometer Used: T202 Date: 12-3-21 Time: 1310 Initials: DS

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

Cooler #1 Temp.°C 1.4 **(Visual)** +0.2 **(Correction Factor)** 1.6 **(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	H2SO4 + HNO3 Bottle Labels Sand 4 MW24D instead of on COC 2 MW24D
All containers needing acid/base preservation have been checked.	☑Yes ☐ No ☐N/A	Preservation Information: Preservative: ____ Lot #/Trace #: ____ Date: ____ Time: ____ Initials: ____ 12/3/21
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑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): ____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

January 07, 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.: 35685669

Dear Ms. Mulhern:

Enclosed are the analytical results for sample(s) received by the laboratory on December 17, 2021. 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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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project:	Resource Recovery Landfill
Pace Project No.:	35685669

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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Resource Recovery Landfill
Pace Project No.: 35685669

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35685669001	**AD18881 4MW1**	Water	12/16/21 14:50	12/17/21 13:00

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Resource Recovery Landfill
Pace Project No.: 35685669

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35685669001	**AD18881 4MW1**	EPA 8011	SCL	2	PASI-O
		EPA 6010	KC2	15	PASI-O
		EPA 6020	PMB	2	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	48	PASI-O
		SM 2540C	ZAS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	RRB	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35685669

Sample: AD18881 4MW1 **Lab ID: 35685669001** Collected: 12/16/21 14:50 Received: 12/17/21 13:00 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 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0069 U**	ug/L	0.022	0.0069	1	12/27/21 18:44	12/28/21 13:22	96-12-8	
1,2-Dibromoethane (EDB)	**0.0081 U**	ug/L	0.011	0.0081	1	12/27/21 18:44	12/28/21 13:22	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	12/22/21 04:22	12/28/21 18:39	7440-38-2	
Barium	**33.1**	ug/L	10.0	0.84	1	12/22/21 04:22	12/28/21 18:39	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	12/22/21 04:22	12/28/21 18:39	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	12/22/21 04:22	12/28/21 18:39	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	12/22/21 04:22	12/28/21 18:39	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	12/22/21 04:22	12/28/21 18:39	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	12/22/21 04:22	12/28/21 18:39	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	12/22/21 04:22	12/28/21 18:39	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	12/22/21 04:22	12/28/21 18:39	7439-92-1	
Nickel	**5.4**	ug/L	5.0	2.1	1	12/22/21 04:22	12/28/21 18:39	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	12/22/21 04:22	12/28/21 18:39	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	12/22/21 04:22	12/28/21 18:39	7440-22-4	
Sodium	**62.1**	mg/L	2.0	0.54	1	12/22/21 04:22	12/28/21 18:39	7440-23-5	
Vanadium	**2.4 I**	ug/L	10.0	1.0	1	12/22/21 04:22	12/28/21 18:39	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	12/22/21 04:22	12/28/21 18:39	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/22/21 00:45	12/22/21 12:21	7440-36-0	
Thallium	**0.14 I**	ug/L	1.0	0.11	1	12/22/21 00:45	12/22/21 12:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	12/23/21 11:55	12/27/21 14:27	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		12/28/21 05:40	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		12/28/21 05:40	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		12/28/21 05:40	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		12/28/21 05:40	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		12/28/21 05:40	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		12/28/21 05:40	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		12/28/21 05:40	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		12/28/21 05:40	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		12/28/21 05:40	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		12/28/21 05:40	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		12/28/21 05:40	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		12/28/21 05:40	75-00-3	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35685669

Sample: AD18881 4MW1 **Lab ID: 35685669001** Collected: 12/16/21 14:50 Received: 12/17/21 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		12/28/21 05:40	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		12/28/21 05:40	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		12/28/21 05:40	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		12/28/21 05:40	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		12/28/21 05:40	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		12/28/21 05:40	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		12/28/21 05:40	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		12/28/21 05:40	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		12/28/21 05:40	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		12/28/21 05:40	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		12/28/21 05:40	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		12/28/21 05:40	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		12/28/21 05:40	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		12/28/21 05:40	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		12/28/21 05:40	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		12/28/21 05:40	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		12/28/21 05:40	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		12/28/21 05:40	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		12/28/21 05:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		12/28/21 05:40	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		12/28/21 05:40	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		12/28/21 05:40	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		12/28/21 05:40	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		12/28/21 05:40	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		12/28/21 05:40	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/28/21 05:40	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		12/28/21 05:40	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		12/28/21 05:40	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		12/28/21 05:40	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		12/28/21 05:40	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		12/28/21 05:40	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		12/28/21 05:40	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		12/28/21 05:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/28/21 05:40	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		12/28/21 05:40	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		12/28/21 05:40	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**480**	mg/L	5.0	5.0	1		12/23/21 11:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**105**	mg/L	10.0	5.0	2		12/29/21 18:53	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Landfill
Pace Project No.: 35685669

Sample: AD18881 4MW1 **Lab ID: 35685669001** Collected: 12/16/21 14:50 Received: 12/17/21 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		12/30/21 16:25	7664-41-7	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

QC Batch: 787770
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35685669001

METHOD BLANK: 4321722 Matrix: Water
Associated Lab Samples: 35685669001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	12/27/21 13:51	

LABORATORY CONTROL SAMPLE: 4321723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4321724 4321725

Parameter	Units	35682248001 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	1.9	1.9	92	92	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.: 35685669

QC Batch: 787415
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35685669001

METHOD BLANK: 4319671
Matrix: Water
Associated Lab Samples: 35685669001

Parameter	Units	Blank Result		Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	3.4	U	10.0	3.4	12/23/21 10:53	
Barium	ug/L	0.84	U	10.0	0.84	12/23/21 10:53	
Beryllium	ug/L	0.17	U	4.0	0.17	12/23/21 10:53	
Cadmium	ug/L	0.33	U	1.0	0.33	12/23/21 10:53	
Chromium	ug/L	1.7	U	5.0	1.7	12/23/21 10:53	
Cobalt	ug/L	0.96	U	10.0	0.96	12/23/21 10:53	
Copper	ug/L	2.6	U	5.0	2.6	12/23/21 10:53	
Iron	ug/L	25.0	U	40.0	25.0	12/23/21 10:53	
Lead	ug/L	4.6	U	10.0	4.6	12/23/21 10:53	
Nickel	ug/L	2.1	U	5.0	2.1	12/23/21 10:53	
Selenium	ug/L	3.9	U	15.0	3.9	12/23/21 10:53	
Silver	ug/L	1.0	U	5.0	1.0	12/23/21 10:53	
Sodium	mg/L	0.54	U	2.0	0.54	12/23/21 10:53	
Vanadium	ug/L	1.0	U	10.0	1.0	12/23/21 10:53	
Zinc	ug/L	11.0	U	20.0	11.0	12/23/21 10:53	

LABORATORY CONTROL SAMPLE: 4319672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	200	197	98	80-120	
Barium	ug/L	200	205	103	80-120	
Beryllium	ug/L	20	19.9	100	80-120	
Cadmium	ug/L	20	21.1	106	80-120	
Chromium	ug/L	200	207	103	80-120	
Cobalt	ug/L	200	205	102	80-120	
Copper	ug/L	200	197	99	80-120	
Iron	ug/L	2000	2070	103	80-120	
Lead	ug/L	200	202	101	80-120	
Nickel	ug/L	200	207	103	80-120	
Selenium	ug/L	200	206	103	80-120	
Silver	ug/L	20	20.2	101	80-120	
Sodium	mg/L	10	10.2	102	80-120	
Vanadium	ug/L	200	201	100	80-120	
Zinc	ug/L	1000	1040	104	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4319673 4319674

Parameter	Units	35685330001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	4.0 I	200	200	207	208	101	102	75-125	1	20	
Barium	ug/L	157	200	200	363	363	103	103	75-125	0	20	
Beryllium	ug/L	0.17 U	20	20	20.4	20.3	102	102	75-125	0	20	
Cadmium	ug/L	0.33 U	20	20	20.6	20.9	103	104	75-125	1	20	
Chromium	ug/L	1.7 U	200	200	208	207	104	104	75-125	0	20	
Cobalt	ug/L	0.96 U	200	200	207	206	103	103	75-125	0	20	
Copper	ug/L	2.6 U	200	200	211	211	105	105	75-125	0	20	
Iron	ug/L	25.0 U	2000	2000	2040	2060	102	103	75-125	1	20	
Lead	ug/L	4.6 U	200	200	199	199	100	100	75-125	0	20	
Nickel	ug/L	6.4	200	200	216	214	105	104	75-125	1	20	
Selenium	ug/L	3.9 U	200	200	123	125	61	63	75-125	2	20	J(M1)
Silver	ug/L	1.0 U	20	20	21.6	21.3	106	105	75-125	1	20	
Sodium	mg/L	51800 ug/L	10	10	62.3	61.7	105	99	75-125	1	20	
Vanadium	ug/L	1.0 U	200	200	208	207	103	103	75-125	0	20	
Zinc	ug/L	11.0 U	1000	1000	1020	1010	102	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

QC Batch: 787378
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35685669001

METHOD BLANK: 4319545 Matrix: Water
Associated Lab Samples: 35685669001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	12/22/21 11:44	
Thallium	ug/L	0.11 U	1.0	0.11	12/22/21 11:44	

LABORATORY CONTROL SAMPLE: 4319546

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.4	99	80-120	
Thallium	ug/L	50	49.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4319547 4319548

Parameter	Units	35685624001 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	49.1	49.5	98	98	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	48.5	48.2	97	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

QC Batch: 788340
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35685669001

METHOD BLANK: 4324656
Matrix: Water
Associated Lab Samples: 35685669001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	12/27/21 22:12	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	12/27/21 22:12	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	12/27/21 22:12	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	12/27/21 22:12	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	12/27/21 22:12	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	12/27/21 22:12	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	12/27/21 22:12	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	12/27/21 22:12	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	12/27/21 22:12	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	12/27/21 22:12	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	12/27/21 22:12	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	12/27/21 22:12	
2-Hexanone	ug/L	3.2 U	25.0	3.2	12/27/21 22:12	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	12/27/21 22:12	
Acetone	ug/L	5.3 U	25.0	5.3	12/27/21 22:12	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	12/27/21 22:12	
Benzene	ug/L	0.30 U	1.0	0.30	12/27/21 22:12	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	12/27/21 22:12	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	12/27/21 22:12	
Bromoform	ug/L	0.48 U	3.0	0.48	12/27/21 22:12	
Bromomethane	ug/L	8.1 U	10.0	8.1	12/27/21 22:12	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	12/27/21 22:12	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	12/27/21 22:12	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	12/27/21 22:12	
Chloroethane	ug/L	3.7 U	10.0	3.7	12/27/21 22:12	
Chloroform	ug/L	0.32 U	1.0	0.32	12/27/21 22:12	
Chloromethane	ug/L	0.43 U	1.0	0.43	12/27/21 22:12	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	12/27/21 22:12	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	12/27/21 22:12	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	12/27/21 22:12	
Dibromomethane	ug/L	0.68 U	2.0	0.68	12/27/21 22:12	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	12/27/21 22:12	
Iodomethane	ug/L	9.3 U	10.0	9.3	12/27/21 22:12	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	12/27/21 22:12	
Styrene	ug/L	0.26 U	1.0	0.26	12/27/21 22:12	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	12/27/21 22:12	
Toluene	ug/L	0.33 U	1.0	0.33	12/27/21 22:12	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	12/27/21 22:12	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	12/27/21 22:12	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	12/27/21 22:12	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

METHOD BLANK: 4324656 Matrix: Water
Associated Lab Samples: 35685669001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	12/27/21 22:12	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	12/27/21 22:12	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	12/27/21 22:12	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	12/27/21 22:12	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	12/27/21 22:12	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130		12/27/21 22:12	
4-Bromofluorobenzene (S)	%	96	70-130		12/27/21 22:12	
Toluene-d8 (S)	%	99	70-130		12/27/21 22:12	

LABORATORY CONTROL SAMPLE: 4324657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.7	103	70-130	
1,1,1-Trichloroethane	ug/L	20	19.1	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	92	68-125	
1,1,2-Trichloroethane	ug/L	20	20.1	100	70-130	
1,1-Dichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethene	ug/L	20	18.7	93	66-133	
1,2,3-Trichloropropane	ug/L	20	18.6	93	62-127	
1,2-Dichlorobenzene	ug/L	20	19.3	97	70-130	
1,2-Dichloroethane	ug/L	20	19.2	96	70-130	
1,2-Dichloropropane	ug/L	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2-Butanone (MEK)	ug/L	100	94.4	94	47-143	
2-Hexanone	ug/L	100	114	114	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	109	109	57-132	
Acetone	ug/L	100	91.7	92	46-148	
Acrylonitrile	ug/L	100	95.6	96	60-143	
Benzene	ug/L	20	20.5	102	70-130	
Bromochloromethane	ug/L	20	19.7	98	70-130	
Bromodichloromethane	ug/L	20	20.3	102	70-130	
Bromoform	ug/L	20	17.9	89	49-126	
Bromomethane	ug/L	20	21.0	105	10-165	
Carbon disulfide	ug/L	20	19.4	97	60-141	
Carbon tetrachloride	ug/L	20	19.9	99	63-126	
Chlorobenzene	ug/L	20	19.6	98	70-130	
Chloroethane	ug/L	20	22.6	113	71-142	
Chloroform	ug/L	20	19.4	97	70-130	
Chloromethane	ug/L	20	21.8	109	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.5	102	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
Dibromochloromethane	ug/L	20	22.2	111	62-118	
Dibromomethane	ug/L	20	20.1	100	70-130	
Ethylbenzene	ug/L	20	20.6	103	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

LABORATORY CONTROL SAMPLE: 4324657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	22.7	113	10-164	
Methylene Chloride	ug/L	20	20.3	101	65-136	
Styrene	ug/L	20	19.5	98	70-130	
Tetrachloroethene	ug/L	20	20.6	103	64-134	
Toluene	ug/L	20	20.3	101	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.7	98	68-127	
trans-1,3-Dichloropropene	ug/L	20	21.6	108	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	18.2	91	42-129	
Trichloroethene	ug/L	20	20.2	101	70-130	
Trichlorofluoromethane	ug/L	20	20.1	101	65-135	
Vinyl acetate	ug/L	20	21.2	106	60-144	
Vinyl chloride	ug/L	20	20.0	100	68-131	
Xylene (Total)	ug/L	60	63.3	105	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 4324659

Parameter	Units	35684973002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.7	104	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.1	105	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	19.7	98	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	21.7	108	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.2	91	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.9	95	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.8	104	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.7	104	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	19.1	96	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	92.5	92	47-143	
2-Hexanone	ug/L	3.2 U	100	103	103	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	99.5	100	57-132	
Acetone	ug/L	5.3 U	100	88.4	88	46-148	
Acrylonitrile	ug/L	3.7 U	100	93.5	93	60-143	
Benzene	ug/L	0.30 U	20	21.5	108	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.0	100	70-130	
Bromodichloromethane	ug/L	0.19 U	20	21.6	108	70-130	
Bromoform	ug/L	0.48 U	20	16.2	81	49-126	
Bromomethane	ug/L	8.1 U	20	8.1 U	38	10-165	
Carbon disulfide	ug/L	1.8 U	20	21.3	106	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	21.3	107	63-126	
Chlorobenzene	ug/L	0.35 U	20	20.2	101	70-130	
Chloroethane	ug/L	3.7 U	20	28.4	142	71-142	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

MATRIX SPIKE SAMPLE: 4324659

Parameter	Units	35684973002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.45 I	20	21.9	107	70-130	
Chloromethane	ug/L	0.43 U	20	24.0	120	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	20.5	102	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.8	84	70-130	
Dibromochloromethane	ug/L	0.45 U	20	20.1	100	62-118	
Dibromomethane	ug/L	0.68 U	20	19.4	97	70-130	
Ethylbenzene	ug/L	0.30 U	20	21.2	106	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	20	10-164	
Methylene Chloride	ug/L	4.4 U	20	24.5	122	65-136	
Styrene	ug/L	0.26 U	20	19.2	96	70-130	
Tetrachloroethene	ug/L	0.38 U	20	20.5	103	64-134	
Toluene	ug/L	0.33 U	20	20.7	104	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	19.6	98	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	19.3	97	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	15.1	75	42-129	
Trichloroethene	ug/L	0.36 U	20	20.8	104	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	25.2	126	65-135	
Vinyl acetate	ug/L	1.8 U	20	14.7	74	60-144	
Vinyl chloride	ug/L	0.39 U	20	23.0	115	68-131	
Xylene (Total)	ug/L	2.1 U	60	64.1	107	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4324658

Parameter	Units	35684973001 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	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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 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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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

SAMPLE DUPLICATE: 4324658

Parameter	Units	35684973001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	0.45 I	0.44 I		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 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	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	104	104		40	
4-Bromofluorobenzene (S)	%	92	92		40	
Toluene-d8 (S)	%	102	103		40	

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

QC Batch: 788348
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35685669001

METHOD BLANK: 4324708 Matrix: Water
Associated Lab Samples: 35685669001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	12/28/21 07:26	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	12/28/21 07:26	

LABORATORY CONTROL SAMPLE: 4324709

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.22	87	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.20	82	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4324710 4324711

Parameter	Units	35685041001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0069 U	0.44	0.44	0.54	0.52	122	119	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0081 U	0.44	0.44	0.49	0.48	111	109	60-140	2	40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

QC Batch: 787797
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35685669001

METHOD BLANK: 4321866
Matrix: Water
Associated Lab Samples: 35685669001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	12/23/21 11:49	

LABORATORY CONTROL SAMPLE: 4321867

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	293	98	90-110	

SAMPLE DUPLICATE: 4321868

Parameter	Units	35684769004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	100	91.0	9	10	

SAMPLE DUPLICATE: 4321869

Parameter	Units	35685782001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	91.0	80.0	13	10	J(D6)

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

QC Batch: 788791
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35685669001

METHOD BLANK: 4326720
Matrix: Water
Associated Lab Samples: 35685669001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	12/29/21 14:09	

LABORATORY CONTROL SAMPLE: 4326721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.6	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4329381 4329382

Parameter	Units	35685059006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.5 U	50	50	48.1	48.0	92	92	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Landfill
Pace Project No.: 35685669

QC Batch: 788846
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35685669001

METHOD BLANK: 4326959 Matrix: Water
Associated Lab Samples: 35685669001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	12/30/21 16:15	

LABORATORY CONTROL SAMPLE: 4326960

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: 4326962 4326961

Parameter	Units	35684877002 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	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4326963 4326964

Parameter	Units	35685553001 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	101	101	90-110	0	20	

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Resource Recovery Landfill
Pace Project No.: 35685669

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Landfill
Pace Project No.: 35685669

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35685669001	**AD18881 4MW1**	EPA 8011	788348	EPA 8011	788395
35685669001	**AD18881 4MW1**	EPA 3010	787415	EPA 6010	787454
35685669001	**AD18881 4MW1**	EPA 3010	787378	EPA 6020	787404
35685669001	**AD18881 4MW1**	EPA 7470	787770	EPA 7470	788209
35685669001	**AD18881 4MW1**	EPA 8260	788340		
35685669001	**AD18881 4MW1**	SM 2540C	787797		
35685669001	**AD18881 4MW1**	EPA 300.0	788791		
35685669001	**AD18881 4MW1**	EPA 350.1	788846		

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WO# : 35685669

35685669

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

...dy constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Page : 1 Of 1

Section A

Required Client Information:

Company:	Pasco County Environmental Laboratory
Address:	8864 Government Drive
	New Port Richey, FL 34654
Email:	
Phone:	(727)847-8902 Fax:
Requested Due Date:	

Required Project Information:

Report To:	Ms. Candia E. Mulhern
Copy To:	
Purchase Order #:	
Project Name:	Resource Recovery Landfill
Project #:	

Section C

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 #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	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	Residual Chlorine (Y/N)
1	AD18881 4MW1		G	12-16-21	14:47	12-16-21	14:50		8											3	1		2	X	X	
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Bottle Kit	[signature] Pace	10/26/21	0845	TRB/Pace	12/18/21	03:00	OK	Y	N	Y
	[signature]	12-16-21	15:37	AMC		12/16/21	1537			
	Nervana	12/17/21	1211	[signature]	12/17/21	1211	TOC	Y	N	Y
	[signature]			Dawn Sargent	12-17-21	1300				

SAMPLER NAME AND SIGNATURE: [signature]

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: Signed

SAMPLER NAME AND SIGNATURE:

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: Signed

DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 35685669**
Project Manager: PM: CLG Due Date: 01/05/22
Client: CLIENT: PASCOU

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

Thermometer Used: T-393 Date: 12/18/21 Time: 0300 Initials: [illegible]

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

Cooler #1 Temp.°C 0.4 (Visual) Ø (Correction Factor) 0.4 (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

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 Dry 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: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☑Yes ☐ No ☐N/A	
Headspace in VOA Vials? (>6mm):	☐Yes ☑ No ☐N/A	
Trip Blank Present:	☐Yes ☑ No ☐N/A	

Client Notification/ Resolution:
Person Contacted:____ Date/Time:____

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

Project Manager Review:____ Date:____

Pace Analytical

Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 35685669**

Project Manager: **PM: CLG** **Due Date: 01/05/22**

Client: **CLIENT: PASCOU**

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

Thermometer Used: T202 Date: 12-17-21 Time: 1300 Initials: DS

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

Cooler #1 Temp.°C 2.2 (Visual) +0.2 (Correction Factor) 2.4 (Actual) ☑ Samples on ice, cooling process has beg

Cooler #2 Temp.°C ____ (Visual) ____ (Correction Factor) ____ (Actual) ☐ Samples on ice, cooling process has beg

Cooler #3 Temp.°C ____ (Visual) ____ (Correction Factor) ____ (Actual) ☐ Samples on ice, cooling process has beg

Cooler #4 Temp.°C ____ (Visual) ____ (Correction Factor) ____ (Actual) ☐ Samples on ice, cooling process has beg

Cooler #5 Temp.°C ____ (Visual) ____ (Correction Factor) ____ (Actual) ☐ Samples on ice, cooling process has beg

Cooler #6 Temp.°C ____ (Visual) ____ (Correction Factor) ____ (Actual) ☐ Samples on ice, cooling process has beg

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:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes ☐ No ☐N/A	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: 11/22/2021

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 – 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):	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1435	**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: 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		<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. = 49.95 ft Water Level (N.G.V.D.) =

LABORATORY I.D. = AD17733

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)

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**	SAMPLE ID: **2MW-2**	DATE: 11/09/2021

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): 19.9	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)
= (**34.50** feet – 19.9 feet) X 0.16 gallons/foot = 2.5 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): 14.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.00	PURGING INITIATED AT: 0749	PURGING ENDED AT: 0809	TOTAL VOLUME PURGED (gallons): 6.0

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)
0755	2	2	0.33	20.55	3.61	21.27	76	8.39	Meter	Clear	None
0801	2	4	0.33	21.70	3.55	21.95	72	8.66	Failed	Clear	None
0807	2	6	0.33	21.70	3.57	22.13	72	8.68		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: 0809	SAMPLING ENDED AT 0812:
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. = 56.41 ft Water Level (N.G.V.D.) = 36.51

LABORATORY I.D. = AD17017

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)

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: 11/09/2021

PURGING DATA

WELL DIAMETER (inches): **2"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **9.5** feet to **14.5** 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)
= (**15.00** 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): 7.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.00	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1305	**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: 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		<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. = 50.01 Water Level (N.G.V.D.) =

LABORATORY I.D. = AD17079

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)

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: 11/22/2021

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 – 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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1420	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1420	**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: 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		<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. = 54.77 Water Level (N.G.V.D.) =

LABORATORY I.D. = AD17732

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)

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: 11/22/2021

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 – 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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1403	**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: 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		<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.) =

LABORATORY I.D. = AD17731

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)

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**	SAMPLE ID: **2MW-6**	DATE: 11/22/2021

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 – 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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1100	**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: 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		<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. = 56.11 ft Water Level (N.G.V.D.) =

LABORATORY I.D. = AD17729

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)

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: 12/02/2021

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 – 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 or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1210	**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: 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		<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. = 52.75 ft Water Level (N.G.V.D.) =

LABORATORY I.D. = AD18143

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)

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**	SAMPLE ID: **2MW-8**	DATE: 12/02/2021

PURGING DATA

WELL DIAMETER (inches): **2"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **7.0** 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)
= (13.0 feet – 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): 10.70	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.70	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 mS/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)

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: 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		<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. = 51.97 ft Water Level (N.G.V.D.) =

LABORATORY I.D. = AD18144

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)

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: 12/02/2021

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 – 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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1350	**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: 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		<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. = 52.29 ft Water Level (N.G.V.D.) =

LABORATORY I.D. = AD18146

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)

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: 12/02/2021

PURGING DATA

WELL DIAMETER (inches): **2"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **5.0** 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)
= (12.00 feet – 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): 6.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.00	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1410	**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: 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		<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. = 52.63 ft Water Level (N.G.V.D.) =

LABORATORY I.D. = AD18147

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)

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: 11/30/2021

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): **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)
= (**18.00** feet – 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): 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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0958	**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: 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		<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. = 52.39 ft Water Level (N.G.V.D.) =

LABORATORY I.D. = AD17938

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)

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: 11/30/2021

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): 20.37	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 – 20.37 feet) X 0.16 gallons/foot = 3.78 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: 1312	PURGING ENDED AT: 1348	TOTAL VOLUME PURGED (gallons): 12.0

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)
1324	4	4	0.33	20.38	7.04	25.1	304	2.82	METER	CLEAR	NONE
1336	4	8	0.33	20.38	7.02	24.8	309	2.98	FAILED	CLEAR	NONE
1348	4	12	0.33	20.38	7.01	25.1	310	3.02		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: 1350	SAMPLING ENDED AT: 1353

PUMP OR TUBING DEPTH IN WELL (feet): 30.30	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. = 54.71 ft Water Level (N.G.V.D.) = 34.34

LABORATORY I.D. = AD17940

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)

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: 11/10/2021

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): 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)
= (**41.00** feet – 24.00 feet) X 0.16 gallons/foot = 2.72 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: 1325	PURGING ENDED AT: 1352	TOTAL VOLUME PURGED (gallons): 9.0

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)
1334	3	3	0.33	24.00	5.71	25.70	281	7.05	METER	CLEAR	BAD
1343	3	6	0.33	24.01	5.72	25.55	281	7.22	FAILED	CLEAR	BAD
1352	3	9	0.33	24.00	5.75	25.58	282	7.36		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: 1354	SAMPLING ENDED AT: 1357
PUMP OR TUBING DEPTH IN WELL (feet): 35.00	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. = 53.42 ft Water Level (N.G.V.D.) = 29.42

LABORATORY I.D. = AD17158

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)

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**	SAMPLE ID: **2MW-18D**	DATE: 11/15/2021

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): 23.55	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 – 23.55 feet) X 0.16 gallons/foot = 4.67 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: 1012	PURGING ENDED AT: 1039	TOTAL VOLUME PURGED (gallons): 9

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)
1021	3	3	0.33	23.61	6.62	24.20	468	2.36	METER	CLEAR	BAD
1030	3	6	0.33	23.61	6.68	24.21	469	2.60	FAILED	CLEAR	BAD
1039	3	9	0.33	23.60	6.60	24.55	471	2.58		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: 1041	SAMPLING ENDED AT: 1044
PUMP OR TUBING DEPTH IN WELL (feet): 34.00	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. = 52.75 ft Water Level (N.G.V.D.) = 29.20

LABORATORY I.D. = AD17357

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)

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: 11/15/2021

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): 22.3	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)
= (**55.0** feet – 22.30 feet) X 0.16 gallons/foot = 5.23 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: 1342	PURGING ENDED AT: 1427	TOTAL VOLUME PURGED (gallons): 15

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)
1357	5	5	0.33	22.52	6.70	23.80	445	2.97	METER	CLEAR	BAD
1412	5	10	0.33	22.53	6.67	23.68	442	2.77	FAILED	CLEAR	BAD
1427	5	15	0.33	22.53	6.69	23.62	442	2.87		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: 1430	SAMPLING ENDED AT: 1433
PUMP OR TUBING DEPTH IN WELL (feet): 30.60	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. = 52.25 ft Water Level (N.G.V.D.) = 29.95

LABORATORY I.D. = AD17358

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)

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:12/02/2021

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): 20.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20.0	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0745	**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: 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. = 50.37 ft Water Level (N.G.V.D.) =

LABORATORY I.D. = AD18137

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)

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**	SAMPLE ID: **2MW-24D**	DATE: 12/02/2021

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): 19.23	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 – 19.23 feet) X 0.16 gallons/foot = 3.96 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: 0758	PURGING ENDED AT: 0834	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0810	4	4	0.33	19.23	5.95	24.2	533	2.76	METER	CLEAR	BAD
0822	4	8	0.33	19.25	6.24	24.3	534	2.79	FAILED	CLEAR	BAD
0834	4	12	0.33	19.25	6.26	24.7	534	2.83		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: 0836	SAMPLING ENDED AT: 0839

PUMP OR TUBING DEPTH IN WELL (feet): 35.20	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. = 50.55 ft Water Level (N.G.V.D.) = 31.32

LABORATORY I.D. = AD18138

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)

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: 12/02/2021

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): 16.36	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 – 16.36 feet) X 0.16 gallons/foot = 2.5 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): 26.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.00	PURGING INITIATED AT: 0854	PURGING ENDED AT: 0921	TOTAL VOLUME PURGED (gallons): 9

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)
0903	3	3	0.33	16.36	6.34	26.8	669	2.37	METER	CLEAR	BAD
0912	3	6	0.33	16.36	6.29	26.5	668	2.42	FAILED	CLEAR	BAD
0921	3	9	0.33	16.36	6.34	26.8	661	2.46		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: 0923	SAMPLING ENDED AT: 0926
PUMP OR TUBING DEPTH IN WELL (feet): 26.00	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. = 47.87 ft Water Level (N.G.V.D.) = 31.51

LABORATORY I.D. = AD18139

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)

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**	SAMPLE ID: **2MW-25S**	DATE: 12/02/2021

PURGING DATA

WELL DIAMETER (inches): **2"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **4.5** feet to 14.5 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)
= (**14.50** 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): 8.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.50	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0935	**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: 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		<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. = 47.84 ft Water Level (N.G.V.D.) =

LABORATORY I.D. = AD18140

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)

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**	SAMPLE ID: **2MW-26D**	DATE: 12/02/2021

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): 22.25	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 – 22.25 feet) X 0.16 gallons/foot = 4.76 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: 1009	PURGING ENDED AT: 1054	TOTAL VOLUME PURGED (gallons): 15

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)
1024	5	5	0.33	22.25	6.60	25.9	516	3.98	METER	CLEAR	BAD
1039	5	10	0.33	22.25	6.63	25.4	563	2.99	FAILED	CLEAR	BAD
1054	5	15	0.33	22.6	6.59	25.2	559	2.89		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: 1057	SAMPLING ENDED AT: 1100
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. = 54.13 ft Water Level (N.G.V.D.) = 31.88

LABORATORY I.D. = AD18142

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)

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**	SAMPLE ID: **2MW-26S**	DATE: 12/02/2021

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 – 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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0955	**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: 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.) =

LABORATORY I.D. = AD18141

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)

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: 11/23/2021

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 – 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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1225	**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: 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		<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. = 50.44 Water Level (N.G.V.D.) =

LABORATORY I.D. = AD17785

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)

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**	SAMPLE ID: **2MW-27D**	DATE: 11/23/2021

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): 17.03	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 – 17.03 feet) X 0.16 gallons/foot = 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) + 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: 1219	PURGING ENDED AT: 1255	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1231	4	4	0.33	17.05	7.63	22.58	707	2.48	METER	CLEAR	NONE
1243	4	8	0.33	17.05	7.33	22.40	698	2.22	FAILED	CLEAR	NONE
1255	4	12	0.33	17.05	7.45	23.31	702	2.33		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: 1257	SAMPLING ENDED AT: 1300
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.) = 33.29

LABORATORY I.D. = AD17786

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)

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: 4**MW-1**	DATE: 12/16/2021

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): 15.9	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)
= (**60.00** feet – 15.9 feet) X 0.65 gallons/foot = 28.6 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: 1203	PURGING ENDED AT: 1445	TOTAL VOLUME PURGED (gallons): 81

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)
1257	27	27	0.50	15.93	6.36	27.1	846	1.77	METER	CLEAR	NONE
1351	27	54	0.50	15.93	6.33	27.4	899	1.52	FAILED	CLEAR	NONE
1445	27	81	0.50	15.93	6.32	27.2	898	1.59		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: 1447	SAMPLING ENDED AT: 1450
PUMP OR TUBING DEPTH IN WELL (feet): 27.00	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.) = 50.34 ft WATER LEVEL (N.G.V.D.) = 34.44

LABORATORY I.D. = AD18881

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **2387**	SAMPLE ID: 4**MW-2**	DATE: 11/09/2021

PURGING DATA

WELL DIAMETER (inches): **4"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **42.0** feet to 70.0 feet	STATIC DEPTH TO WATER (feet): 19.4	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)
= (**70.00** feet – 19.4 feet) X 0.65 gallons/foot = 32.9 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): 42.20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42.20	PURGING INITIATED AT: 0820	PURGING ENDED AT: 1138	TOTAL VOLUME PURGED (gallons): 99

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)
0926	33	33	0.50	19.95	6.67	21.58	218	2.73	METER	CLEAR	NONE
1032	33	66	0.50	19.95	7.03	22.26	216	2.43	FAILED	CLEAR	NONE
1138	33	99	0.50	19.95	7.21	22.94	219	2.50		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: 1140	SAMPLING ENDED AT: 1143

PUMP OR TUBING DEPTH IN WELL (feet): 42.20	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.) = 56.11 ft WATER LEVEL (N.G.V.D.) = 36.71

LABORATORY I.D. = AD17078

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **19670**	SAMPLE ID: 4**MW-3A**	DATE: 11/09/2021

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): 22.6	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)
= (**50.00** feet – 22.6 feet) X 0.65 gallons/foot = 17.8 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: 1329	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1357	18	18	0.50	22.63	6.87	23.72	445	2.43	METER	CLEAR	NONE
1415	18	36	0.50	22.63	6.87	23.32	445	2.50	FAILED	CLEAR	NONE
1435	18	54	0.50	22.63	6.85	23.35	445	2.51		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: 1445	SAMPLING ENDED AT: 1448

PUMP OR TUBING DEPTH IN WELL (feet): 33.40	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.) = 52.92 ft WATER LEVEL (N.G.V.D.) = 30.32

LABORATORY I.D. = AD17080

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)

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: 4**MW-4**	DATE: 11/15/2021

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): 21.5	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 – 21.5 feet) X 0.65 gallons/foot = 18.33 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: 0754	PURGING ENDED AT: 0948	TOTAL VOLUME PURGED (gallons): 57

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)
0832	19	19	0.50	21.70	6.28	23.94	418	3.45	METER	CLEAR	NONE
0910	19	38	0.50	21.70	6.66	23.83	418	3.46	FAILED	CLEAR	NONE
0948	19	57	0.50	21.70	6.75	24.10	418	3.63		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: 0950	SAMPLING ENDED AT: 0953

PUMP OR TUBING DEPTH IN WELL (feet): 38.90	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.) = 50.81 ft WATER LEVEL (N.G.V.D.) = 29.31

LABORATORY I.D. = AD17356

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **2389**	SAMPLE ID: 4**MW-5**	DATE: 11/10/2021

PURGING DATA

WELL DIAMETER (inches): **4"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **68.0** feet to 100.0 feet	STATIC DEPTH TO WATER (feet): 18.9	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)
= (**100.0** feet – 18.9 feet) X 0.65 gallons/foot = 52.7 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): 63.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 63.50	PURGING INITIATED AT: 0740	PURGING ENDED AT: 1258	TOTAL VOLUME PURGED (gallons): 159

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)
0926	53	53	0.50	18.95	6.11	22.84	601	2.92	METER	CLEAR	NONE
1112	53	106	0.50	18.95	6.65	23.31	603	2.71	FAILED	CLEAR	NONE
1258	53	159	0.50	18.97	6.67	24.04	594	2.91		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: 1300	SAMPLING ENDED AT: 1303

PUMP OR TUBING DEPTH IN WELL (feet): 63.50	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.) = 49.06 ft WATER LEVEL (N.G.V.D.) = 30.16

LABORATORY I.D. = AD17157

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **2390**	SAMPLE ID: 4**MW-6**	DATE: 11/22/2021

PURGING DATA

WELL DIAMETER (inches): **4"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **73.0** feet to 100.0 feet	STATIC DEPTH TO WATER (feet): 22.37	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)
= (**100.0** feet – 22.37 feet) X 0.65 gallons/foot = 50.5 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): 77.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 77.0	PURGING INITIATED AT: 0730	PURGING ENDED AT: 1230	TOTAL VOLUME PURGED (gallons): 150

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)
0910	50	50	0.50	22.36	5.88	23.76	158	6.48	METER	CLEAR	NONE
1050	50	100	0.50	22.36	6.99	24.38	159	6.02	FAILED	CLEAR	NONE
1230	50	150	0.50	22.36	7.18	24.47	159	5.97		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: 1232	SAMPLING ENDED AT: 1235

PUMP OR TUBING DEPTH IN WELL (feet): 77.00	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.) = 55.95 ft WATER LEVEL (N.G.V.D.) = 33.58

LABORATORY I.D. = AD17730

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO:	SAMPLE ID: 4**MW-7**	DATE: 11/19/2021

PURGING DATA

WELL DIAMETER (inches): **4"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **22.0** feet to 47.0 feet	STATIC DEPTH TO WATER (feet): 20.75	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)
= (5**0.00** feet – 20.75 feet) X 0.65 gallons/foot = 19.0 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): 42.10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42.10	PURGING INITIATED AT: 1100	PURGING ENDED AT: 1254	TOTAL VOLUME PURGED (gallons): 57

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)
1138	19	19	0.50	20.75	6.87	25.58	364	3.23	METER	CLEAR	NONE
1216	19	38	0.50	20.75	6.88	25.53	370	2.72	FAILED	CLEAR	NONE
1254	19	57	0.50	20.76	6.84	26.12	370	2.61		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: 1256	SAMPLING ENDED AT: 1259

PUMP OR TUBING DEPTH IN WELL (feet): 42.10	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.) = 52.62 WATER LEVEL (N.G.V.D.) = 31.87

LABORATORY I.D. = AD17627

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **2341**	SAMPLE ID: 4**MW-8**	DATE: 11/29/2021

PURGING DATA

WELL DIAMETER (inches): **4"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **32.0** feet to 65.0 feet	STATIC DEPTH TO WATER (feet): 20.20	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)
= (**65.00** feet – 20.20 feet) X 0.65 gallons/foot = 29.12 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): 31.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31.00	PURGING INITIATED AT: 0755	PURGING ENDED AT: 1049	TOTAL VOLUME PURGED (gallons): 87

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)
0853	29	29	0.50	20.20	6.85	22.3	370	1.84	METER	CLEAR	NONE
0951	29	58	0.50	20.20	6.75	22.5	371	1.76	FAILED	CLEAR	NONE
1049	29	87	0.50	20.30	6.80	22.7	370	1.61		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: 1051	SAMPLING ENDED AT: 1054

PUMP OR TUBING DEPTH IN WELL (feet): 31.00	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.) = 51.87 ft WATER LEVEL (N.G.V.D.) = 31.67

LABORATORY I.D. = AD17900

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **2342**	SAMPLE ID: 4**MW-9**	DATE: 11/19/2021

PURGING DATA

WELL DIAMETER (inches): **4"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **30.0** feet to 60.0 feet	STATIC DEPTH TO WATER (feet): 22.10	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 – 22.10 feet) X 0.65 gallons/foot = 24.6 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): 29.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29.00	PURGING INITIATED AT: 0801	PURGING ENDED AT: 1031	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0851	25	25	0.50	22.3	6.53	23.81	459	1.86	METER	CLEAR	NONE
0941	25	50	0.50	22.3	6.65	24.21	454	1.92	FAILED	CLEAR	NONE
1031	25	75	0.50	22.3	6.69	24.49	459	2.16		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: 1033	SAMPLING ENDED AT: 1036

PUMP OR TUBING DEPTH IN WELL (feet): 29.00	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.) = 52.78 ft WATER LEVEL (N.G.V.D.) = 30.68

LABORATORY I.D. = AD17626

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **2510**	SAMPLE ID: 4**MW-11D**	DATE: 11/30/2021

PURGING DATA

WELL DIAMETER (inches): **2"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **27.0** feet to 52.0 feet	STATIC DEPTH TO WATER (feet): 32.50	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 – 32.50 feet) X 0.16 gallons/foot = 3.12 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): 46.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 46.00	PURGING INITIATED AT: 0746	PURGING ENDED AT: 0813	TOTAL VOLUME PURGED (gallons): 9

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)
0755	3	3	0.33	32.53	6.04	23.1	508	4.45	METER	CLEAR	NONE
0804	3	6	0.33	32.53	6.54	23.4	504	4.44	FAILED	CLEAR	NONE
0813	3	9	0.33	32.53	6.63	23.4	506	4.28		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)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Greg Torrey / Pasco County Environmental Lab**	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0815	SAMPLING ENDED AT: 0818

PUMP OR TUBING DEPTH IN WELL (feet): 46.00	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.) = 65.00 WATER LEVEL (N.G.V.D.) = 32.5

LABORATORY I.D. = AD17935

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **2511**	SAMPLE ID: 4**MW-12D**	DATE: 11/30/2021

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): ½"	WELL SCREEN INTERVAL DEPTH: **30.0** feet to 55.0 feet	STATIC DEPTH TO WATER (feet): 23.51	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)
= (**55.00** feet – 23.51 feet) X 0.16 gallons/foot = 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: 1005	PURGING ENDED AT: 1050	TOTAL VOLUME PURGED (gallons): 15

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)
1020	5	5	0.33	23.51	6.80	24.4	394	3.10	METER	CLEAR	NONE
1035	5	10	0.33	23.53	6.81	25.1	397	2.34	FAILED	CLEAR	NONE
1050	5	15	0.33	23.53	6.80	25.0	396	2.48		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: 1052	SAMPLING ENDED AT: 1055
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.) = 55.03 ft WATER LEVEL (N.G.V.D.) = 31.52

LABORATORY I.D. = AD17939

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **19214**	SAMPLE ID: 4**MW-13D**	DATE: 11/30/2021

PURGING DATA

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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0951	**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): 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.) = 54.04 ft WATER LEVEL (N.G.V.D.) = DRY

LABORATORY I.D. = AD17937

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **2512**	SAMPLE ID: 4**MW-14D**	DATE: 11/30/2021

PURGING DATA

WELL DIAMETER (inches): **2"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **25.0** feet to 50.0 feet	STATIC DEPTH TO WATER (feet): 20.18	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 – 20.18 feet) X 0.16 gallons/foot = 4.77 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) + 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: 0841	PURGING ENDED AT: 0926	TOTAL VOLUME PURGED (gallons): 15

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)
0856	5	5	0.33	20.18	6.73	25.6	382	2.92	METER	CLEAR	NONE
0911	5	10	0.33	20.18	6.76	25.9	380	2.90	FAILED	CLEAR	NONE
0926	5	15	0.33	20.18	6.80	25.8	381	2.87		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: 0928	SAMPLING ENDED AT: 0931

PUMP OR TUBING DEPTH IN WELL (feet): 44.00	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.) = 52.00 ft WATER LEVEL (N.G.V.D.) = 31.82

LABORATORY I.D. = AD17936

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **23065**	SAMPLE ID: 4**MW-21**	DATE: 11/29/2021

PURGING DATA

WELL DIAMETER (inches): **2"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **24.2** feet to 39.2 feet	STATIC DEPTH TO WATER (feet): 20.30	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 – 20.30 feet) X 0.16 gallons/foot = 3.15 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: 1303	PURGING ENDED AT: 1330	TOTAL VOLUME PURGED (gallons): 9

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)
1312	3	3	0.33	20.35	4.90	25.3	135	6.22	METER	CLEAR	NONE
1321	3	6	0.33	20.38	4.81	24.9	133	6.64	FAILED	CLEAR	NONE
1330	3	9	0.33	20.39	4.78	25.3	133	6.65		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: 1332	SAMPLING ENDED AT: 1335

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.) = 51.46 ft WATER LEVEL (N.G.V.D.) = 31.16

LABORATORY I.D. = AD17901

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **23066**	SAMPLE ID: 4**MW-22**	DATE: 11/29/2021

PURGING DATA

WELL DIAMETER (inches): **2"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **30.3** feet to 45.3 feet	STATIC DEPTH TO WATER (feet): 23.15	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)
= (46.00 feet – 23.15 feet) X 0.16 gallons/foot = 3.66 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: 1351	PURGING ENDED AT: 1427	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1403	4	4	0.33	23.15	6.01	24.4	503	2.66	METER	CLEAR	NONE
1415	4	8	0.33	23.15	6.56	24.3	509	2.75	FAILED	CLEAR	NONE
1427	4	12	0.33	23.15	6.63	24.1	501	2.79		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: 1430	SAMPLING ENDED AT: 1433

PUMP OR TUBING DEPTH IN WELL (feet): 30.30	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.) = 53.44 ft WATER LEVEL (N.G.V.D.) = 30.29

LABORATORY I.D. = AD17902

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **23067**	SAMPLE ID: 4**MW-23**	DATE: 12/02/2021

PURGING DATA

WELL DIAMETER (inches): **2"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **38.0** feet to 53.0 feet	STATIC DEPTH TO WATER (feet): 25.08	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)
= (**53.00** feet – 25.08 feet) X 0.16 gallons/foot = 4.47 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): 30.20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30.20	PURGING INITIATED AT: 1246	PURGING ENDED AT: 1322	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1258	4	4	0.33	25.03	6.81	24.5	543	3.23	METER	CLEAR	NONE
1310	4	8	0.33	25.03	6.75	24.3	561	2.98	FAILED	CLEAR	NONE
1322	4	12	0.33	25.03	6.68	24.5	568	2.91		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: 1324	SAMPLING ENDED AT: 1327

PUMP OR TUBING DEPTH IN WELL (feet): 30.20	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.) = 54.69 ft WATER LEVEL (N.G.V.D.) = 29.61

LABORATORY I.D. = AD18145

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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **RESOURCE RECOVERY (WEST PASCO LF)**	SITE LOCATION: **HAYS ROAD, SPRING HILL, FL**

WELL NO: **23451**	SAMPLE ID: 4**MW-27**	DATE: 11/23/2021

PURGING DATA

WELL DIAMETER (inches): **4"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **67.0** feet to 77.0 feet	STATIC DEPTH TO WATER (feet): 16.08	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)
= (**77.00** feet – 16.08 feet) X 0.65 gallons/foot = 39.5 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): 50.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 50.00	PURGING INITIATED AT: 0805	PURGING ENDED AT: 1205	TOTAL VOLUME PURGED (gallons): 120

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)
0925	40	40	0.50	16.09	8.67	20.87	394	4.66	METER	CLEAR	BAD
1045	40	80	0.50	16.09	8.47	21.70	636	3.12	FAILED	CLEAR	NONE
1205	40	120	0.50	16.09	8.31	21.39	637	2.97		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: 1207	SAMPLING ENDED AT: 1210

PUMP OR TUBING DEPTH IN WELL (feet): 50.00	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.) = 49.60 ft WATER LEVEL (N.G.V.D.) = 33.52

LABORATORY I.D. = AD17784

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)

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: 4**MW-27D**	DATE: 12/01/2021

PURGING DATA

WELL DIAMETER (inches): **4"**	TUBING DIAMETER (inches): **½"**	WELL SCREEN INTERVAL DEPTH: **146.0** feet to 156.0 feet	STATIC DEPTH TO WATER (feet): 15.95	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 – 15.95 feet) X 0.65 gallons/foot = 91.0 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: 0730	PURGING ENDED AT: 1630	TOTAL VOLUME PURGED (gallons): 273

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)
1030	91	91	0.50	15.97	6.80	23.1	277	2.89	METER	CLEAR	NONE
1330	91	182	0.50	15.97	6.93	24.5	278	3.02	FAILED	CLEAR	NONE
1630	91	273	0.50	15.96	7.05	24.8	280	2.91		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: 1632	SAMPLING ENDED AT: 1635

PUMP OR TUBING DEPTH IN WELL (feet): 78.00	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.) = 49.28 ft WATER LEVEL (N.G.V.D.) = 33.33

LABORATORY I.D. = AD18078

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)